EVALUAREA CALITĂȚII ACTIVITĂȚILOR DE CERCETARE ȘTIINȚIFICĂ
PLATFORMA CERCETĂRII

INDICATORUL 1.1a Articole publicate in reviste cotate sau indexate ISI (incluse in WEB of Science: Science Citation Index Expanded, Social Science Citation Index si Arts Humanities Citation Index)

Titlu articol	Nume, Prenume autor(i)	Revista cotata/indexata ISI	ISSN, pagina	Factor de impact al revistei (FI)	Scorul de influență	Anul publicarii
Local-prediction-based difference expansion reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	IEEE Transactions on image processing	ISSN: 1057-7149 Pag: 1779 - 1790	3.735	1.875	2014
On Local Prediction Based Reversible Watermarking	Dragoi Ioan Catalin, Coltuc Dinu	IEEE Transactions on image processing	ISSN: 1057-7149 Pag: 1244 - 1246	3.735	1.875	2015
Contrast Enhancement Influences the Detection of Gradient Based Local Invariant Features and the Matching of Their Descriptors	S. G. Stanciu, D. E. Tranca, D. Coltuc	Journal of Visual Communication and Image Representation	ISSN: 1047-3203	2.4	1.2	2015
Adaptive pairing reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	IEEE Transactions on image processing	ISSN: 1057-7149 Pag: 2420-2422	3.735	1.875	2016
Embedding complementary imaging data in laser scanning microscopy micrographs by reversible watermarking	Dragoi Ioan Catalin, Stanciu Stefan G. Hristu Radu, Coanda Henri-George, Tranca Denis E., Popescu Marius, Coltuc Dinu	Biomedical Optics Express	ISSN: 2156-7085 Pag. 1127-1137	3.344	1.082	2016
Determination of the Relevant Time Periods for Intra-Day Distribution System Minimum Loss Reconfiguration	Mazza A, Chicco G, Andrei H, Rubino M	International Trans. on Electrical Energy Systems	Vol. 25, Issue 10, pages 1992–2023, October 2015, indexat ISI Web of Science, ISSN: 2050-7038,	0.654	1.12	2015
PV Module Parameter Characterization From the Transient Charge of an External Capacitor	Spertino, F., Sumaili, J., Andrei, H., Chicco, G.	IEEE Journal of Photovoltaics	vol. 3, no. 4, Oct. 2013, ISSN 2165-3381, IJPEG 8, pp. 1325-1333,	3.165	3.95	2013

Evolutionary and variable step size affine projection algorithms for active noise control	A. Gonzales, F. Albu, M. Ferrer, M. Diego	IET Signal Processing	1751-9675, 471-476	0.714	0.88783	2013
A review on thermoelectric cooling parameters and performance	Enescu, D., Vîrjoghe, E.O.	Renewable & Sustainable Energy Reviews, ELSEVIER, volume 38.	ISSN:1364-0321 pp. 903-916	6.798	8,35	2014

INDICATORUL 1.1b Proceedings paper indexate ISI (incluse în WEB of Science: Science Citation Index Expanded, Social Sciences Citation Index and Arts și Humanities Citation Index)

Titlu articol	Nume, Prenume autor(i)	Proceeding indexat ISI	ISBN/ISSN, pagina	Anul publicării
An efficient implementation of the kernel affine projection algorithm	F. Albu, D. Coltuc, K. Nishikawa, M. Rotaru	International Symposium on Image and Signal Processing and Analysis ISPA'2013	ISSN: 1845-5921	2013
Local Map Versus Histogram Shifting For Prediction Error Expansion Reversible Watermarking	I. Tudoroiu, D. Coltuc	IEEE International Symposium on Signals, Circuits and Systems, ISSCS'13, Iasi, Romania, 11-12 July, 2013.	ISBN: 978-1-4799-3193-4	2013
Capacity Control Of Reversible Watermarking By Two-Thresholds Embedding: Further Results	I. Caciula, D. Coltuc	IEEE International Symposium on Signals, Circuits and Systems, ISSCS'13, Iasi, Romania, 2013.	ISBN: 978-1-4799-3193-4	2013
Improved control for low bit-rate reversible watermarking,	Ion Caciula, Dinu Coltuc	Acoustics, Speech and Signal Processing (ICASSP), IEEE International Conference on	ISBN: 978-1-4799-2893-4, ISSN: 1520-6149 pp.7425-7429	2014
Alternate embedding method for difference expansion reversible watermarking	T. Nedelcu, D. Coltuc	Signals, Circuits and Systems (ISSCS), 2015 International Symposium on. IEEE	ISBN: 978-1-4673-7489-7	2015
On optimized histogram bin shifting reversible watermarking for color images	Iulian Udroiu, Dinu Coltuc	International Symposium on Signals, Circuits and Systems (ISSCS 2015), Iasi, Romania	ISBN: 978-1-4673-7489-7	2015
A simple four-stages reversible watermarking scheme	Dragoi Ioan Catalin, Coltuc Dinu	International Symposium on Signals, Circuits and Systems (ISSCS 2015), Iasi, Romania	ISBN: 978-1-4673-7488-0 Pag: 1-4	2015
On Packing Laser Scanning Microscopy Images by Reversible Watermarking: a Case Study	C. Dragoi, S. Stanciu, D., Coltuc, D. Tranca, R. Hristu, G. Stanciu	European Signal Processing Conference EUSIPCO'2015, Nice, France, 2015	ISBN: 978-0-9928-6263-3	2015
Alternate multibit embedding method for reversible watermarking	T. Nedelcu, R. Iordache, D. Coltuc	European Signal Processing Conference EUSIPCO'2015, Nice, France	ISBN: 978-0-9928-6263-3	2015

Horizontal pairwise reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu, Caciula Ion	23rd European Signal Processing Conference	ISBN: 978-0-9928-6263-3 Pag: 56-60	2015
Automatic moiré pattern removal in microscopic images	Ionita, Giorgian-Marius; Coltuc, Dinu; Stanciu, Stefan G.; Tranca, Denis E.	2015 19th International Conference On System Theory, Control And Computing (ICSTCC)	ISBN: 978-1-4799-8481-7, pp. 776-779	2015
Towards overflow/underflow free PEE reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	24th European Signal Processing Conference	ISBN: 978-0-9928-6265-7 Pag: 953-957	2016
Reversible watermarking based on complementary predictors and context embedding	Dragoi Ioan Catalin, Coltuc Dinu	24th European Signal Processing Conference	ISBN: 978-0-9928-6265-7 Pag: 1178-1182	2016
Optimization of Energy Consumption of an Wastewater Treatment Plant by Using Technological Forecasts and Green Energy	C.A. Badea, H. Andrei,	IEEE-Int Conferecne on Environmnet and Electrical Engineering - EEEIC, 7-10 June, 2016, Florence, Italy, paper #054	pp. 167-171, ISBN 978-1-5090-2319-6/ IEEE Catalog number CFP 1651I-CDR©2016	2016
Predictive method to increse energy efficiency in Processes of Wastewater Treatment**,**	C.A. Badea, H. Andrei, A. Gonciaruc, E. Rus,	IEEE-Int Conf. Electronics, Computers and Artificial Intelligence – ECAI, 30 June-2 July, 2016, Ploiesti, Romania,	paper #8-POS2, ISSN 1843-2115m IEEE Catalog number CFP 1627U-ART	2016
The optimization of energy consumption of an industrial consumer	G.Oprea, H. Andrei	IEEE-Int Conf. Electronics, Computers and Artificial Intelligence – ECAI, 30 June-2 July, 2016, Ploiesti, Romania,	paper #52-POS15, ISSN 1843-2115 IEEE Catalog number CFP 1627U-ART	2016
Analysis of economic and energy efficiency for the grid-connected PV systems	Adela Husu, M.F. Stan, N. Fidel, C Cobianu, H. Andrei	IEEE-Int Conf. Electronics, Computers and Artificial Intelligence – ECAI, 30 June-2 July, 2016, Ploiesti, Romania,	paper #54-POS16, ISSN 1843-2115m IEEE Catalog number CFP 1627U-ART,	2016
Power analysis of industrial company based on data acquisiyion system, numerical algorithms and compensation results	G.Oprea, H. Andrei	IEEE-Int Symposium of Fundamentals of Electrical Engineering – ISFEE, 30 June-1 July, 2016, Bucharest, Romania	Paper #148-POS15	2016
Data acquisition system and biosignal analysis of cardio parameters by using photoplethysmography method	Vasile, H. Andrei, M. Ardeleanu, V. Vasile,	ECAI, 25-26 June, 2015, Bucharest, Romania,	vol. 7, no. 3/2015, pp. 67-71, IEEE Catalog number CFP 1527U-ART, ISSN 1843-2115,	2015
Measurement Data Analysis Of Power Quality For Industrial Loads	G. Oprea, H. Andrei,	IEEE-Advanced Topics in Electrical Engineering - ATEE, 7-9 May, 2015, Bucharest, Romania,	paper SIMOP P8, ISSN 2068-7966,	2015
DVR with Auxiliary Dc Voltage Source Provided By A High Power Diode Based Rectifier Used In Mv Connection Substations	Gh-I. Nicolaescu, H. Andrei, S. Radulescu	IEEE-Advanced Topics in Electrical Engineering - ATEE, 7-9 May, 2015, Bucharest, Romania	paper POWEL 8, ISSN 2068-7966	2015

Improving the Electrcity Distribution Services DVR with Auxiliary Dc Voltage Source Provided By A High Power Diode Based Rectifier Used In Mv Connection Substations	Gh-I. Nicolaescu, H. Andrei, S. Radulescu	IEEE-Int Conference on Environmnet and Electrical Engineering - EEEIC, 10-13 June, 2015, Roma	paper #373, pp. 1368-1372, ISBN 978-1-4799-7992-9, IEEE Catalog Number CFP 1551I-CDR	2015
Matrix Formulation of Minimum Absorbed Energy Principle and Nodal Method of Magnetic Circuits Analysis	Andrei, H., Andrei, P.C. , Mantescu G.,	Proc. of IEEE-14th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2014, 22-24, May, Brasov,	pp. 59-64, ISBN 978-1-4799-5183-8/14	2014
Modeling and Simulation of Dynamic Voltage Restorer for Voltage Sags Mitigation in Medium Voltage Networks with Secondary Distribution Configurations	Nicolaescu, Gh., Andrei, H., Radulescu, St.	Proc. of IEEE-14th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2014, 22-24, May, Brasov	pp. 52-58, ISBN 978-1-4799-5183-8/14	2014
Dynamic Voltage Restorer Response Analysis for Voltage Sags Mitigation in MV Networks with Secondary Distribution Configuration	Gh. Nicolaescu, H. Andrei, S. Rădulescu	in Proc. of the IEEE-EEEIC, Krakow, 10-12 May 2014	pp. 40-46, ISBN 978-1-4799-4661-7, IEEE Catalog Number CFP 1451I-CDR,	2014
Modelling the charging characteristics of storage batteries for PV power systems	Diaconu, E. Andrei, H., Predusca, G., Pencioiu, P., Ursu, V., Hanek, M. Andrei P.C., Constantinescu, Luminita,	Proc. of IEEE - Int. Conf. Electronics, Computers and Artificial Intelligence – ECAI, 27-29 June, 2013, Pitesti, Romania	vol. 5, no. 1/2013, ISSN 1843-2115, pp. 15-21, IEEE Catalog number CFP 1327U-ART, ISBN 978-1-4673-4937-6	2013
Modelling of wind resource to the turbine hub height	Ghita, M.R.. Andrei, H., Marin, Oana	Proc. of IEEE - Int. Conf. Electronics, Computers and Artificial Intelligence – ECAI, 27-29 June, 2013, Pitesti, Romania	vol. 5, no. 2/2013, ISSN 1843-2115, pp. 53-59, IEEE Catalog number CFP 1327U-ART, ISBN 978-1-4673-4937-6	2013
Matrix Formulations of Minimum Dissipated Power Principles and Nodal Method of Circuits Analysis	Andrei, H., Andrei P.C.	IEEE-Advanced Topics in Electrical Engineering - ATEE, 23-25 May, 2013, Bucharest, Romania	paper ELCI 1, ISBN 978-1-4673-5978-9, IEEE Catalog number CFP 1314P-CDR	2013
Advanced software system for optimization of car parking services in urban area	Diaconu, E., Andrei, H., Puchianu, D., Predusca, G.	IEEE-Advanced Topics in Electrical Engineering - ATEE, 23-25 May, 2013, Bucharest, Romania	paper SIMOP 8, ISBN 978-1-4673-5978-9, IEEE Catalog number CFP 1314P-CDR	2013

An Efficient GSC VSS-APA Beamformer with Integrated Log-energy Based VAD for Noise Reduction in Speech Reinforcement Systems	M. Rotaru, S. Ciochina, F. Albu	Proc. of IEEE ISSCS 2013	ISBN 978-1-4799-3193-4 1-4	2013
Fixed Order Implementation of Kernel RLS-DCD Adaptive Filters	K. Nishikawa, Yoshiki Ogawa, F. Albu	Proc. of APSIPA 2013	ISBN: 978-5-86889-7 1-6	2013
New proportionate affine projection sign algorithms	F. Albu, H.K.Kwan	Proc. of IEEE ISCAS 2013	ISBN: 978-1-4673-5760-9, 521-524	2013
Intermittently-updated affine projection algorithm	F. Albu**, M.** Rotaru, R. Arablouei, and K. Dogancay	Proc. of IEEE ICASSP 2013	ISSN 1520-6149, 585-589	2013
Transformed Integral Projection Method for Global Alignment of Second Order Radially Distorted Images	F. Albu, P. Corcoran	Proc. of IEEE SPA 2014	ISBN: 978-83-62065-18-9	2014
Closed-loop feedback cancellation utilizing two microphones and transform domain processing	C. R. C. Nakagawa, S. Nordholm, F. Albu, W.-Y. Yan	Proc. of IEEE ICASSP 2014	ISBN: 978-1-4799-2892-7 3673-3677	2014
Quality evaluation approaches of the first grade children's handwriting	F. Albu, D. Hagiescu, M. Puica	Proc. of ELSE 2014	ISBN: 973-690-542-1	2014
Consideration on the Performance of Kernel Adaptive Filters for the Mixture of Linear and Non-Linear Environments	K. Nishikawa, F. Albu	Proc. of IEEE APSIPA 2014	ISBN: 978-616-361-823-8	2014
Sparsity-aware pseudo affine projection algorithm for active noise control	F. Albu, A. Gully, Rodrigo C. de Lamare	Proc. of IEEE APSIPA 2014	ISBN: 978-616-361-823-8	2014
A fixed budget implementation of a new variable step size kernel proportionate NLMS algorithm	F. Albu, K. Nishikawa	Proc. of IEEE ICCAS 2014	ISBN: 978-89-93215-06-9	2014
A Fast Filtering Proportionate Affine Projection Sign Algorithm	F. Albu, H. Coanda	Proc. of IEEE SPA 2014	ISBN: 978-83-62065-18-9	2014
Neural Network Approaches for Children's Emotion Recognition in Intelligent Learning Applications	F. Albu, D. Hagiescu, M. Puica, L. Vladutu	Proc. of Edulearn 2015	ISBN: 978-84-606-8243-1 ISSN: 2340-1117	2015
Fast recursive AMIPAP algorithm	F. Albu	Proc. of ECAI 2015	ISSN: 1843-2115	2015
The Proportionate APL-I algorithm	F. Albu	Proc. of ICTRC 2015	ISBN: 978-1-4799-8965-2	2015
Intelligent tutor for first grade children's handwriting application	F. Albu, D. Hagiescu, M. Puica, L. Vladutu	Proc. of INTED 2015	ISBN: 978-84-606-5763-7	2015
New Iterative Kernel Algorithms for Nonlinear Acoustic Echo Cancellation	F. Albu, K. Nishikawa	Proc. of APSIPA 2015	ISBN: 978-988-14768-1-4	2015
Linear Prediction based Image Enhancement Method	F. Albu	Proc. of ICCE 2015	ISBN: 978-1479987498	2015

Implementation method of kernel adaptive filter as an add-on for a linear adaptive filter	K. Nishikawa, F. Albu	Proc. of Eusipco 2015	ISBN: 978-0-9928626-4-0	2015
Proportionate algorithms for two-microphone active feedback cancellation	F. Albu, C. R. C. Nakagawa, and S. Nordholm	Proc. of Eusipco 2015	ISBN: 978-0-9928626-4-0	2015
Improved Set-Membership Partial-Update Pseudo Affine Projection Algorithm	F. Albu, P. S. R. Diniz	Proc. of ICACCI 2016	ISBN: 978-1-5090-2028-7	2016
Sparse Channel Estimation Based on a Reweighted Least-Mean Mixed-Norm Adaptive Filter Algorithm	Y. Li, Y. Wang, F. Albu	Proc. of EUSIPCO 2016	ISBN: 978-0-9928-6266-4 2380 – 2384	2016
Approximated Proportionate Affine Projection Algorithms for Block Sparse Identification	F. Albu, J. Liu, S.L. Grant	Proc. of ECTI-CON 2016	ISBN: 9781467397506	2016
Low Complexity Image Registration Techniques based on Integral Projections	F. Albu	Proc. of IWSSIP 2016	ISBN: 9781467395564	2016
A Fast Filtering Block Sparse Proportionate Affine Projection Sign Algorithm	F. Albu, J. Liu, S.L. Grant	Proc. of COMM 2016	ISBN: 978-1-4673-8196-3	2016
SQL Query Optimization in Content Based Image Retrieval Systems	N. Angelescu, H. G. Coanda, I. Caciula, C. Dragoi and F. Albu	Proc. of COMM 2016	ISBN: 978-1-4673-8196-3	2016
Cycle time optimization of a reversible A/DML served by a mobile robotic system	Minca E., Filipescu A., Coanda H.G., Dragomir F., Dragomir O	The 19th International Conference on System Theory, Control and Computing (ICSTCC), October 14-16, 2015, Cheile Gradistei, Romania, IEEE, WOS:000382384100017	pp. 99 – 104 978-1-4799-8481-7/15	2015
CBIR system based on texture characterization	Nicoleta Angelescu, Dan Popescu, Marius Ionita Georgian	4th International Symposium on Electrical and Electronics Engineering (ISEEE), Galati, Romania	ISBN: 978-1-4799-2442-4	2013
Improving Texture Based Classification of Aerial Images by Fractal Features	Dan Popescu, Loretta Ichim, Nicoleta Angelescu, Marius Georgian Ionita, Cristian Mateescu	The 20th International Conference on Control Systems and Computer Science-CSCS20, Bucharest, Romania,	ISBN 978-1-4799-1779-2 pp. 578-587	2015
Comparativ Analysis of Protocol RIP,OSPF,RIGRP and IGRP for Service Video Conferencing, E-mail, FTP, HTTP	Liana Denisa Circiumarescu, Gabriel Predusca, Nicoleta Angelescu, Dan Constantin Puchianu	The 20th International Conference on Control Systems and Computer Science-CSCS20, Bucharest, Romania,	ISBN 978-1-4799-1779-2 pp. 584-593	2015
SQL query optimization in Content Based Image Retrieval systems	Nicoleta Angelescu; Henri George Coanda; Ion Caciula; Catalin Dragoi; Felix Albu	2016 International Conference on Communications (COMM), Bucharest, Romania	pp. 395-398	2016

On The Multishell Cylindrical Magnetostatic Shields: Analytical And Numerical Approach	Cazacu, D., Ionescu,V., Ioniță,S., Vîrjoghe, E.O.	8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), June 30– July 02, 2016, Ploiești.	ISBN:978-1-4799-7650-8	2016
Magnetic Sensors Thin Layer Cu/Co Deposited on Si/SiO_2. Construction, Characteristics and Applications	Cobianu, C., Stan, M.,F., Husu, A.,G., Fidel, N., Vîrjoghe, E.O.	13th International Conference on Engineering of Modern Electric Systems (EMES), 11-12 June 2015, Oradea.	ISBN:978-1-4799-7650-8	2015
Case Study Concerning to the Radiation Levels Emitted by Mobile Phones on the Human Body.	Cobianu Cosmin, MIHAIL-FLORIN STAN, Fidel Nicolae, Husu Adela-Gabriela,	Proceedings of The 8th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE - ECAI 2016, June 30– July 02, 2016, Ploiesti, Romania,	ISSN: 1843-2115; ISBN: 978-1-4673-6646-5	2016
A Variant of a Synchronous Motor With Two Stators and High-Energy Permanent Magnets Disposed on the Both Rotor Peripheries.	MIHAIL-FLORIN STAN, Cobianu Cosmin, Fidel Nicolae, Husu Adela-Gabriela	Proceedings of The 7th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE - ECAI 2015, June 25 - 27, 2015, Bucharest, Romania, ,	ISSN: 1843-2115; ISBN: 978-1-4673-6646-5 vol. 7 ,No. 3/2015.	2015
An Inedited Solution to Increase the Energy Efficiency of Photovoltaic Panels for Regions with Snow.	Adela Gabriela Husu, MIHAIL-FLORIN STAN, Cosmin Cobianu, Nicolae Fidel, Otilia Nedelcu	Proceedings of The 13th International Conference on Engineering of Modern Electric Systems, Oradea, 11-12 June 2015, Romania.	ISBN: 978-1-4799-7649-2 pp. 257-261	2015
Analysis Of Magnetic Sensors Multi-films Obtained From Cu/Co Deposited On Sital By PLD.	Cosmin Cobianu, MIHAIL-FLORIN STAN, Adela-Gabriela Husu, Nicolae Fidel	Proceedings of THE 9th INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING, University POLITEHNICA of Bucharest, Faculty of Electrical Engineering, MAY 7-9, 2015 Bucharest, Romania.	ISSN: 2068-7966; Print ISBN: 978-1-4673-5979-5	2015
The impact of the electrical machines on the environment.	NECULA, D., VASILE, N., MIHAIL-FLORIN STAN	PROCEEDINGS OF THE 8th INTERNATIONAL SYMPOSIUM ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE 2013), University POLITEHNICA of Bucharest, Faculty of Electrical Engineering, 23-25 May 2013, Bucharest, Romania	ISSN: 2068-7966; Print ISBN: 978-1-4673-5979-5	2013

INDICATORUL 1.1c Articole publicate in reviste si volume ale conferintelor BDI

Titlu articol	Nume, Prenume autor(i)	Revista /volum conferinta BDI	ISBN/ISSN, pagina	Anul publicării
Context embedding for raster-scan rhombus based reversible watermarking	Coltuc Dinu, Dragoi Ioan Catalin	Proceedings of the first ACM workshop on Information hiding and multimedia security	ISBN: 978-1-4503-2081-8 Pag: 215-220	2013
Three stages prediction-error expansion reversible watermarking	T. Nedelcu, R. Iordache, D. Coltuc	Signal Processing Conference (EUSIPCO), Proceedings of the 22nd European. IEEE	ISBN: 978-1-4799-4603-7, p. 2455-2459	2014
Textures and reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	Proceedings of the 22nd European Signal Processing Conference	ISBN: 978-0-9928-6261-9 Pag: 2450-2454	2014
Gradient based prediction for reversible watermarking by difference expansion	Dragoi Ioan Catalin, Coltuc Dinu, Caciula Ion	Proceedings of the 2nd ACM workshop on Information hiding and multimedia security	ISBN: 978-1-4503-2647-6 Pag: 35-40	2014
Coaxial Linear Motor for Electromagnetic Launchers	S.D. Grigorescu, A. Craciunescu, S.V. Paturca, L. Codreanu, H. Andrei, C. Cepisca, G. Seritan, O.M. Ghita, F. Argatu	The Scientific Bulletin of Electrical Engineering Faculty	ISSN 1843-6188, no. 1, DOI: 10.1515/SBEEF-2016-0016	2016
Power Analysis of PV System Used in Wastewater treatment Plant Based on Technological	A. Badea, H. Andrei, E. Rus	The Scientific Bulletin of Electrical Engineering Faculty	ISSN 1843-6188, no. 1, DOI: 10.1515/SBEEF-2016-0016	2016
Grid Connection Improvement of the Biogas Power Plants by Using an Additional Wireless Communication System	O. Ionescu, L. Bulareanu, B. Lazaroaia, H. Andrei	The Scientific Bulletin of Electrical Engineering Faculty	year 15, no. 3 (31), pp. 11-15, ISSN 1843-6188	2015
Innovative Learning and Learning Supported by ICT. A study Case	Zuzana Palkova, Dorina Popovici, P.C. Andrei, Andrei, H.	The Scientific Bulletin of Electrical Engineering Faculty	2014, year 14, no. 4 (28), pp. 10-14, ISSN 1843-6188	2014
Principle of Minimum Dissipated Power Applied to PV Cells	Andrei, H., Cepisca, C., Andrei, P., Vasile, I., Morcovescu, M.,	The Scientific Bulletin of Electrical Engineering Faculty	,year 14, no. 2 (26), pp. 5-10, ISSN 1843-6188	2014
Ranking the Radial Configurations for Minimum Losses Distribution System Reconfiguration. Part 1: Benchmark	Rubino, M. Mazza, A., Andrei, H., Chicco, G.,	The Scientific Bulletin of Electrical Engineering Faculty	year 14, no. 1 (25), pp. 23-28, ISSN 1843-6188,	2014
Ranking the Radial Configurations for Minimum Losses Distribution System Reconfiguration. Part 2: Intra-Day Domain Assessment	Rubino, M. Mazza, A., Andrei, H., Chicco, G.,	The Scientific Bulletin of Electrical Engineering Faculty	year 14, no. 1 (25), pp. 29-34, ISSN 1843-6188	2014

Basics of Linear DC and AC Theory: Co-Existance of Minimum Dissipated Power Principle and Maximum Power Transfer Theorem	Andrei, H., Chicco, Grigorescu, S.D., Andrei, P., Mazza, A., Radulescu, S., Vasile, I.	The Scientific Bulletin of Electrical Engineering Faculty	year 14, no. 1 (25), pp. 11-17, ISSN 1843-6188	2014
Sistem avansat de management al parcarilor urbane utilizand energii verzi - Smart and Green parking	Lambrache, C., Diaconu, E., Andrei, H., Coanda, H.	Buletinul AGIR	anul XIX, nr. 2, aprilie-iunie 2014, pp. 53-65, ISSN-L 1224-7928, ISSN online 2247-3548	2014
Software Tools for PV Applications in Different Regions of Europe – Part I: Energy Efficiency	Adela Husu, Gabriela Mantescu, Diana Enescu, Iannis Hatzilygeroudis, Zuzana Palkova, Dorina Popovici, Horia Andrei	The Scientific Bulletin of Electrical Engineering Faculty	year 13, no. 1 (21), pp. 16-24, ISSN 1843-6188	2013
Comparison Analysis of the Accuracy of Weibull Parameters estimation Methods	M. R. Ghita, H. Andrei, M. Silaghi,	The Scientific Bulletin of Electrical Engineering Faculty	year 13, no. 2 (22), pp. 15-20, ISSN 1843-6188	2013
Wind Turbines Performance Assessement for Maximum Energy Yield Realization	M. R. Ghita, H. Andrei, Oana Marin, Adela Husu	The Scientific Bulletin of Electrical Engineering Faculty	year 13, no. 2 (22), pp. 21-25, ISSN 1843-6188	2013
Establishing Classes of Electromagnetic Compatibility for some Electrical Equipments	Oana Marin, M. R. Ghita, H. Andrei, T. Ivanovici, G. Seritan, G. Predusca	The Scientific Bulletin of Electrical Engineering Faculty	year 13, no. 2 (22), pp. 26-31, ISSN 1843-6188	2013
Modeling Residential Consumers and Methods to Reduce Power Losses and Electric Energy	Oana Marin, M. R. Ghita, H. Andrei, T. Ivanovici, M. Silaghi, G. Seritan	The Scientific Bulletin of Electrical Engineering Faculty	year 13, no. 1 (21), pp. 32-39, ISSN 1843-6188	2013
Basic Equations of Linear Electric and Magnetic Circuits in Quasi-stationary State Based on Principle of Minimum Absorbed Power and Energy	H. Andrei, P.C. Andrei, G. Oprea, B. Botea	Proc. IEEE-ISFEE, Bucharest, 28-29 Nov, 2014	pp. 1-6, CFP1493Y-ART, ISBN: 978-1-4799-6820-6	2014
Aspects Concerning the Automation of the Mechanical Expansion Process for Large Welded Pipes	D. Macrea, C. Cepisca, S.D. Grigorescu, H. Andrei, M. Morcovescu	In Proceeding of: International Conference on Manufacturing Engineering, Quality and Production Systems, June 1-3, 2013, Brasov	Volume: Advances in Production, Automation and Transportation Systems pp.47-50 WSEAS Press, 01/2013; DOI:ISSN: 2227-4588	2013
New Approach of PV Cell Efficiency	Andrei, H., Nicolaescu, G., Radulescu, St., Andrei, P.C.	IEEE- International Conference on Environmental and Electrical Engineering - EEEIC, 5-8 May, 2013, Wroclaw, Poland	paper 44, ISBN 978-1-4673-3058-9, Catalog number CFP 13511-CDR	2013
New proportionate affine projection sign algorithms	F. Albu, H.K.Kwan	Proc. of ISCAS 2013	ISSN: 02714310 ISBN: 978-146735760-9 521 – 524	2013
A FPGA Implementation of Prediction Error Method for Active Feedback Cancellation using Xilinx System Generator	M. Rotaru, C. Stanciu, S. Ciochina, F. Albu, H. Coanda	Proc. of ADAPTIVE 2013	26-29	2013

An efficient implementation of the kernel affine projection algorithm	F. Albu, D. Coltuc, K. Nishikawa, M. Rotaru	Proc. of IEEE ISPA 2013	342-346	2013
The Kernel Proportionate NLMS Algorithm	F. Albu, K. Nishikawa	Proc. of EUSIPCO 2013	1-4	2013
Intermittently Updated Simplified Proportionate Affine Projection Algorithm	F. Albu, H. Coanda, D. Coltuc, & M. Rotaru	Proc. of ADAPTIVE 2014	ISBN: 978-1-61208-341-4 42-47	2014
A fixed budget implementation of a new variable step size kernel proportionate NLMS algorithm	F. Albu, K. Nishikawa	Proc. of IEEE ICCAS 2014	ISBN: 978-89-93215-06-9, ISSN: 2093-7121 890-894	2014
A Fast Filtering Proportionate Affine Projection Sign Algorithm	F. Albu, H. Coanda	Proc. of IEEE SPA 2014	ISBN: 978-8-3620-6519-6 ISSN: 2326-0319 25-30	2014
Integral Projection Method for Global Alignment of Second Order Radially Distorted Images	F. Albu, P. Corcoran	Proc. of IEEE SPA 2014	ISBN: 978-8-3620-6519-6 ISSN: 2326-0319 42-47	2014
Intelligent tutor for first grade children's handwriting application	F. Albu**,** D. Hagiescu, M. Puica, L. Vladutu	Proc. of IATED 2015	ISBN: 978-84-606-5763-7 3708 – 3717	2015
Block-Sparse Fast Recursive Approximated Memory Improved Proportionate Affine Projection Algorithm	F. Albu	Proc. of AES 140	ISBN: 9781510825703 1-4	2016
Solutions for Driving 2DW/1FW Mobile Robots using Sliding-Mode Control	Coanda H.G., Minca E., Ion Fl., Caciula I.	Journal of Electrical Engineering, Electronics, Control and Computer Science (JEEECCS), vol. 2, no. 6	pp. 1-10, ISSN 2457-7812, 2016	2016
Designing a Control System for Smart Outdoor Street Lighting using Advanced Communication Technologies	Coanda H.G.	The Scientific Bulletin of the Electrical Engineering Faculty – Year 2015, no. 1	pp. 25-30, ISSN 1843-6188	2015
Design Principles Of Medical Cyber-Physical Systems	Coanda H.G, Dobrescu R., Popescu D.	The Scientific Bulletin of the Electrical Engineering Faculty – Year 2014, no. 4	pp. 26-34, ISSN 1843-6188	2014
Access control system – solution based on new software and communications technologies	Coanda H.G., Niculescu E.R.	The Scientific Bulletin of the Electrical Engineering Faculty – Year 2013, no. 4	pp. 10 – 15, ISSN 1843-6188	2013
Simple and Performing Temperature-Compensated Voltage References	Ciugudean M.A., Bodea M.C., Coanda H.G.	University Politehnica of Timisoara Scientific Bulletin, Transaction on Electronics and Telecommunications, Tom 56(70), Fascicola 2	pp. 6-11, 2011, ISSN 1583-338	2011
Efficient fractal method for texture classification	Popescu, A. L., Popescu, D., Ionescu, R. T., Angelescu, N., Cojocaru, R	2nd International Conference on Systems and Computer Science	ISBN 978-1-4799-2020-4, pp. 44-49	2013

Hardware Architecture for image convolution filter with multiple parallel kernels,	B. Filipescu, D. Popescu, Nicoleta Angelescu, I. Tomita, R. Dobrescu,	Scientific Bulletin of Electrical Engineering Faculty, No. 2	ISSN 1843-6188, pag.15-20	2014
An analysis of co-occurrence texture features in lossy compressed grayscale images	Angelescu Nicoleta	Scientific Bulletin of Electrical Engineering Faculty, No. 3	ISSN 1843-6188, pag. 27-30	2014
Application for detection and identifications of electronic components in preprocessed images	Nicoleta Angelescu, M. Ionita, Dan Popescu, Alexandra Giuran, Dan Puchianu	Scientific Bulletin of Electrical Engineering Faculty, No. 2	ISSN 1843-6188, pp. 11-14	2014
Objective video quality assessment: Using H.264 and H.265 codecs for 4K transmissions,	Angelescu Nicoleta	Scientific Bulletin of Electrical Engineering Faculty, No.1	ISSN 1843-6188	2015
Evaluation of binarization algorithms in preprocessing of digital Mammographies	B. Tene, D.C. Puchianu, Nicoleta Angelescu	The Scientific Bulletin of Electrical Engineering Faculty	DOI: 10.1515/SBEEF-2016-0020	2016
Multi-Objective Distribution Network Reconfiguration Based on Pareto Front Ranking, Intelligent Industrial Systems	Mazza, A., Chicco, G., Russo, A., Vîrjoghe, E.O.	Springer, Volume 2, Issue 4, DOI: 10.1007/s40903-016-0065-6	ISSN: 2363-6912/ pp 287–302	2016
Calculation of losses from conventional current values in unbalanced electrical networks	Vîrjoghe, E.O, Enescu, D., Florescu, V.	Scientific Bulletin of the Electrical Engineering Faculty – Year 14 No.3 (27)	ISSN 1843-6188/ pp.14-19	2014
System design for wire less power transfer in order to integrate in buildings.	MIHAIL-FLORIN STAN, N. Fidel, I. Ilea, I. Mina	Scientific Bulletin of the Electrical Engineering Faculty, Year 15, No.3 (31) / 2015, Bibliotheca Publishing House, Târgoviște.	pp. 16-26, p-ISSN 1843-6188, e-ISSN 2286-2455;	2015
Overview of current research regarding the development of ultra powerful magnets without the use of rare earth.	Botea Bogdan, Mihail-Florin STAN	Scientific Bulletin of the Electrical Engineering Faculty, No. 1 (25) / 2014, Bibliotheca Publishing House, Târgoviște.	pp. 20-24, ISSN 1843-6188;	
Operation of power plants a determining factor in the stability of the power system frequency.	FLORIN MIRIȚĂ, Mihail-Florin STAN	Scientific Bulletin of the Electrical Engineering Faculty, No. 1 (21) / 2013, Bibliotheca Publishing House, Târgoviște.	pp. 19-24, ISSN 1843-6188	2013
Alarm monitoring system of an apartment boiler with CPLD	F.Ion, G. Predușcă, E. Diaconu, C. Rădoi	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2013), No.1	ISSN 1843-6188, pp.5-8	2013
Investigating the performance of QoS mechanism for Intserv OVER diffserv network services	L.D.Cîrciumărescu, G. Predusca	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2013), No.3	ISSN 1843-6188, pp.5-9	2013
Locating a terminal using UMTS network	G. Predusca, R. Tudose, D.C. Puchianu, E. Diaconu	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2013), No.4	ISSN 1843-6188, pp.21-27	2013
Novel semiconductor solar cell structures - simulation mechanisms in silicium surface	G. Predusca, M. Bucura, C. Fluieraru, E. Diaconu	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2014), No.3	ISSN 1843-6188, pp.15-19	2014
Computer aided analysis of the MOS capacitor in low frequency conditions	G. Predusca	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2014), No.4	ISSN 1843-6188, pp.15-19	2014

Projecting problems at $Si/Si_{1-x}Ge_x$ HBT	G. Predusca, I.A. Vasile	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2014), No.4	ISSN 1843-6188, pp.20-25	2014
Deep level transient spectroscopy method using Matlab	C. Fluieraru, G. Predusca	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2015), No.3	ISSN 1843-6188, pp.5-10	2015
Innovative Bidimensional Absolute Transducer Based On Video Detection For Positioning Into Micro Assembly Processes	Ardeleanu Mihai, Ionita Marius,Ivan Alexandru, Gurgu Valentin	Applied Mechanics And Materials	ISSN: 1662-7482, Pag 535-540	2014
Nano-Positioning Using Interferometric Methods Into A Miniaturised Device	Lungu Ion, Ardeleanu Mihai, Gurgu Valentin, Ionita Marius, Ivan Alexandru	Romanian Review Precision Mechanics, Optics And Mechatronics	ISSN: 1584-5982	2015
A Mixed Piezoelectric And Electromagnetic Actuation Device For Dry And Wet Manipulation	Ivan Alexandru, Ardeleanu Mihaita, Lungu Ion, Gurgu Valentin, Ionita Marius, Catangiu Adrian	Romanian Review Precision Mechanics, Optics And Mechatronics	ISSN: 1584-5982	2015
Measurement Positions System Based On Imaging Informational Codification Of Absolute Position	Ardeleanu Mihaita, Ionita Marius, Gurgu Valentin, Ivan Alexandru, Lungu Ion	The Scientific Bulletin Of Valahia University – Materials And Mechanics	ISSN: 1844-1076	2014
Innovative System Dedicated To Microrobots Manufacturing	Dragomir Florin, Ivan Alexandru, Gurgu Valentin, Radulescu Nicolae, Ivan Mihaela	The Scientific Bulletin Of The Electrical Engineering Faculty	ISSN: 1843-6188	2015
Microscopic Enclosures Modelling Designated For Biomedical Applications Of Cellular Manipulation Type In Liquid Environment	Ardeleanu Mihaita, Mihai Simona, Gurgu Valentin, Olteanu Liviu	The Scientific Bulletin Of Valahia University – Materials And Mechanics	ISSN: 1844-1076	2015
Modeling And Control Of A Microgripper Based On Electromagnetic Actuation	Despa Veronica, Catangiu Adrian, Ivan Alexandru, Gurgu Valentin, Ardeleanu Mihaita	The Scientific Bulletin Of Valahia University – Materials And Mechanics	ISSN: 1844-1076	2014

INDICATORUL 1.1d Proceedings la conferințe naționale/internaționale

Titlu articol	Nume, Prenume autor(i)	Proceeding conferinta	ISBN, pagina	Anul, publicarii
Advanced software system for optimization of car parking services in urban area	E. Diaconu, H. Andrei, D.Puchianu, G. Predușcă	The 8th International Symposium on Advanced Topics In Electrical Engineering	978-1-4673-5979-5, pp.1-6	2013
Modeling the charging characteristics of storage batteries for PV power systems	E. Diaconu, H. Andrei, G. Predusca, P. Pencioiu, V. Ursu, M. Hanek, P.C. Andrei, L. Constantinescu	Proceedings of the International Conference – 5th Edition Electronics, Computers and Artificial Intelligence	ISSN 1843-2115, pp.15-20	2013
Comparativ Analysis of Protocol RIP, OSPF, RIGRP and IGRP for Service Video Conferencing, E-mail, FTP, HTTP	Liana Denisa Circiumarescu, Gabriel Predusca, Nicoleta Angelescu, Dan Constantin Puchianu	The 20th International Conference on Control Systems and Computer Science	978-1-4799-1779-2, pp. 584-589	2015
Mechatronic System For Positioning Into Micro Assembly Process, Based On Video Detection And Innovative Bidimensional Absolute Transducer	Ardeleanu Mihai,Ivan Alexandru, Ionita Marius, Gurgu Valentin	The 6th International Conference On Advanced Concepts On Mechanical Engineering, Iasi	978-1-4799-1779-2, pp. 584-589	2014
A Hybrid Piezo-Magnetic Tweezer With Silicone Finger Tips Intended For Bio Samples Manipulation	Ivan Alexandru, Ardeleanu Mihaita, Gurgu Valentin, Despa Veronica, Agnus J.	Proceedings Of The 2013 International Conference On Microtechnologies In Medicine And Biology (Mmb2013)	978-1-4799-1779-2, pp. 584-589	2013
Mesure Par Self-Sensing Sur Les Actionneurs Piezoelectriques Et Commande En Boucle Fermee	Ivan Alexandru, Rakotondrabe Micky, C. Philippe, Gurgu Valentin, Habineza Didace, Toscano Rosario	Cetsis2014 : Teaching Science Of Information And Technologies	978-1-4799-1779-2, pp. 584-589	2014

INDICATORUL 1.1e Articole publicate in reviste neindexate

Titlu articol	Nume, Prenume autor(i)	Revista /volum	ISBN/ISSN, pagina	Anul, publicarii

INDICATORUL 2.1 Proiecte/Granturi de cercetare științifică câștigate în competiții naționale si internaționale

INDICATORUL 2.1a. Câștigate în competiții internaționale

Proiect/Grant		Director/Responsabil proiect		Perioada de desfasurare
Numarul si programul de finantare	**Titlul**	**Nume**	**Prenume**	
Leonardo da Vinci Transfer of innovations project 2012-1-Gr1-LEO05-10057	Enhance Attractiveness of Renewable Energy Training by Virtual Reality – AVARES	Ioannis	Hatzilygeroudis	2012-2014

INDICATORUL 2.1b Câștigate în competiții naționale

Proiect/Grant		Director/Responsabil proiect		Perioada de desfasurare
Numarul si programul de finantare	**Denumire**	**Nume**	**Prenume**	
PN-II-PT-PCCA- 2013-4-1762	Sistem inteligent de management, monitorizare si mentenanta a pavajelor si drumurilor folosind tehnici imagistice moderne (Pav3M)	Coltuc	Dinu	1.09.2014 ÷ 31.09.2017
PN-II-PT-PCCA-2011-3.2-1162	Noi metode optice şi protocoale de investigatie micro şi nano pentru eficientizarea diagnosticului timpuriu, monitorizarii, prognosticului şi terapiei în cazul cancerului de piele non-melanomic - NANOLASCAN	Coltuc	Dinu	01.09.2012 – 31.12.2016
contract PN II, IDEI	Contribuţii la dezvoltarea marcării reversibile	Coltuc	Dinu	2009 - 2011
PN-II-ID-PCE-2011-3-0097	Advanced Adaptive Algorithm for Digital Hearing Aid	Albu	Felix	01.09.2012 – 30.09.2016
PN-II-PT-PCCA- 2013-4-0201	Metode de predicţie a evoluţiei hemangioamelor infantile în vederea prevenirii complicaţiilor desfigurante prin metode intervenţionale multiple (HEMACAD)	Albu	Felix	1.09.2014 ÷ 31.09.2017
PN-III-P2-2.1-PED-2016-0651	Implementari eficiente pentru controlul activ al zgomotului in retelele distribuite adaptiv	Albu	Felix	01.02.2017-30.06.2018
PNI-II-RU-PD-2012-3-0122	Study On Multi-Non-Binary Turbo Codes And Reed Solomon Turbo Codes	Balta	Horia	01.05.2013– 30.10.2015
PN-II-PT-PCCA- 2013-4-0686	Prototipuri de sisteme robotice autonome destinate asistenței medico-sociale şi deservirii unor procese de fabricaţie din metalurgie, ceramică, sticlă si industria de automobile (ProRobSis)	Minca	Eugenia	1.09.2014 ÷ 31.09.2017
763/03.02.2014 ICPE-ACT-2014-1-1176-2	Sisteme avansate de recunoaștere a imaginilor pentru întocmirea hărților termice ale automobilelor electrice**,** sursa de finanțare: integral privat – buget cercetare-dezvoltare S.C. ICPE-ACTEL S.A., valoare 16978 RON, durata 12 luni	Angelescu	Nicoleta	2014-2015
10402/30.12.2014 S.C. AMIRAS S.R.L	Studiu privind soluțiile pentru controlul la distanţă al iluminatului public stradal. Implementare soluţie pilot	Vîrjoghe	Elena Otilia	2014-2015
Nr 7179 / 19.12.2016 și 2510/19.12.2016 BIT Invest SRL	Componente electrice compatibile cu dezvoltarea durabilă	Stan	Mihail-Florin	dec. 2016 – nov. 2017

Nr 8327 / 30.12.2015 și 2519/30.12.2015 S.C. Amiras C&L SRL	Studiu privind unificarea modalităţilor de alegere a prizelor de pământ şi a metodelor de împământare pentru consumatorii şi distribuitorii din reţelele electroenergetice de joasă şi medie tensiune	Stan	Mihail-Florin	dec. 2015 – nov. 2016
PN-II-RU-TE-2011-3-0299	Advanced devices for micro and nanoscale manipulation and caracterization (ADMAN)	Ivan	Ioan-Alexandru	2011-2014
PN-II-RU-PD-2012-3-0591	A New On-Chip Magnetically-Actuated Mobile Microrobotic Agent and Embedded Control System	Dragomir	Florin	2013-2015
PN-II-RU-PD-2012-3-0536	Microassembling Reconfigurable and Self-Actuating Micro-Opto-Electro-Mechanical Systems	Lungu	Ion	2012-2014

INDICATORUL 2.2. Contracte de prestări servicii CDI

Obiectul contractului	Beneficiar	Responsabil tehnic din partea UVT	Perioada de derulare

INDICATORUL 2.3. Proiecte depuse și nefinanțate

Programul de finantare/Nr. înregistrare	Titlu proiect	Director proiect
H2020-Smart Cities Project number: 5639321	Green energy and smart ICT technologies used for innovative and efficient management of urban car-park services	Andrei Horia
EEA research programme Joint Research Project - EEA 2013 RO-NO-2013-01923	Advanced Dual-System For Building Heating Optimization Using Renewable Energy Sources – Dual-Heating	Andrei Horia
7th Framework Programme for Research, technological Development and Demonstration/ 620806/ CIP-IEE-Promo-P	Green parking	Driss Mehdi
Parteneriate PNII-PT-PCCA 2013-4-0275	Sistem avansat de management al parcarilor urbane utilizind energii verzi - Smart Parking	Andrei Horia

INDICATORUL 3.1a Carti/capitole publicate in edituri internaționale de prestigiu

Titlu carte/ capitol	Nume, Prenume autor(i) ~~carte~~	Editura	Anul publicarii	Numar de pagini
Reversible Watermarking, in Encyclopedia of Information Science and Technology	Dinu Coltuc	Third Edition, Ed. Mehdi Khosrow-Pour, IGI Global, Hershey, Pennsylvania,	2015	8
Principles of analog signal conditioning, pp. 190-237, chapter 4 of the book Selected Topics in Applied Electrotechnics	C. Cepisca, G. Seritan, C. Banica, H. Andrei, N. Asimopoulos, S. Ganatsios	IWN, Atena, 2012, ISBN: 978-960-508-052-5	2013	575
Improvement of Statisticaland Fractal Features for Texture Classification	Dan Popescu, Radu Dobrescu, Nicoleta Angelescu	Advances in Intelligent Control Systemsand Computer Science Advances in Intelligent Systemsand Computing Volume 187, pp 31-43	2013	20
Thermal analysis of phase change processes in aquifer soils	Enescu D., Coandă H.G., Nedelcu, O, Sălișteanu, C, Vîrjoghe E.O.	Chapter 31 - Electronics and Electrical Engineering, CRC Press 2015, Taylor&Francis Group, Pages 167–175, ISBN: 978-1-138-02809-8, eBook ISBN: 978-1-315-68532-8, DOI: 10.1201/b18443-32	2015	9

INDICATORUL 3.1b Carti/capitole publicate in edituri nationale recunoscute

Titlu carte/ capitol	Nume, Prenume autor(i)	Editura	Anul publicarii	Numar de pagini
Numerical Algorithms and Applications in Electrical Engineering.	C. Fluerașu, Corina Fluerașu, Dorina Popovici, P. C. Andrei, H. Andrei	Printech, București, 2016, ISBN: 978-606-23-0661-8	2016	153
Algoritmi numerici şi aplicaţii în ingineria electrică	C. Fluerașu, Corina Fluerașu, Dorina Popovici, P. C. Andrei, H. Andrei,	Printech, București, 2015, ISBN: 978-606-23-0455-3,	2015	160
Prelucrarea imaginilor, Îndrumar de laborator,	Nicoleta Angelescu	Ed. University Press, Targoviste, ISBN 078-606-603-132-5	2015	90
Tendinţe moderne în construcţiile electrotehnice cu magneţi permanenţi, vol.1.	Nicolae VASILE, Mihail-Florin STAN	Ed. Bibliotheca, ISBN 978-973-712-966-6.	2014	650

INDICATORUL 4. Brevete inventie

Titlu brevet	Autor brevet		An obtinere brevet
	Nume	Prenume	
Fast motion estimation method US 9,160,897, October 13, 2015	F. Albu, C. Florea, A. Zamfir, A. Drimbarean, P. Corcoran		2015
Image processing method and apparatus US 8,989,516, March 24, 2015	F. Albu, A. Zamfir		2015
Détection et estimation de déplacement dans une caméra EP 2149108, Feb. 25	A. Drimbarean, A. Zamfir, C. Florea, F. Albu, D. Miss, E. Steinberg, P. Corcoran , Y. Prilutsky		2015
Bewegungserfassung und bestimmung in einer kamera, EP 2149108, Feb. 25	A. Drimbarean, A. Zamfir, C. Florea, F. Albu, D. Miss, E. Steinberg, P. Corcoran , Y. Prilutsky		2015
Image processing method and apparatus US 8,737,766 US2014086509	F. Albu, E. Steinberg, A. Drimbarean, C. Florea, A. Zamfir, P. Corcoran , V. Poenaru		2014
Tone mapping for low-light video frame enhancement US 8,698,924	A. Drimbarean, A. Zamfir, F. Albu, V. Poenaru, C. Florea, C. Bigioi, E. Steinberg, P. Corcoran,		2014
Image rotation from local motion estimates US 8,705,894	F. Albu, L. Murray, P. Stec, I. Raducan		2014
Adaptive PSF estimation technique using a sharp preview and a blurred image US 8,649,628	F. Albu, A. Drimbarean, A. Zamfir, C. Florea, P. Corcoran,		2014
Image processing method and apparatus US 8,649,627	F. Albu, E. Steinberg, , P. Corcoran, A. Drimbarean, A. Zamfir, C. Florea, V. Poenaru		2014
Fast rotation estimation of objects in sequences of acquired digital images US 8,587,665	F. Albu, L. Murray, P. Stec, I. Raducan		2013
Object detection from image profiles within sequences of acquired digital images US 8,587,666	F. Albu, L. Murray, P. Stec, I. Raducan,		2013
Autofocus method US 8,508,652	F. Albu, V. Poenaru, A. Drimbarean		2013
Registration of differently scaled images US 8,493,460	F. Albu		2013
Registration of distorted images US 8,493,459	F. Albu		2013
Image processing method and apparatus US 8,417,055	F. Albu, E. Steinberg, A. Drimbarean, C. Florea, A. Zamfir, P. Corcoran , V. Poenaru		2013
Adaptive PSF estimation technique using a sharp preview and a blurred image US 8,351,726	F. Albu, A. Drimbarean, A. Zamfir, C. Florea, P. Corcoran		2013

INDICATORUL 5.1a Citări ISI

Titlu articol	**Nume, Prenume autor(i)**	**Nr. citări**	**Articolul/Autori/Revista in care a fost citat articolul/volumul/anul**
Improved rhombus interpolation for reversible watermarking by difference expansion	Dragoi Ioan Catalin, Coltuc Dinu	11	1. Masaaki Fujiyoshi. A Separable Lossless Data Embedding Scheme In Encrypted Images Considering Hierarchical Privilege. In 2013 Proceedings Of The 21st European Signal Processing Conference (Eusipco), 2013. 21st European Signal Processing Conference (EUSIPCO), Marrakesh, MOROCCO, SEP 09-13, 2013. 2. Sudip Ghosh, Nachiketa Das, Subhajit Das, Santi P. Maity, and Hafizur Rahaman. FPGA and SoC Based VLSI Architecture of Reversible Watermarking Using Rhombus Interpolation By Difference Expansion. In 2014 Annual IEEE India Conference (INDICON), Annual IEEE India Conference. YASHADA, MDC, IEEE Pune Sect; IEEE, 2014. 11th Annual IEEE India Conference (INDICON), Pune, INDIA, DEC 11-13, 2014. 3. Asifullah Khan, Ayesha Siddiqa, Summuyya Munib, and Sana Ambreen Malik. A recent survey of reversible watermarking techniques. INFORMATION SCIENCES, 279:251–272, SEP 20 2014. 4. H. R. Lakshmi and B. Surekha. Asynchronous Implementation of Reversible Image Watermarking Using Mousetrap Pipelining. In Raju, MSVSB and Garg, D and Raju, SV and Raju, KR, editor, 2016 IEEE 6TH INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING (IACC), International Conference on Advanced Computing, pages 529–533. IEEE Comp Soc, India Council; IEEE, 2016. IEEE 6th International Advance Computing Conference (IACC), Sagi RamaKrishnam Raju Engn Coll, Bhimavaram, INDIA, FEB 27-28, 2016. 5. Hirak Kumar Maity and Santi P. Maity. FPGA implementation of reversible watermarking in digital images using reversible contrast mapping. JOURNAL OF SYSTEMS AND SOFTWARE, 96:93–104, OCT 2014. 6. Hirak Kumar Maity and Santi P. Maity. PEE based RW using fuzzy conditional entropy for image partitioning. AEUINTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 70(3):211–224, 2016. 7. Hirak Kumar Maity and Santi P. Maity. FPGA Implementation for Modified RCM-RW on Digital Images. JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, 26(3), MAR 2017. 8. Santi P. Maity and Hirak Kumar Maity. On adaptive distortion control in reversible watermarking using modified reversible contrast mapping. MULTIMEDIA TOOLS AND APPLICATIONS, 75(13):7931–7956, JUL 2016. 9. Bo Ou, Xiaolong Li, Yao Zhao, Rongrong Ni, and Yun-Qing Shi. Pairwise Prediction-Error Expansion for Efficient Reversible Data Hiding. IEEE TRANSACTIONS ON IMAGE PROCESSING, 22(12):5010–5021, DEC 2013. 10. Chaiyaporn Panyindee and Chuchart Pintavirooj. Optimal Gaussian Weight Predictor and Sorting Using Genetic Algorithm for Reversible Watermarking Based on PEE and HS. IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS, E99D(9):2306–2319, SEP 2016. 11. Ravi Uyyala, Rajarshi Pal, and Munaga V. N. K. Prasad. Gradient Dependent Reversible Watermarking with Low Embedding Impact. In 2016 3RD INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND INTEGRATED NETWORKS (SPIN), pages 184–189. IEEE UP Sect; IEEE, 2016. 3rd International Conference on Signal Processing and Integrated Networks (SPIN), Amity Univ, Amity Sch Engn & Technol, Noida, INDIA, FEB 11-12, 2016
Context embedding for raster-scan rhombus based reversible watermarking	Coltuc Dinu, Dragoi Ioan Catalin	3	1. Jiayuan Fan and Tao Chen. Reversible watermarking using enhanced local prediction. In Image Processing (ICIP), 2015 IEEE International Conference on, pages 2510–2514. IEEE, 2015. 2. Bo Ou, Xiaolong Li, Yao Zhao, Rongrong Ni, and Yun-Qing Shi. Pairwise prediction-error expansion for efficient reversible data hiding. IEEE Transactions on image processing, 22(12):5010–5021, 2013. 3. Xiaochao Qu and Hyoung Joong Kim. Pixel-based pixel value ordering predictor for high-fidelity reversible data hiding. Signal Processing, 111:249–260, 2015.

Local-prediction-based difference expansion reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	39	1. Siren Cai, Xiaolong Li, Jiaying Liu, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME EXPLOITING HIGH-DIMENSIONAL PREDICTION-ERROR HISTOGRAM. In 2016 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2732–2736. Inst Elect & Elect Engineers; Inst Elect & Elect Engineers, Signal Proc Soc, 2016. 23rd IEEE International Conference on Image Processing (ICIP), Phoenix, AZ, SEP 25-28, 2016. 2. Siren Cai, Xiaolong Li, Bowen Xue, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME BASED ON HIGH-DIMENSIONAL PIXEL-INTENSITY-HISTOGRAM MODIFICATION. In 2016 IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA & EXPO WORKSHOPS (ICMEW), IEEE International Conference on Multimedia and Expo Workshops. IEEE, 2016. IEEE International Conference on Multimedia & Expo Workshops (ICMEW), Seattle, WA, JUL 11-15, 2016. 3. Jen-Chun Chang, Yi-Zhi Lu, and Hsin-Lung Wu. A separable reversible data hiding scheme for encrypted JPEG bitstreams. SIGNAL PROCESSING, 133:135–143, APR 2017. 4. Ka-Cheng Choi and Chi-Man Pun. Robust lossless digital watermarking using integer transform with Bit plane manipulation. MULTIMEDIA TOOLS AND APPLICATIONS, 75(11):6621–6645, JUN 2016. 5. Jiayuan Fan and Tao Chen. REVERSIBLE WATERMARKING USING ENHANCED LOCAL PREDICTION. In 2015 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2510–2514. Inst Elect & Elect Engineers; IEEE Signal Proc Soc, 2015. IEEE International Conference on Image Processing (ICIP), Quebec City, CANADA, SEP 27-30, 2015. 6. Guangyong Gao and Yun-Qing Shi. Reversible Data Hiding Using Controlled Contrast Enhancement and Integer Wavelet Transform. IEEE SIGNAL PROCESSING LETTERS, 22(11):2078–2082, NOV 2015. 7. Guangyong Gao, Yun-Qing Shi, Xingming Sun, Caixue Zhou, Zongmin Cui, and Liya Xu. Reversible Watermarking with Adaptive Embedding Threshold Matrix. KSII Transactions on Internet and Information Systems, 10(9):4603–4624, SEP 30 2016. 8. Guangyong Gao, Caixue Zhou, and Zongmin Cui. Reversible Watermarking Using Prediction-Error Expansion and Extreme Learning Machine. MATHEMATICAL PROBLEMS IN ENGINEERING, 2015. 9. Xinlu Gui, Xiaolong Li, and Bin Yang. High-Dimensional Histogram Utilization for Reversible Data Hiding. In Shi, YQ and Kim, HJ and PerezGonzalez, F and Yang, CN, editor, DIGITAL-FORENSICS AND WATERMARKING, IWDW 2014, volume 9023 of Lecture Notes in Computer Science, pages 243–253. Natl Taipei Univ Business, 2015. 13th International Workshop on Digital-Forensics and Watermarking (IWDW), Natl Dong Hwa Univ, Taipei, TAIWAN, OCT 01-04, 2014. 10. Xiaocheng Hu, Weiming Zhang, Xiaolong Li, and Nenghai Yu. Minimum Rate Prediction and Optimized Histograms Modification for Reversible Data Hiding. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 10(3):653–664, MAR 2015. 11. Hee Joon Hwang, SungHwan Kim, and Hyoung Joong Kim. Reversible data hiding using least square predictor via the LASSO. EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING, DEC 7 2016. 12. Jose Juan Garcia-Hernandez, Wilfrido Gomez-Flores, and Javier Rubio-Loyola. Analysis of the impact of digital watermarking on computer-aided diagnosis in medical imaging. COMPUTERS IN BIOLOGY AND MEDICINE, 68:37–48, JAN 1 2016. 13. The Duc Kieu and Sterling Ramroach. A reversible steganographic scheme for VQ indices based on joint neighboring coding. EXPERT SYSTEMS WITH APPLICATIONS, 42(2):713–722, FEB 1 2015. 14. The Duc Kieu and Andrew Rudder. A reversible steganographic scheme for VQ indices based on joint neighboring and predictive coding. MULTIMEDIA TOOLS AND APPLICATIONS, 75(21):13705–13731, NOV 2016. 15. Vinoth C. Kumar and V Natarajan. Hybrid local prediction error-based difference expansion reversible watermarking for medical images. COMPUTERS & ELECTRICAL ENGINEERING, 53:333–345, JUL 2016. 16. Byeong Yong Lee, Hee Joon Hwang, and Hyoung Joong Kim. Reversible Data Hiding Using a Piecewise Autoregressive Predictor Based on Two-stage Embedding. JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, 11(4):974–986, JUL 2016. 17. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. Efficient Reversible Data Hiding Based on Multiple Histograms Modification. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 10(9):2016–2027, SEP 2015. 18. Ting Luo, Gangyi Jiang, Mei Yu, and Haiyong Xu. Asymmetric self-recovery oriented stereo image watermarking method for three dimensional video system. MULTIMEDIA SYSTEMS, 22(5):641–655, OCT 2016. 19. Bin Ma and Yun Q. Shi. A Reversible Data Hiding Scheme Based on Code Division Multiplexing. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 11(9):1914–1927, SEP 2016. 20. Bin Ma and Yun Qing Shi. A Reversible Image Watermarking Scheme Based on Modified Integer-to-Integer Discrete

Wavelet Transform and CDMA Algorithm. In Shi, YQ and Kim, HJ and PerezGonzalez, F and Yang, CN, editor, DIGITALFORENSICS AND WATERMARKING, IWDW 2014, volume 9023 of Lecture Notes in Computer Science, pages 420–432. Natl Taipei Univ Business, 2015. 13th International Workshop on Digital-Forensics and Watermarking (IWDW), Natl Dong Hwa Univ, Taipei, TAIWAN, OCT 01-04, 2014.

21. Hirak Kumar Maity and Santi P. Maity. PEE based RW using fuzzy conditional entropy for image partitioning. AEUINTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 70(3):211–224, 2016.
22. Santi P. Maity and Hirak Kumar Maity. On adaptive distortion control in reversible watermarking using modified reversible contrast mapping. MULTIMEDIA TOOLS AND APPLICATIONS, 75(13):7931–7956, JUL 2016.
23. Bo Ou, Xiaolong Li, and Jinwei Wang. High-fidelity reversible data hiding based on pixel-value-ordering and pairwise prediction-error expansion. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 39:12–23, AUG 2016.
24. Bo Ou, Xiaolong Li, and Jinwei Wang. Improved PVO-based reversible data hiding: A new implementation based on multiple histograms modification. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 38:328–339, JUL 2016.
25. Fei Peng, Xiaolong Li, and Bin Yang. AN ADAPTIVE PEE-BASED REVERSIBLE DATA HIDING SCHEME EXPLOITING REFERENTIAL PREDICTION-ERRORS. In 2015 IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA & EXPO (ICME), IEEE International Conference on Multimedia and Expo, 2015. IEEE International Conference on Multimedia & Expo (ICME), Turin, ITALY, JUN 29-JUL 03, 2015.
26. Yingqiang Qiu, Zhenxing Qian, and Lun Yu. Adaptive Reversible Data Hiding by Extending the Generalized Integer Transformation. IEEE SIGNAL PROCESSING LETTERS, 23(1):130–134, JAN 2016.
27. Xiaochao Qu, Suah Kim, Run Cui, Fangjun Huang, and Hyoung Joong Kim. Reversible Data Hiding Based on Combined Predictor and Prediction Error Expansion. In Shi, YQ and Kim, HJ and PerezGonzalez, F and Yang, CN, editor, DIGITALFORENSICS AND WATERMARKING, IWDW 2014, volume 9023 of Lecture Notes in Computer Science, pages 254–265. Natl Taipei Univ Business, 2015. 13th International Workshop on Digital-Forensics and Watermarking (IWDW), Natl Dong Hwa Univ, Taipei, TAIWAN, OCT 01-04, 2014.
28. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible Data Hiding: Advances in the Past Two Decades. IEEE ACCESS, 4:3210–3237, 2016.
29. Neethu Thomas and Shiney Thomas. Reversible Watermarking using Image Content Assessment and Histogram Shifting. In 2015 Fifth International Conference on Advances in Computing and Communications (ICACC), pages 443–446. RSET Rajagiri School of Engineering Technology; IEEE, 2015. Fifth International Conference on Advances in Computing and Communications (ICACC), Kochi, INDIA, SEP 03-05, 2015.
30. Ling-ling Wan, Fan Chen, Hong-jie He, and Lei Zhang. REVERSIBLE DATA HIDING SCHEME BASED ON PREDICTION ERROR SORTING AND DOUBLE PREDICTION. In 2015 ASIA-PACIFIC SIGNAL AND INFORMATION PROCESSING ASSOCIATION ANNUAL SUMMIT AND CONFERENCE (APSIPA), pages 630–634. Asia Pacific Signal Informat Proc Assoc, 2015. Asia-Pacific-Signal-and-Information-Processing-Association Annual Summit and Conference (APSIPA ASC), Hong Kong, PEOPLES R CHINA, DEC 16-19, 2015.
31. Hui Wang, Weiming Zhang, and Nenghai Yu. Protecting patient confidential information based on ECG reversible data hiding. MULTIMEDIA TOOLS AND APPLICATIONS, 75(21):13733–13747, NOV 2016.
32. Chi-Yao Weng, Sheng-Jie Wang, and Shiuh-Jeng Wang. A Lossless Data Hiding Strategy Based on Two-Dimensional SideMatch Predictions. In Khalil, I and Neuhold, E and Tjoa, AM and DaXu, L and You, I, editor, INFORMATION AND COMMUNICATION TECHNOLOGY, volume 9357 of Lecture Notes in Computer Science, pages 235–242. Int Federat Informat Proc TC 5 8; Int Federat Informat Proc WG 8 9, 2015. 3rd IFIP TC 5/8 Information and Communication Technology-EurAsia Conference (ICT-EURASIA) / 9th IFIP WG 8.9 International Working Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS), Daejeon, SOUTH KOREA, OCT 04-07, 2015.
33. Kuo-Chen Wu and Wang Chung-Ming. Steganography Using Reversible Texture Synthesis. IEEE TRANSACTIONS ON IMAGE PROCESSING, 24(1):130–139, JAN 2015.
34. Dawen Xu and Rangding Wang. Separable and error-free reversible data hiding in encrypted images. SIGNAL PROCESSING, 123:9–21, JUN 2016.
35. Yang Yang, Weiming Zhang, Xiaocheng Hu, and Nenghai Yu. Improving visual quality of reversible data hiding by twice sorting. MULTIMEDIA TOOLS AND APPLICATIONS, 75(21):13663–13678, NOV 2016.
36. Yang Yang, Weiming Zhang, Dong Liang, and Nenghai Yu. Reversible data hiding in medical images with enhanced contrast in texture area. DIGITAL SIGNAL PROCESSING, 52:13–24, MAY 2016.
37. Weiming Zhang, Hui Wang, Dongdong Hou, and Nenghai Yu. Reversible Data Hiding in Encrypted Images by Reversible

			Image Transformation. IEEE TRANSACTIONS ON MULTIMEDIA, 18(8):1469–1479, AUG 2016. 38. Zhuo Zhang and Weiming Zhang. Reversible Steganography: Data Hiding for Covert Storage. In 2015 ASIA-PACIFIC SIGNAL AND INFORMATION PROCESSING ASSOCIATION ANNUAL SUMMIT AND CONFERENCE (APSIPA), pages 753–756. Asia Pacific Signal & Informat Proc Assoc, 2015. Asia-Pacific-Signal-and-Information-Processing-Association Annual Summit and Conference (APSIPA ASC), Hong Kong, PEOPLES R CHINA, DEC 16-19, 2015. 39. Dandan Zhu and Lizhi Lv. A New Image Watermarking Algorithm Using the Contourlet Transform and the Harris Detector. In Zha, H and Chen, X and Wang, L and Miao, Q, editor, COMPUTER VISION, CCCV 2015, PT II, volume 547 of Communications in Computer and Information Science, pages 439–447. China Comp Federat; Xidian Univ, Sch Elect Engn; Xidian Univ, State Key Lab Integrated Serv Networks; China Comp Federat, Comp Vis Task Forces; NVIDIA Corp; IQIYI Inc; Minist Publ Secur, Third Res Inst; Hangzhou Hikvis Digital Technol Co Ltd; Vion Technol Inc; Huawei Technologies Co Ltd; Paratera, 2015. 1st Chinese Conference on Computer Vision (CCCV), Xidian Univ, Sch Comp Sci & Technol, Xian, PEOPLES R CHINA, SEP 18-20, 2015.
Gradient based prediction for reversible watermarking by difference expansion	Dragoi Ioan Catalin, Coltuc Dinu, Caciula Ion	5	1. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. Efficient reversible data hiding based on multiple histograms modification. IEEE Transactions on Information Forensics and Security, 10(9):2016–2027, 2015. 2. Hirak Kumar Maity and Santi P Maity. Multiple predictors based rw scheme with adaptive image partitioning. In Advances in Computing, Communications and Informatics (ICACCI), 2015 International Conference on, pages 184–189. IEEE, 2015. 3. Fei Peng, Xiaolong Li, and Bin Yang. An adaptive pee-based reversible data hiding scheme exploiting referential predictionerrors. In Multimedia and Expo (ICME), 2015 IEEE International Conference on, pages 1–6. IEEE, 2015. 4. Ravi Uyyala, Rajarshi Pal, and Munaga VNK Prasad. Gradient dependent reversible watermarking with low embedding impact. In Signal Processing and Integrated Networks (SPIN), 2016 3rd International Conference on, pages 184–189. IEEE, 2016. 5. Xiang Wang, Jing Ding, and Qingqi Pei. A novel reversible image data hiding scheme based on pixel value ordering and dynamic pixel block partition. Information sciences, 310:16–35, 2015.
On Local Prediction Based Reversible Watermarking	Dragoi Ioan Catalin, Coltuc Dinu	5	1. Long Bao and Yicong Zhou. Image encryption: Generating visually meaningful encrypted images. INFORMATION SCIENCES, 324:197–207, DEC 10 2015. 2. Siren Cai, Xiaolong Li, Jiaying Liu, and Zongming Guo. A New Reversible Data Hiding Scheme Exploiting High-Dimensional Prediction-Error Histogram. In 2016 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2732–2736. Inst Elect & Elect Engineers; Inst Elect & Elect Engineers, Signal Proc Soc, 2016. 23rd IEEE International Conference on Image Processing (ICIP), Phoenix, AZ, SEP 25-28, 2016. 3. Siren Cai, Xiaolong Li, Bowen Xue, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME BASED ON HIGH-DIMENSIONAL PIXEL-INTENSITY-HISTOGRAM MODIFICATION. In 2016 IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA & EXPO WORKSHOPS (ICMEW), IEEE International Conference on Multimedia and Expo Workshops. IEEE, 2016. IEEE International Conference on Multimedia & Expo Workshops (ICMEW), Seattle, WA, JUL 11-15, 2016. 4. Guangyong Gao, Zongmin Cui, Caixue Zhou, Shimao Yao, and Liya Xu. Reversible Authentication Scheme Based on Prediction-Error Expansion with Compound Symbolic Chaos. In PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA), pages 2169–2174. IEEE, 2016. 12th World Congress on Intelligent Control and Automation (WCICA), Guilin, PEOPLES R CHINA, JUN 12-15, 2016. 5. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible Data Hiding: Advances in the Past Two Decades. IEEE ACCESS, 4:3210–3237, 2016.
Horizontal pairwise reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu, Caciula Ion	2	1. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible Data Hiding: Advances in the Past Two Decades. IEEE ACCESS, 4:3210–3237, 2016. 2. Siren Cai, Xiaolong Li, Jiaying Liu, and Zongming Guo. A New Reversible Data Hiding Scheme Exploiting High-Dimensional Prediction-Error Histogram. In 2016 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2732–2736. Inst Elect & Elect Engineers; Inst Elect & Elect Engineers, Signal Proc Soc, 2016. 23rd IEEE International Conference on Image Processing (ICIP), Phoenix, AZ, SEP 25-28, 2016.
Adaptive pairing reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	1	1. Hee Joon Hwang, SungHwan Kim, and Hyoung Joong Kim. Reversible data hiding using least square predictor via the LASSO. EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING, DEC 7 2016.
Improved control for low bit-rate reversible	Ion Caciula, Dinu Coltuc	12	1. Masaaki Fujiyoshi and Hitoshi Kiya. Histogram-based near-lossless data hiding and its application to image compression. In Pacific Rim Conference on Multimedia, pages 225–235. Springer, 2015. 2. Xiaocheng Hu, Weiming Zhang, Xiaolong Li, and Nenghai Yu. Minimum rate prediction and optimized histograms

watermarking			modification for reversible data hiding. IEEE Transactions on Information Forensics and Security, 10(3):653–664, 2015. 3. Yan Ke, Minqing Zhang, and Jia Liu. Separable multiple bits reversible data hiding in encrypted domain. In International Workshop on Digital Watermarking, pages 470–484. Springer, 2016. 4. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. Efficient reversible data hiding based on multiple histograms modification. IEEE Transactions on Information Forensics and Security, 10(9):2016–2027, 2015. 5. Bo Ou, Xiaolong Li, and Jinwei Wang. Improved pvo-based reversible data hiding: A new implementation based on multiple histograms modification. Journal of Visual Communication and Image Representation, 38:328–339, 2016. 6. Fei Peng, Xiaolong Li, and Bin Yang. An adaptive pee-based reversible data hiding scheme exploiting referential predictionerrors. In Multimedia and Expo (ICME), 2015 IEEE International Conference on, pages 1–6. IEEE, 2015. 7. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible data hiding: advances in the past two decades. IEEE Access, 4:3210–3237, 2016. 8. Yiqi Tew, KokSheik Wong, and Raphael C-W Phan. Hevc video authentication using data embedding technique. In Image Processing (ICIP), 2015 IEEE International Conference on, pages 1265–1269. IEEE, 2015. 9. Yiqi Tew, KokSheik Wong, Raphael C-W Phan, and King Ngi Ngan. Multi-layer authentication scheme for hevc video based on embedded statistics. Journal of Visual Communication and Image Representation, 40:502–515, 2016. 10. Iulian Udroiu and Dinu Coltuc. On optimized histogram bin shifting reversible watermarking for color images. In Signals, Circuits and Systems (ISSCS), 2015 International Symposium on, pages 1–4. IEEE, 2015. 11. Zi-Xin Xu and Yuk-Hee Chan. Improving reversible color-to-grayscale conversion with halftoning. Signal Processing: Image Communication, 2016. 12. Bowen Xue, Xiaolong Li, Jinwei Wang, and Zongming Guo. Improved reversible data hiding based on two-dimensional difference-histogram modification. Multimedia Tools and Applications, pages 1–19, 2016.
Capacity control of reversible watermarking by two-thresholds embedding	Ion Caciula, Dinu Coltuc	1	1. Nyeem H, Boles W, Boyd C. Digital image watermarking: its formal model, fundamental properties and possible attacks. EURASIP Journal on Advances in Signal Processing. 2014 Dec 1;2014(1):135.
Block map implementation of difference expansion reversible watermarking	Adrian Tudoroiu, Ion Caciula, Dinu Coltuc	3	1. Asifullah Khan, Ayesha Siddiqa, Summuyya Munib, and Sana Ambreen Malik. A recent survey of reversible watermarking techniques. Information sciences, 279:251–272, 2014. 2. Hirak Kumar Maity and Santi P Maity. Pee based rw using fuzzy conditional entropy for image partitioning. AEUInternational Journal of Electronics and Communications, 70(3):211–224, 2016. 3. Adrian Tudoroiu and Dinu Coltuc. Local map versus histogram shifting for prediction error expansion reversible watermarking. In Signals, Circuits and Systems (ISSCS), 2013 International Symposium on, pages 1–4. IEEE, 2013.
Color Stereo Embedding by Reversible Watermarking	Coltuc, Dinu; Caciula, Ion; Coanda, Henri	5	1. Seung-Won Jung. Adaptive post-filtering of jpeg compressed images considering compressed domain lossless data hiding. Information Sciences, 281:355–364, 2014. 2. Seung-Won Jung. Lossless embedding of depth hints in jpeg compressed color images. Signal Processing, 122:39–51, 2016. 3. Jian Li, Xiaolong Li, and Xingming Sun. A new reversible data hiding scheme based on efficient prediction. In International Workshop on Digital Watermarking, pages 326–336. Springer, 2013. 4. Wenyi Wang and Jiying Zhao. Hiding depth information in compressed 2d image/video using reversible watermarking. Multimedia Tools and Applications, 75(8):4285–4303, 2016. 5. Wujie Zhou, Lu Yu, Zhongpeng Wang, Mingwei Wu, Ting Luo, and Lihui Sun. Binocular visual characteristics based fragile watermarking scheme for tamper detection in stereoscopic images. AEU-International Journal of Electronics and Communications, 70(1):77–84, 2016.
Stereo embedding by reversible watermarking: Further results	Dinu Coltuc, Ion Caciula	2	1. Tong X, Shen G, Xuan G, Li S, Yang Z, Li J, Shi YQ. Stereo image coding with histogram-pair based reversible data hiding. InInternational Workshop on Digital Watermarking 2014 Oct 1 (pp. 201-214). Springer International Publishing. 2. Shi YQ, Li X, Zhang X, Wu HT, Ma B. Reversible data hiding: advances in the past two decades. IEEE Access. 2016;4:3210-37.
Three stages prediction-error expansion reversible watermarking	Tudor Nedelcu, Radu Iordache, Dinu Coltu	3	1. Maity HK, Maity SP. Multiple predictors based RW scheme with adaptive image partitioning. InAdvances in Computing, Communications and Informatics (ICACCI), 2015 International Conference on 2015 Aug 10 (pp. 184-189). IEEE. 2. Maity SP, Maity HK. On adaptive distortion control in reversible watermarking using modified reversible contrast mapping. Multimedia Tools and Applications. 2016 Jul 1;75(13):7931-56. 3. Maity, Hirak Kumar, and Santi P. Maity. "PEE based RW using fuzzy conditional entropy for image partitioning." AEU-International Journal of Electronics and Communications 70.3 (2016): 211-224.

Intermittently updated simplified proportionate affine projection algorithm	Felix Albu, Henri Coanda, Dinu Coltuc, Marius Rotaru	4	1. Tsao Y, Fang SH, Shiao Y. Acoustic echo cancellation using a vector-space-based adaptive filtering algorithm. IEEE Signal Processing Letters. 2015 Mar;22(3):351-5. 2. Albu F, Coanda H. A fast filtering proportionate affine projection sign algorithm. InSignal Processing: Algorithms, Architectures, Arrangements, and Applications (SPA), 2014 2014 Sep 22 (pp. 25-30). IEEE. 3. Albu F, Nakagawa R, Nordholm S. Proportionate algorithms for two-microphone active feedback cancellation. InSignal Processing Conference (EUSIPCO), 2015 23rd European 2015 Aug 31 (pp. 290-294). IEEE. 4. Albu F. Fast recursive AMIPAP algorithm. InElectronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on 2015 Jun 25 (pp. AF-7). IEEE.
Matching DSIFT descriptors extracted from CSLM images	Stefan G Stanciu, Dinu Coltuc, Denis E Tranca, George A Stanciu	1	1. Stanciu SG, Tranca DE, Stanciu GA, Hristu R, Bueno JM. Perspectives on combining Nonlinear Laser Scanning Microscopy and Bag-of-Features data classification strategies for automated disease diagnostics. Optical and Quantum Electronics. 2016 Jun 1;48(6):1-3.
An efficient implementation of the kernel affine projection algorithm	Felix Albu, Dinu Coltuc, Marius Rotaru, Kiyoshi Nishikawa	5	1. Albu F, Nishikawa K. The kernel proportionate NLMS algorithm. InSignal Processing Conference (EUSIPCO), 2013 Proceedings of the 21st European 2013 Sep 9 (pp. 1-5). IEEE. 2. Albu F. The proportionate APL-I algorithm. InInformation and Communication Technology Research (ICTRC), 2015 International Conference on 2015 May 17 (pp. 186-189). IEEE. 3. Albu F, Nishikawa K. Nonlinear Adaptive Filtering with a Family of Kernel Affine Projection Algorithms. InHandbook of Research on Advanced Intelligent Control Engineering and Automation 2015 (pp. 61-83). IGI Global. 4. Albu F, Nishikawa K. A fixed budget implementation of a new variable step size kernel proportionate NLMS algorithm. InControl, Automation and Systems (ICCAS), 2014 14th International Conference on 2014 Oct 22 (pp. 890-894). IEEE. 5. Albu F, Nishikawa K. New iterative kernel algorithms for nonlinear acoustic echo cancellation. InSignal and Information Processing Association Annual Summit and Conference (APSIPA), 2015 Asia-Pacific 2015 Dec 16 (pp. 734-739). IEEE.
The Variable Step Size Regularized Block Exact Affine Projection Algorithm	Felix Albu, Dinu Coltuc, Danilo Comminiello, Michele Scarpiniti	2	1. Rotaru M, Ciochina S, Albu F. An efficient GSC VSS-APA beamformer with integrated log-energy based VAD for noise reduction in speech reinforcement systems. InSignals, Circuits and Systems (ISSCS), 2013 International Symposium on 2013 Jul 11 (pp. 1-4). IEEE. 2. Rotaru M, Ciochina S, Albu F. An efficient GSC VSS-APA beamformer with integrated log-energy based VAD for noise reduction in speech reinforcement systems. InSignals, Circuits and Systems (ISSCS), 2013 International Symposium on 2013 Jul 11 (pp. 1-4). IEEE.
Multibit versus multilevel embedding in high capacity difference expansion reversible watermarking	Tudoroiu Adrian, Coltuc Dinu	5	1. han A, Siddiqa A, Munib S, Malik SA. A recent survey of reversible watermarking techniques. Information sciences. 2014 Sep 20;279:251-72. 2. Maity HK, Maity SP. FPGA implementation of reversible watermarking in digital images using reversible contrast mapping. Journal of Systems and Software. 2014 Oct 31;96:93-104. 3. Fujiyoshi M. A separable lossless data embedding scheme in encrypted images considering hierarchical privilege. InSignal Processing Conference (EUSIPCO), 2013 Proceedings of the 21st European 2013 Sep 9 (pp. 1-5). IEEE. 4. Luyen CT, Van At P. A fast and efficient reversible watermarking method using generalized integer transform. InComputing & Communication Technologies, Research, Innovation, and Vision for the Future (RIVF), 2016 IEEE RIVF International Conference on 2016 Nov 7 (pp. 108-113). IEEE. 5. Maity HK, Maity SP. PEE based RW using fuzzy conditional entropy for image partitioning. AEU-International Journal of Electronics and Communications. 2016 Mar 31;70(3):211-24.
Modified versions of Tian's Difference Expansion reversible watermarking	Dinu Coltuc	1	1. Ito T, Sugimura R, Kang H, Iwamura K, Kaneda K, Echizen I. A New Approach to Reversible Watermarking. InIntelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), 2014 Tenth International Conference on 2014 Aug 27 (pp. 455-458). IEEE.
Improved capacity reversible watermarking	Dinu Coltuc	7	1. Ito, Toshiki, et al. "A New Approach to Reversible Watermarking." Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), 2014 Tenth International Conference on. IEEE, 2014. 2. Tew, Yiqi, and KokSheik Wong. "An Overview of Information Hiding in H. 264/AVC Compressed Video." IEEE Trans. Circuits Syst. Video Techn. 24.2 (2014): 305-319. 3. Mesra, Hendra, Handayani Tjandrasa, and Chastine Fatichah. "A new approach for lossless image compression using

			Reversible Contrast Mapping (RCM)." Information, Communication Technology and System (ICTS), 2014 International Conference on. IEEE, 2014. 4. Bin YA, Xingming SU, Xianyi CH, Zhang J, Xu LI. An Efficient Forensic Method for Copy--move Forgery Detection Based on DWT-FWHT. Radioengineering. 2013 Dec 1;22(4). 5. Pei Q, Wang X, Li Y, Li H. Adaptive reversible watermarking with improved embedding capacity. Journal of Systems and Software. 2013 Nov 30;86(11):2841-8. 6. Tong X, Shen G, Xuan G, Li S, Yang Z, Li J, Shi YQ. Stereo image coding with histogram-pair based reversible data hiding. InInternational Workshop on Digital Watermarking 2014 Oct 1 (pp. 201-214). Springer International Publishing. 7. Maity HK, Maity SP. PEE based RW using fuzzy conditional entropy for image partitioning. AEU-International Journal of Electronics and Communications. 2016 Mar 31;70(3):211-24.
Very fast watermarking by reversible contrast mapping	Dinu Coltuc, Jean-Marc Chassery	59	1. Siren Cai, Xiaolong Li, Jiaying Liu, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME EXPLOITING HIGH-DIMENSIONAL PREDICTION-ERROR HISTOGRAM. In 2016 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2732–2736. Inst Elect & Elect Engineers; Inst Elect & Elect Engineers, Signal Proc Soc, 2016. 23rd IEEE International Conference on Image Processing (ICIP), Phoenix, AZ, SEP 25-28, 2016. 2. Siren Cai, Xiaolong Li, Bowen Xue, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME BASED ON HIGH-DIMENSIONAL PIXEL-INTENSITY-HISTOGRAM MODIFICATION. In 2016 IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA & EXPO WORKSHOPS (ICMEW), IEEE International Conference on Multimedia and Expo Workshops. IEEE, 2016. IEEE International Conference on Multimedia & Expo Workshops (ICMEW), Seattle, WA, JUL 11-15, 2016. 3. Nidhi H. Divecha and N. N. Jani. Reversible Watermarking Technique for Medical Images Using Fixed Point Pixel. In Tomar, G, editor, 2015 FIFTH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS AND NETWORK TECHNOLOGIES (CSNT2015), International Conference on Communication Systems and Network Technologies, pages 725–730. MIR Labs; Shriram Coll Engn & Management; IETE Gwalior Sub Ctr; IETE Telecommun Engineers; IEEE; Si; IEEE MP Sub Sect; SMC Soc; IEEE Comp Soc, 2015. 2015 Fifth International Conference on Communication Systems and Network Technologies (CSNT), MIR Labs & SRCEM Gwalior, Gwalior, INDIA, APR 04-06, 2015. 4. Peng Fei, Chen Li, and Long Min. A reversible watermark scheme for 2D vector map based on reversible contrast mapping. SECURITY AND COMMUNICATION NETWORKS, 6(9):1117–1125, SEP 2013. 5. Sudip Ghosh, Nachiketa Das, Subhajit Das, Santi P. Maity, and Hafizur Rahaman. Digital Design and Pipelined Architecture for Reversible Watermarking Based on Difference Expansion using FPGA. In 2014 INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY (ICIT), pages 123–128. IEEE; IEEE COMP SOC; SILLICON; OITS, 2014. International Conference on Information Technology (ICIT), Silicon I Tech, Bhubaneswar, INDIA, DEC 22-24, 2014. 6. Sudip Ghosh, Nachiketa Das, Subhajit Das, Santi P. Maity, and Hafizur Rahaman. FPGA and SoC Based VLSI Architecture of Reversible Watermarking Using Rhombus Interpolation By Difference Expansion. In 2014 Annual IEEE India Conference (INDICON), Annual IEEE India Conference. YASHADA, MDC, IEEE Pune Sect; IEEE, 2014. 11th Annual IEEE India Conference (INDICON), Pune, INDIA, DEC 11-13, 2014. 7. Sudip Ghosh, Nachiketa Das, Subhajit Das, Santi Prasad Maity, and Hafizur Rahaman. An Adaptive Feedback Based Reversible Watermarking Algorithm using Difference Expansion. In Jana, D and Bhattacharjee, D and Basu, S and Roy, S and Naskar, SK and Das, N, editor, 2015 IEEE 2ND INTERNATIONAL CONFERENCE ON RECENT TRENDS IN INFORMATION SYSTEMS (RETIS), pages 207–212, 2015. IEEE 2nd International Conference on Recent Trends in Information Systems (ReTIS), Jadavpur Univ, Kolkata, INDIA, JUL 09-11, 2015. 8. Xinlu Gui, Xiaolong Li, and Bin Yang. A high capacity reversible data hiding scheme based on generalized prediction-error expansion and adaptive embedding. SIGNAL PROCESSING, 98:370–380, MAY 2014. 9. Dongdong Hou, Weiming Zhang, and Nenghai Yu. Image camouflage by reversible image transformation. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 40(A):225–236, OCT 2016. 10. Ying-Hsuan Huang, Chin-Chen Chang, and Chun-Yu Wu. A DNA-based data hiding technique with low modification rates.

MULTIMEDIA TOOLS AND APPLICATIONS, 70(3):1439–1451, JUN 2014.
11. Rishabh Iyer, Rushikesh Borse, and Subhasis Chaudhuri. Embedding capacity estimation of reversible watermarking schemes. SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, 39(6):1357–1385, DEC 2014.
12. Yuan-Hung Kao, Wei-Bin Lee, Tien-Yu Hsu, Chen-Yi Lin, Hui-Fang Tsai, and Tung-Shou Chen. Data Perturbation Method Based on Contrast Mapping for Reversible Privacy-preserving Data Mining. JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING, 35(6, SI):789–794, DEC 2015.
13. Asifullah Khan, Ayesha Siddiqa, Summuyya Munib, and Sana Ambreen Malik. A recent survey of reversible watermarking techniques. INFORMATION SCIENCES, 279:251–272, SEP 20 2014.
14. Manoj Kumar and Himanshu Agarwal. Reversible Watermarking Scheme for Medical Images. In Sharma, A and Ahlawat,A and Pandey, A and Sharma, V, editor, PROCEEDINGS OF THE 2014 INTERNATIONAL CONFERENCE ON ISSUES AND CHALLENGES IN INTELLIGENT COMPUTING TECHNIQUES (ICICT), pages 844–847. IEEE Delhi Sect; IEEE Computat Intelligence Soc, Delhi Sect; Krishna Inst Engn & Technol, Comp Dept; IEEE, 2014. International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT), Krishna Inst Engn & Technol, Ghaziabad, INDIA, FEB 07-08, 2014.
15. Vinoth C. Kumar, V Natarajan, and Santhosh S. Muraledharan. Difference Expansion based Reversible Data Hiding for Medical Images. In 2014 INTERNATIONAL CONFERENCE ON COMMUNICATIONS AND SIGNAL PROCESSING (ICCSP). IEEE; Adhiparasakthi Engn Coll, Dept Elect Commun Engn; IEEE Madras Sect, 2014. 3rd International Conference on Communications and Signal Processing (ICCSP), Melmaruvathur, INDIA, APR 03-05, 2014.
16. H. R. Lakshmi and B. Surekha. Asynchronous Implementation of Reversible Image Watermarking Using Mousetrap Pipelining. In Raju, MSVSB and Garg, D and Raju, SV and Raju, KR, editor, 2016 IEEE 6TH INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING (IACC), International Conference on Advanced Computing, pages 529–533. IEEE Comp Soc, India Council; IEEE, 2016. IEEE 6th International Advance Computing Conference (IACC), Sagi RamaKrishnam Raju Engn Coll, Bhimavaram, INDIA, FEB 27-28, 2016.
17. Ramesh Kumar Lama, Seung-Jo Han, and Goo-Rak Kwon. SVD based improved secret fragment visible mosaic image generation for information hiding. MULTIMEDIA TOOLS AND APPLICATIONS, 73(2):873–886, NOV 2014.
18. Ya-Lin Lee and Wen-Hsiang Tsai. A New Secure Image Transmission Technique via Secret-Fragment-Visible Mosaic Images by Nearly Reversible Color Transformations. IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, 24(4):695–703, APR 2014.
19. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. Efficient Reversible Data Hiding Based on Multiple Histograms Modification. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 10(9):2016–2027, SEP 2015.
20. Xiaolong Li, Weiming Zhang, Bo Ou, and Bin Yang. A BRIEF REVIEW ON REVERSIBLE DATA HIDING: CURRENT TECHNIQUES AND FUTURE PROSPECTS. In 2014 IEEE CHINA SUMMIT & INTERNATIONAL CONFERENCE ON SIGNAL AND INFORMATION PROCESSING (CHINASIP), pages 426–430. IEEE; Inst Elect & Elect Engineers Signal Proc Soc; NW Polytechn Univ, Shaanxi Key Lab Informat Acquisit & Proc; Natl Nat Sci Fdn China; KC Wong Educ Fdn; Texas Instruments; Xidian Univ, Natl Lab Radar Signal Proc, 2014. 2nd IEEE China Summit / International Conference on Signal and Information Processing (IEEE ChinaSIP), Xian, PEOPLES R CHINA, JUL 09-13, 2014.
21. Chen-Yi Lin. A reversible data transform algorithm using integer transform for privacy-preserving data mining. JOURNAL OF SYSTEMS AND SOFTWARE, 117:104–112, JUL 2016.
22. Hirak Kumar Maity and Santi P. Maity. FPGA implementation of reversible watermarking in digital images using reversible contrast mapping. JOURNAL OF SYSTEMS AND SOFTWARE, 96:93–104, OCT 2014.
23. Hirak Kumar Maity and Santi P. Maity. Multiple Predictors based RW Scheme with Adaptive Image Partitioning. In Mauri, JL and Thampi, SM and Wozniak, M and Marques, O and Krishnaswamy, D and Sahni, S and Callegari, C and Takagi, H and Bojkovic, ZS and Vinod, M and Prasad, NR and Calero, JMA and Rodrigues, J and Que, XY and Meghanathan, N and Sandhu, R and Au, E, editor, 2015 INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING, COMMUNICATIONS AND INFORMATICS (ICACCI), pages 184–189. SCMS Sch of Engn & Technol; IEEE Commun Soc; IEEE SMC; acm, 2015. International Conference on Advances in Computing, Communications and Informatics

ICACCI, SCMS Grp of Inst, Aluva, INDIA, AUG 10-13, 2015.
24. Hirak Kumar Maity and Santi P. Maity. PEE based RW using fuzzy conditional entropy for image partitioning. AEUINTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 70(3):211–224, 2016.
25. Hirak Kumar Maity, Santi P. Maity, and Tapasi Bhattacharjee. Prediction based Reversible Watermarking with Contrast Modification. In 2014 FIRST INTERNATIONAL IMAGE PROCESSING, APPLICATIONS AND SYSTEMS CONFERENCE (IPAS). Univ SFAX; ENIS; TELECOM Bretagne; Inst MinusTelecom; IFSTTAR; IEEE; Control & Energy Management Lab; CELS; Natl Engn Sch Sfax; Telecom Bretagne Inst Mines Telecom; Ministry of Higher Education, Scientific Research and Information and Communication Technol; Assoc Boussole pour Recherche Scientifique, 2014. Conference on First International Image Processing, Applications and Systems, Hamamet, TUNISIA, NOV 05-07, 2014.
26. Santi P. Maity and Hirak Kumar Maity. On adaptive distortion control in reversible watermarking using modified reversible contrast mapping. MULTIMEDIA TOOLS AND APPLICATIONS, 75(13):7931–7956, JUL 2016.
27. Bo Ou, Xiaolong Li, and Jinwei Wang. High-fidelity reversible data hiding based on pixel-value-ordering and pairwise prediction-error expansion. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 39:12–23, AUG 2016.
28. Bo Ou, Xiaolong Li, and Jinwei Wang. Improved PVO-based reversible data hiding: A new implementation based on multiple histograms modification. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 38:328–339, JUL 2016.
29. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Reversible data hiding using invariant pixel-value-ordering and predictionerror expansion. SIGNAL PROCESSING-IMAGE COMMUNICATION, 29(7):760–772, AUG 2014.
30. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Efficient color image reversible data hiding based on channel-dependent payload partition and adaptive embedding. SIGNAL PROCESSING, 108:642–657, MAR 2015.
31. Bo Ou, Xiaolong Li, Yao Zhao, Rongrong Ni, and Yun-Qing Shi. Pairwise Prediction-Error Expansion for Efficient Reversible Data Hiding. IEEE TRANSACTIONS ON IMAGE PROCESSING, 22(12):5010–5021, DEC 2013.
32. Tien-Szu Pan, Shaowei Weng, Zhili Zhou, Shu-Chuan Chu, and John F. Roddick. Reversible Watermarking Based on Position Determination and Pixel Pairs. JOURNAL OF INTERNET TECHNOLOGY, 17(4):779–787, JUL 2016.
33. Chaiyaporn Panyindee and Chuchart Pintavirooj. Optimal Gaussian Weight Predictor and Sorting Using Genetic Algorithm for Reversible Watermarking Based on PEE and HS. IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS, E99D(9):2306–2319, SEP 2016.
34. Indrajeet Phutane and Sanjay Nalbalwar. A New Method For Secret Image Transmission via Secret Fragment Visible Mosaic Image. In 2016 INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS, AND OPTIMIZATION TECHNIQUES (ICEEOT), pages 2418–2423. DMI Coll Engn; IEEE DMI Coll Student Branch, 2016. International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), Palnchur, INDIA, MAR 03-05, 2016.
35. Yingqiang Qiu, Zhenxing Qian, and Lun Yu. Adaptive Reversible Data Hiding by Extending the Generalized Integer Transformation. IEEE SIGNAL PROCESSING LETTERS, 23(1):130–134, JAN 2016.
36. Ales Rocek, Karel Slavicek, Otto Dostal, and Michal Javornik. A new approach to fully-reversible watermarking in medical imaging with breakthrough visibility parameters. BIOMEDICAL SIGNAL PROCESSING AND CONTROL, 29:44–52, AUG 2016.
37. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible Data Hiding: Advances in the Past Two Decades. IEEE ACCESS, 4:3210–3237, 2016.
38. Ren Shuai, Lei Jingxiang, Zhang Tao, and Duan Zongtao. Fast Watermarking of Traffic Images Secure Transmission in Effective Representation Mode. APPLIED MATHEMATICS & INFORMATION SCIENCES, 8(5):2565–2569, SEP 2014.
39. Martin Steinebach and Huajian Liu. Fragile and Authentication Watermarks. In INFORMATION HIDING, Artech House Computer Security Series, pages 201–230. 2016.
40. Fei Wang, Zhaoxin Xie, and Zuo Chen. High Capacity Reversible Watermarking for Audio by Histogram Shifting and Predicted Error Expansion. SCIENTIFIC WORLD JOURNAL, 2014.
41. Rupali Warkar, Priyanka More, and Dattatray Waghole. Digital Audio Watermarking and Image Watermarking for

Information Security. In 2015 INTERNATIONAL CONFERENCE ON PERVASIVE COMPUTING (ICPC). IEEE Pune Sect; IEEE Comp Soc; Savitribai Phule Pune Univ; IEEE Commun Soc Pune Chapter; Sinhgad Inst; Sakal Times, 2015. International Conference on Pervasive Computing (ICPC), Pune, INDIA, JAN 08-10, 2015.

42. Shaowei Weng, Yijun Liu, Jeng-Shyang Pan, and Nian Cai. Reversible data hiding based on flexible block-partition and adaptive block-modification strategy. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 41:185–199, NOV 2016.
43. Shaowei Weng and Jeng-Shyang Pan. Reversible watermarking based on multiple prediction modes and adaptive watermark embedding. MULTIMEDIA TOOLS AND APPLICATIONS, 72(3):3063–3083, OCT 2014.
44. Shaowei Weng and Jeng-Shyang Pan. Adaptive reversible data hiding based on a local smoothness estimator. MULTIMEDIA TOOLS AND APPLICATIONS, 74(23):10657–10678, DEC 2015.
45. Shaowei Weng and Jeng-Shyang Pan. Integer transform based reversible watermarking incorporating block selection. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 35:25–35, FEB 2016.
46. Shaowei Weng and Jeng-Shyang Pan. Reversible watermarking based on two embedding Schemes. MULTIMEDIA TOOLS AND APPLICATIONS, 75(12):7129–7157, JUN 2016.
47. Shaowei Weng, Jeng-shyang Pan, and Leida Li. Reversible data hiding based on an adaptive pixel-embedding strategy and two-layer embedding. INFORMATION SCIENCES, 369:144–159, NOV 10 2016.
48. Hao-Tian Wu, Jean-Luc Dugelay, and Yun-Qing Shi. Reversible Image Data Hiding with Contrast Enhancement. IEEE SIGNAL PROCESSING LETTERS, 22(1):81–85, JAN 2015.
49. Di Xiao, Shulei Hu, and Hongying Zheng. A high capacity combined reversible watermarking scheme for 2-D CAD engineering graphics. MULTIMEDIA TOOLS AND APPLICATIONS, 74(6):2109–2126, MAR 2015.
50. Juan Zhao, Zhi-Tang Li, and Bing Feng. A novel two-dimensional histogram modification for reversible data embedding into stereo H.264 video. MULTIMEDIA TOOLS AND APPLICATIONS, 75(10):5959–5980, MAY 2016.
51. Samira Bouchama, Hassina Aliane, and Latifa Hamami. Reversible data hiding scheme for the H.264/AVC codec. In 2013 INTERNATIONAL CONFERENCE ON INFORMATION SCIENCE AND APPLICATIONS (ICISA 2013), International Conference on Information Science and Applications. IEEE; IEEE Comp Soc; Korea Ind Secur Forum; Inst Creat & Adv Technologies, 2013. 4th International Conference on Information Science and Applications (ICISA), Pattaya, THAILAND, JUN 24-26, 2013.
52. Sudip Ghosh, Buoy Kundu, Debopam Datta, Santi P. Maity, and Hafizur Rahaman. Design and Implementation of Fast FPGA Based Architecture for Reversible Watermarking. In 2013 INTERNATIONAL CONFERENCE ON ELECTRICAL INFORMATION AND COMMUNICATION TECHNOLOGY (EICT). Fac Elect & Elect Engn; Khulna Univ Engn & Technol; IEEE, Bangladesh EDS SSCS Chapter, 2013. International Conference on Electrical Information and Communication Technology (EICT), Khulna, BANGLADESH, FEB 13-15, 2014.
53. Po-Whei Huang, Yung-Kuan Chan, Chia-Yi Chuang, and Hao-Cheng Wang. Reversible Data Hiding Algorithm Using Dual Domain Embedding. In Lee, G, editor, PROCEEDINGS OF THE 2ND INTERNATIONAL SYMPOSIUM ON COMPUTER, COMMUNICATION, CONTROL AND AUTOMATION, volume 68 of Advances in Intelligent Systems Research, pages 78–81, 2013. 2nd International Symposium on Computer, Communication, Control and Automation (3CA), Singapore, SINGAPORE, DEC 01-02, 2013.
54. M. Jeni and S. Srinivasan. Reversible Data Hiding in Videos Using Low Distortion Transform. In 2013 INTERNATIONAL CONFERENCE ON INFORMATION COMMUNICATION AND EMBEDDED SYSTEMS (ICICES), pages 126–129, 2013. International Conference on Information Communication and Embedded Systems (ICICES), Chennai, INDIA, FEB 21-22, 2013.
55. Xiaolong Li, Bin Li, Bin Yang, and Tieyong Zeng. General Framework to Histogram-Shifting-Based Reversible Data Hiding. IEEE TRANSACTIONS ON IMAGE PROCESSING, 22(6):2181–2191, JUN 2013.
56. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. A Novel Reversible Data Hiding Scheme Based on TwoDimensional Difference-Histogram Modification. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 8(7):1091–1100, JUL 2013.

			57. Santi P. Maity and Hirak Kumar Maity. M-ary Reversible Contrast Mapping in Reversible Watermarking with Optimal Distortion Control. In Harit, G and Das, S, editor, 2013 FOURTH NATIONAL CONFERENCE ON COMPUTER VISION, PATTERN RECOGNITION, IMAGE PROCESSING AND GRAPHICS (NCVPRIPG), National Conference on Computer Vision Pattern Recognition Image Processing and Graphics. Indian Inst Technol Jodhpur; Indian Unit Pattern Recognit & Artificial Intelligence, 2013. 4th National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), Jodhpur, INDIA, DEC 18-21, 2013. 58. C. Panyindee and C. Pintavirooj. QR Codes Application for Reversible Watermarking Algorithm in Biomedical Images. In 6TH BIOMEDICAL ENGINEERING INTERNATIONAL CONFERENCE (BMEICON 2013). IEEE; IEEJ; IEEE Thailand Chapter; IEEE EMB; Prince Songkla Univ; Thai Biomed Engn Res Soc; IEEJ Biomed Engn Japan Sect, 2013. 6th Biomedical Engineering International Conference (BMEiCON), Krabi, THAILAND, OCT 23-25, 2013. 59. Chaiyaporn Panyindee and Chuchart Pintavirooj. Optimizations Using the Genetic Algorithm for Reversible Watermarking. In 2013 10TH INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING/ELECTRONICS, COMPUTER, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY (ECTI-CON). IEEE; IEEE Thailand Sect, 2013. 10th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), Krabi, THAILAND, MAY 15-17, 2013.
Distortion-free robust watermarking: a case study	Dinu Coltuc, Jean-Marc Chassery	2	1. Coatrieux G, Pan W, Cuppens-Boulahia N, Cuppens F, Roux C. Reversible watermarking based on invariant image classification and dynamic histogram shifting. IEEE Transactions on Information forensics and security. 2013 Jan;8(1):111-20. 2. Aznaveh AM, Torkamani-Azar F, Mansouri A, Kurugollu F. Reversible watermarking using statistical information. EURASIP Journal on Advances in Signal Processing. 2010 Dec 1;2010(1):738972.
High capacity reversible watermarking	Dinu Coltuc, Jean-Marc Chassery	2	1. Tew Y, Wong K. An overview of information hiding in H. 264/AVC compressed video. IEEE transactions on circuits and systems for video technology. 2014 Feb;24(2):305-19. 2. Iyer R, Borse R, Chaudhuri S. Embedding capacity estimation of reversible watermarking schemes. Sadhana. 2014 Dec 1;39(6):1357-85.
Exact histogram specification	Dinu Coltuc, Philippe Bolon, Jean-Marc Chassery	50	1. Saibabu Arigela and Vijayan K. Asari. Self-tunable transformation function for enhancement of high contrast color images. JOURNAL OF ELECTRONIC IMAGING, 22(2), APR-JUN 2013. 2. Felix Balado. THE ROLE OF PERMUTATION CODING IN MINIMUM-DISTORTION PERFECT COUNTERFORENSICS. In 2014 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP), International Conference on Acoustics Speech and Signal Processing ICASSP. IEEE, 2014. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Florence, ITALY, MAY 04-09, 2014. 3. Felix Balado and Thierry Fournel. How to (Possibly) Foil Multimedia Security? In 2014 13TH WORKSHOP ON INFORMATION OPTICS (WIO), 2014. 13th Workshop on Information Optics (WIO), Neuchatel, SWITZERLAND, JUL 07-11, 2014. 4. F. Baus, M. Nikolova, and G. Steidl. Fully Smoothed l(1)-TV Models: Bounds for the Minimizers and Parameter Choice. JOURNAL OF MATHEMATICAL IMAGING AND VISION, 48(2, SI):295–307, FEB 2014. 5. Turgay Celik. Spatial Entropy-Based Global and Local Image Contrast Enhancement. IEEE TRANSACTIONS ON IMAGE PROCESSING, 23(12):5298–5308, DEC 2014. 6. Turgay Celik. Spatial Mutual Information and PageRank-Based Contrast Enhancement and Quality-Aware Relative Contrast Measure. IEEE TRANSACTIONS ON IMAGE PROCESSING, 25(10):4719–4728, OCT 2016. 7. Turgay Celik and Heng-Chao Li. Residual spatial entropy-based image contrast enhancement and gradient-based relative contrast measurement. JOURNAL OF MODERN OPTICS, 63(16):1600–1617, 2016. 8. Chieh-Li Chen, Hiroshi Ishikawa, Gadi Wollstein, Richard A. Bilonick, Ian A. Sigal, Larry Kagemann, and Joel S. Schuman. Histogram Matching Extends Acceptable Signal Strength Range on Optical Coherence Tomography Images. INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, 56(6):3810–3819, JUN 2015. 9. T. Delleji, A. Kallel, and A. Ben Hamida. Multispectral image adaptive pansharpening based on wavelet transformation and NMDB approaches. INTERNATIONAL JOURNAL OF REMOTE SENSING, 35(19):7069–7098, OCT 2 2014.

10. T. Delleji, A. Kallel, and A. Ben Hamida. Iterative scheme for MS image pansharpening based on the combination of multi-resolution decompositions. INTERNATIONAL JOURNAL OF REMOTE SENSING, 37(24):6041–6075, 2016.
11. Miguel A. Ferrer, Moises Diaz-Cabrera, and Aythami Morales. Static Signature Synthesis: A Neuromotor Inspired Approach for Biometrics. IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, 37(3):667–680, MAR 2015.
12. Xueyang Fu, Ye Sun, Minghui LiWang, Yue Huang, Xiao-Ping Zhang, and Xinghao Ding. A NOVEL RETINEX BASED APPROACH FOR IMAGE ENHANCEMENT WITH ILLUMINATION ADJUSTMENT. In 2014 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP), International Conference on Acoustics Speech and Signal Processing ICASSP. IEEE, 2014. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Florence, ITALY, MAY 04-09, 2014.
13. Xueyang Fu, Delu Zeng, Yue Huang, Yinghao Liao, Xinghao Ding, and John Paisley. A fusion-based enhancing method for weakly illuminated images. SIGNAL PROCESSING, 129:82–96, DEC 2016.
14. Xueyang Fu, Peixian Zhuang, Yue Huang, Yinghao Liao, Xiao-Ping Zhang, and Xinghao Ding. A RETINEX-BASED ENHANCING APPROACH FOR SINGLE UNDERWATER IMAGE. In 2014 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 4572–4576. IEEE, 2014. IEEE International Conference on Image Processing (ICIP), Paris, FRANCE, OCT 27-30, 2014.
15. Yuanhao Gong and Ivo F. Sbalzarini. Image Enhancement by Gradient Distribution Specification. In Jawahar, CV and Shan, S, editor, COMPUTER VISION - ACCV 2014 WORKSHOPS, PT II, volume 9009 of Lecture Notes in Computer Science, pages 47–62. Singapore Tourism Board; Omron; Nvidia; Garena; Samsung; Adobe; ViSenze; Lee Fdn; Morpx; Microsoft Res; NICTA, 2015. 12th Asian Conference on Computer Vision (ACCV), Singapore, SINGAPORE, NOV 01-05, 2014.
16. Yuanhao Gong and Ivo F. Sbalzarini. A Natural-Scene Gradient Distribution Prior and its Application in Light-Microscopy Image Processing. IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, 10(1):99–114, FEB 2016.
17. Zhenghua Huang, Tianxu Zhang, Qian Li, and Hao Fang. Adaptive gamma correction based on cumulative histogram for enhancing near-infrared images. INFRARED PHYSICS & TECHNOLOGY, 79:205–215, NOV 2016.
18. Cheolkon Jung, Ying Fang, and Licheng Jiao. High-dynamic-range image rendering using hybrid tone mapping and automatic k factor decision. JOURNAL OF ELECTRONIC IMAGING, 22(3), JUL 2013.
19. Su-Min Kang, Kyung-Moo Huh, Se-Hyuk Park, and Young-Bok Joo. An Enhanced Histogram Specification Method Using Multiresolution. In 2014 14TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND SYSTEMS (ICCAS 2014), International Conference on Control Automation and Systems, pages 1565–1570. MOTIE; ROBOT WORLD; IES; RA; CSS; SCIE; ACA; ISA; CAC, 2014. 14th International Conference on Control, Automation and Systems (ICCAS), SOUTH KOREA, OCT 22-25, 2014.
20. Bongjoe Kim, Hunjae Yoo, and Kwanghoon Sohn. Exact order based feature descriptor for illumination robust image matching. PATTERN RECOGNITION, 46(12):3268–3278, DEC 2013.
21. Youngbae Kim, Jin-Hwan Kim, and Chang-Su Kim. VGEF: Contrast Enhancement of Dark Images Using Value Gap Expansion Force and Sorted Histogram Equalization. In 2014 ASIA-PACIFIC SIGNAL AND INFORMATION PROCESSING ASSOCIATION ANNUAL SUMMIT AND CONFERENCE (APSIPA). Asia Pacif Signal & Informat Proc Assoc, 2014. Annual Summit and Conference of Asia-Pacific-Signal-and-Information-Processing-Association (APSIPA), Angkor, CAMBODIA, DEC 09-12, 2014.
22. Evan Krieger, Vijayan K. Asari, and Saibabu Arigela. Color image enhancement of low-resolution images captured in extreme lighting conditions. In Agaian, SS and Jassim, SA and Du, EY, editor, MOBILE MULTIMEDIA/IMAGE PROCESSING, SECURITY, AND APPLICATIONS 2014, volume 9120 of Proceedings of SPIE. SPIE, 2014. Conference on Mobile Multimedia/Image Processing, Security, and Applications, Baltimore, MA, MAY 05-06, 2014.
23. Shyam Lae, A. V. Narasimhadhan, and Rahul Kumar. Automatic Method for Contrast Enhancement of Natural Color Images. JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, 10(3):1233–1243, MAY 2015.
24. Shyam Lal and Mahesh Chandra. Efficient Algorithm for Contrast Enhancement of Natural Images. INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, 11(1):95–102, JAN 2014.

25. Sung-Ho Lee, Kang-A Choi, and Sung-Jea Ko. Classification Based Histogram Specification Framework for Image Contrast Enhancement. In 2014 INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND INFORMATION SCIENCES (ICCAIS 2014), International Conference on Control Automation and Information Sciences, pages 121–126. IEEE Gwangju Sect; Gwangju Inst Sci & Technol; IEEE; BK21 Plus; ICT R&D DeepView; Global Frontier Project Ctr Integrated Smart Sensors, 2014. 3rd International Conference on Control, Automation and Information Sciences (ICCAIS), Gwangju, SOUTH KOREA, DEC 02-05, 2014.
26. Hui-Dong Liu, Ming Yang, Yang Gao, and Longbing Cao. Fast Local Histogram Specification. IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, 24(11):1833–1843, NOV 2014.
27. Hui-Dong Liu, Ming Yang, Yang Gao, and Chunyan Cui. Local histogram specification for face recognition under varying lighting conditions. IMAGE AND VISION COMPUTING, 32(5):335–347, MAY 2014.
28. Yu Liu, He Guo, Yulong Yu, Qi Jia, and Yiting Hou. Parallel Acceleration of Histogram Specification based on Group Mapping Law. In Yuan, Z and Wang, L and Xu, W and Yu, K, editor, 2013 6TH INTERNATIONAL CONGRESS ON IMAGE AND SIGNAL PROCESSING (CISP), VOLS 1-3, pages 315–319. IEEE; Hangzhou Normal Univ; EMB, 2013. 6th International Congress on Image and Signal Processing (CISP), Hangzhou, PEOPLES R CHINA, DEC 16-18, 2013.
29. Hao Luo, Fa-Xin Yu, Zheng-Liang Huang, Hua Chen, and Zhe-Ming Lu. Reversible data hiding based on hybrid prediction and interleaving histogram modification with single seed pixel recovery. SIGNAL IMAGE AND VIDEO PROCESSING, 8(5):813–818, JUL 2014.
30. Flavio Altinier Maximiano da Silva and Helio Pedrini. Effects of cultural characteristics on building an emotion classifier through facial expression analysis. JOURNAL OF ELECTRONIC IMAGING, 24(2), MAR-APR 2015.
31. Flavio Altinier Maximiano da Silva and Helio Pedrini. Geometrical Features and Active Appearance Model Applied to Facial Expression Recognition. INTERNATIONAL JOURNAL OF IMAGE AND GRAPHICS, 16(4), OCT 2016.
32. Mila Nikolova and Gabriele Steidl. Fast Hue and Range Preserving Histogram Specification: Theory and New Algorithms for Color Image Enhancement. IEEE TRANSACTIONS ON IMAGE PROCESSING, 23(9):4087–4100, SEP 2014.
33. Mila Nikolova and Gabriele Steidl. Fast Ordering Algorithm for Exact Histogram Specification. IEEE TRANSACTIONS ON IMAGE PROCESSING, 23(12):5274–5283, DEC 2014.
34. Mila Nikolova, You-Wei Wen, and Raymond Chan. Exact Histogram Specification for Digital Images Using a Variational Approach. JOURNAL OF MATHEMATICAL IMAGING AND VISION, 46(3, SI):309–325, JUL 2013.
35. Yi Niu, Xiaolin Wu, and Guangming Shi. Image Enhancement by Entropy Maximization and Quantization Resolution Upconversion. IEEE TRANSACTIONS ON IMAGE PROCESSING, 25(10):4815–4828, OCT 2016.
36. Alex J. Perez, Mojtaba Seyedhosseini, Thomas J. Deerinck, Eric A. Bushong, Satchidananda Panda, Tolga Tasdizen, and Mark H. Ellisman. A workflow for the automatic segmentation of organelles in electron microscopy image stacks. FRONTIERS IN NEUROANATOMY, 8, NOV 7 2014.
37. Oleg S. Pianykh. Image Display. In DIGITAL IMAGE QUALITY IN MEDICINE, Understanding Medical Informatics, pages 97–109. 2014.
38. Shashi Poddar, Suman Tewary, Deewakar Sharma, Vinod Karar, Ashish Ghosh, and Sankar K. Pal. Non-parametric modified histogram equalisation for contrast enhancement. IET IMAGE PROCESSING, 7(7):641–652, OCT 2013.
39. Shanto Rahman, Md Mostafijur Rahman, M. Abdullah-Al-Wadud, Golam Dastegir Al-Quaderi, and Mohammad Shoyaib. An adaptive gamma correction for image enhancement. EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING, OCT 18 2016.
40. Shanto Rahman, Md Mostafijur Rahman, Khalid Hussain, Shah Mostafa Khaled, and Mohammad Shoyaib. Image Enhancement in Spatial Domain: A Comprehensive Study. In 2014 17TH INTERNATIONAL CONFERENCE ON COMPUTER AND INFORMATION TECHNOLOGY (ICCIT), pages 368–373. IEEE Bangladesh Sect; Univ Dhaka; Robi Axiata Ltd; Minist Posts, Telecommunicat & Informat Technol, 2014. 17th International Conference on Computer and Information Technology (ICCIT), Daffodil Int Univ, Asulia Campus, Dhaka, BANGLADESH, DEC 22-23, 2014.
41. Sara Saber and Gamal I. Selim. Bispectrum for welds defects detection from radiographic images. In Wang, Y and Yi, X, editor, FIFTH INTERNATIONAL CONFERENCE ON DIGITAL IMAGE PROCESSING (ICDIP 2013), volume 8878 of

			Proceedings of SPIE. Int Assoc Comp Sci & Informat Technol; Chinese Acad Sci, 2013. 5th International Conference on Digital Image Processing (ICDIP), Beijing, PEOPLES R CHINA, APR 21-22, 2013. 42. Yonghun Shin, Soowoong Jeong, and Sangkeun Lee. Efficient naturalness restoration for non-uniform illumination images. IET IMAGE PROCESSING, 9(8):662–671, AUG 2015. 43. P. Tamilselvi and M. Manikandan. Prediction Error and Histogram Shifting Based Reversible Data Hiding. In 2015 3RD INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING, COMMUNICATION AND NETWORKING (ICSCN), 2015. 3rd International Conference on Signal Processing Communication and Networking, Chennai, INDIA, MAR 26-28, 2015. 44. Devis Tuia, Jordi Munoz-Mari, Luis Gomez-Chova, and Jesus Malo. Graph Matching for Adaptation in Remote Sensing. IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, 51(1, 1):329–341, JAN 2013. 45. C. Wang, K. A. Goatman, T. MacGillivray, E. Beveridge, Y. Koutraki, J. Boardman, C. Stirrat, S. Sparrow, E. Moore, R. Paraky, S. Alam, M. Dweck, C. Chin, C. Gray, D. Newby, and S. Semple. AUTOMATIC MULTI-PARAMETRIC MR REGISTRATION METHOD USING MUTUAL INFORMATION BASED ON ADAPTIVE ASYMMETRIC K-MEANS BINNING. In 2015 IEEE 12th International Symposium on Biomedical Imaging (ISBI), IEEE International Symposium on Biomedical Imaging, pages 1089-1092. NIBIB; NATL INST; IEEE; EMB, 2015. IEEE 12th International Symposium on Biomedical Imaging, New York, NY, APR 16-19, 2015. 46. Shuhang Wang, Jin Zheng, Hai-Miao Hu, and Bo Li. Naturalness Preserved Enhancement Algorithm for Non-Uniform Illumination Images. IEEE TRANSACTIONS ON IMAGE PROCESSING, 22(9):3538–3548, SEP 2013. 47. Hongteng Xu, Guangtao Zhai, Xiaolin Wu, and Xiaokang Yang. Generalized Equalization Model for Image Enhancement. IEEE TRANSACTIONS ON MULTIMEDIA, 16(1):68-82, JAN 2014. 48. O. Zahran, H. Kasban, M. El-Kordy, and F. E. Abd El-Samie. Automatic weld defect identification from radiographic images. NDT & E INTERNATIONAL, 57:26–35, JUL 2013. 49. Fan Zhao, Jian Zhao, Xizhen Han, He Wang, and Bochao Liu. Robust image reconstruction enhancement based on Gaussian mixture model estimation. JOURNAL OF ELECTRONIC IMAGING, 25(2), MAR 2016. 50. Bejinariu SI, Rotaru F, Niță CD, Costin M. Morphological wavelets for panchromatic and multispectral image fusion. InSoft Computing Applications 2013 (pp. 573-583). Springer Berlin Heidelberg.
Simple reversible watermarking schemes: further results	Dinu Coltuc, Jean-Marc Chassery	4	1. Maity HK, Maity SP. FPGA implementation of reversible watermarking in digital images using reversible contrast mapping. Journal of Systems and Software. 2014 Oct 31;96:93-104. 2. Ghosh S, Das N, Das S, Maity SP, Rahaman H. Digital Design and Pipelined Architecture for Reversible Watermarking Based on Difference Expansion Using FPGA. InInformation Technology (ICIT), 2014 International Conference on 2014 Dec 22 (pp. 123-128). IEEE. 3. Maity HK, Maity SP. PEE based RW using fuzzy conditional entropy for image partitioning. AEU-International Journal of Electronics and Communications. 2016 Mar 31;70(3):211-24. 4. Maity HK, Maity SP. FPGA Implementation for Modified RCM-RW on Digital Images. Journal of Circuits, Systems and Computers. 2017 Mar;26(03):1750044.
Simple reversible watermarking schemes	Coltuc, Dinu, Alain Tremeau.	3	1. Ghosh, Sudip, et al. "Digital Design and Pipelined Architecture for Reversible Watermarking Based on Difference Expansion Using FPGA." Information Technology (ICIT), 2014 International Conference on. IEEE, 2014. 2. Maity, Hirak Kumar, and Santi P. Maity. "FPGA implementation of reversible watermarking in digital images using reversible contrast mapping." Journal of Systems and Software 96 (2014): 93-104. 3. Maity HK, Maity SP. PEE based RW using fuzzy conditional entropy for image partitioning. AEU-International Journal of Electronics and Communications. 2016 Mar 31;70(3):211-24.
Fragile and robust watermarking by histogram specification	Dinu Coltuc, Philippe Bolon, Jean-Marc Chassery	3	1. Nyeem, Hussain, Wageeh Boles, and Colin Boyd. "Digital image watermarking: its formal model, fundamental properties and possible attacks." EURASIP Journal on Advances in Signal Processing 2014.1 (2014): 135. 2. Liu HD, Yang M, Gao Y, Cao L. Fast Local Histogram Specification. IEEE Transactions on Circuits and Systems for Video Technology. 2014 Nov;24(11):1833-43. 3. Tamilselvi P, Manikandan M. Prediction error and histogram shifting based reversible data hiding. InSignal Processing, Communication and Networking (ICSCN), 2015 3rd International Conference on 2015 Mar 26 (pp. 1-5). IEEE.

Color image watermarking in HSI space	Dinu Coltuc, Philippe Bolon	4	1. Ansari IA, Pant M, Neri F. Analysis of gray scale watermark in RGB host using SVD and PSO. InComputational Intelligence for Multimedia, Signal and Vision Processing (CIMSIVP), 2014 IEEE Symposium on 2014 Dec 9 (pp. 1-7). IEEE. 2. Liu HD, Yang M, Gao Y, Cao L. Fast Local Histogram Specification. IEEE Transactions on Circuits and Systems for Video Technology. 2014 Nov;24(11):1833-43. 3. Agarwal R. Block based digital watermarking using singular value decomposition on color images. InComputing, Communication & Automation (ICCCA), 2015 International Conference on 2015 May 15 (pp. 1176-1181). IEEE. 4. Liu Y, Guo H, Yu Y, Jia Q, Hou Y. Parallel acceleration of histogram specification based on group mapping law. InImage and Signal Processing (CISP), 2013 6th International Congress on 2013 Dec 16 (Vol. 1, pp. 315-319). IEEE.
Robust watermarking by histogram specification	Dinu Coltuc, Philippe Bolon.	6	1. Nikolova M, Wen YW, Chan R. Exact histogram specification for digital images using a variational approach. Journal of Mathematical Imaging and Vision. 2013 Jul 1;46(3):309-25. 2. Tao H, Chongmin L, Zain JM, Abdalla AN. Robust image watermarking theories and techniques: a review. Journal of applied research and technology. 2014 Feb 28;12(1):122-38. 3. Cedillo-Hernández M, García-Ugalde F, Nakano-Miyatake M, Pérez-Meana HM. Robust hybrid color image watermarking method based on DFT domain and 2D histogram modification. Signal, Image and Video Processing. 2014 Jan 1;8(1):49-63. 4. Liu HD, Yang M, Gao Y, Cao L. Fast Local Histogram Specification. IEEE Transactions on Circuits and Systems for Video Technology. 2014 Nov;24(11):1833-43. 5. Qi X, Wang J. A localized geometric-distortion resilient digital watermarking scheme using two kinds of complementary feature points. InMultimedia and Expo Workshops (ICMEW), 2013 IEEE International Conference on 2013 Jul 15 (pp. 1-4). IEEE. 6. Cedillo-Hernandez M, Nakano-Miyatake M, Garcia-Ugalde F, Perez-Meana H. Cropping resilient watermarking based on histogram modification. Journal of applied research and technology. 2013 Oct 31;11(5):764-79.
Strict ordering on discrete images and applications	Dinu Coltuc, Philippe Bolon	1	1. Florea C, Florea L, Butnaru R, Bandrabur A, Vertan C. Pain intensity estimation by a self-taught selection of histograms of topographical features. Image and Vision Computing. 2016 Dec 31;56:13-27.
An inverse problem: Histogram equalization Search within citing articles	Dinu Coltuc, Philippe Bolon	2	1. Nikolova M, Wen YW, Chan R. Exact histogram specification for digital images using a variational approach. Journal of Mathematical Imaging and Vision. 2013 Jul 1;46(3):309-25. 2. Homnan B, Benjapolakul W. Intermediate inverse image histogram. InComputational Science and Engineering (CSE), 2013 IEEE 16th International Conference on 2013 Dec 3 (pp. 675-679). IEEE.
Fast computation of a class of running filters	Dinu Coltuc	1	1. Déforges O, Normand N, Babel M. Fast recursive grayscale morphology operators: from the algorithm to the pipeline architecture. Journal of Real-Time Image Processing. 2013 Jun 1;8(2):143-52.
On fast running max-min filtering	Dinu Coltuc, Ioannis Pitas	2	1. Karas P, Morard V, Bartovský J, Grandpierre T, Dokládalová E, Matula P, Dokládal P. GPU implementation of linear morphological openings with arbitrary angle. Journal of Real-Time Image Processing. 2. Bartovský J, Dokládal P, Dokládalová E, Bilodeau M, Akil M. Real-time implementation of morphological filters with polygonal structuring elements. Journal of Real-Time Image Processing. 2015 Mar 1;10(1):175-87.
Low distortion transform for reversible watermarking	Dinu Coltuc	62	1. Lei, Baiying, et al. "Reversible watermarking scheme for medical image based on differential evolution." Expert Systems with Applications 41.7 (2014): 3178-3188. 2. Hu, Xiaocheng, Weiming Zhang, and Nenghai Yu. "Optimizing Pixel Predictors Based on Self-Similarities for Reversible Data Hiding." Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), 2014 Tenth International Conference on. IEEE, 2014. 3. Gui, Xinlu, Xiaolong Li, and Bin Yang. "A high capacity reversible data hiding scheme based on generalized prediction-error expansion and adaptive embedding." Signal Processing 98 (2014): 370-380. 4. Ou, Bo, et al. "Reversible data hiding using invariant pixel-value-ordering and prediction-error expansion." Signal Processing: Image Communication 29.7 (2014): 760-772. 5. Khan, Asifullah, et al. "A recent survey of reversible watermarking techniques."Information Sciences 279 (2014): 251-272. 6. Wang, Junxiang, Jiangqun Ni, and Yongjian Hu. "An efficient reversible data hiding scheme using prediction and optimal side information selection." Journal of Visual Communication and Image Representation 25.6 (2014): 1425-1431. 7. Ni, Rongrong, et al. "Adaptive reversible watermarking using trimmed prediction and pixel-selection-based sorting." Signal and Information Processing (ChinaSIP), 2014 IEEE China Summit & International Conference on. IEEE, 2014.

8. Weng, Shaowei, and Jeng-Shyang Pan. "Adaptive reversible data hiding based on a local smoothness estimator." Multimedia Tools and Applications (2014): 1-22.
9. Chen, Xianyi, et al. "Histogram shifting based reversible data hiding method using directed-prediction scheme." Multimedia Tools and Applications (2014): 1-19.
10. Gui, Xinlu, et al. "A Novel Reversible Data Hiding Scheme Based on Reference Pixels and Adaptive Block Selection." Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), 2014 Tenth International Conference on. IEEE, 2014.
11. Gui, Xinlu, Xiaolong Li, and Bin Yang. "Efficient reversible data hiding based on two-dimensional pixel-intensity-histogram modification." Acoustics, Speech and Signal Processing (ICASSP), 2014 IEEE International Conference on. IEEE, 2014.
12. Kumar, Vinoth, and V. Natarajan. "Difference expansion based Reversible Data Hiding for medical images." Communications and Signal Processing (ICCSP), 2014 International Conference on. IEEE, 2014.
13. Archana Aniyan and J Deepa. Hardware implementation of a robust watermarking technique for digital images. In Intelligent Computational Systems (RAICS), 2013 IEEE Recent Advances in, pages 293–298. IEEE, 2013.
14. CM Anoja and C Seldev Chirstopher. Context based reversible watermarking. In Information & Communication Technologies (ICT), 2013 IEEE Conference on, pages 1049–1054. IEEE, 2013.
15. Siren Cai, Xiaolong Li, Jiaying Liu, and Zongming Guo. A new reversible data hiding scheme exploiting high-dimensional prediction-error histogram. In Image Processing (ICIP), 2016 IEEE International Conference on, pages 2732–2736. IEEE, 2016.
16. Siren Cai, Xiaolong Li, Bowen Xue, and Zongming Guo. A new reversible data hiding scheme based on high-dimensional pixel-intensity-histogram modification. In Multimedia & Expo Workshops (ICMEW), 2016 IEEE International Conference on, pages 1–6. IEEE, 2016.
17. Xianyi Chen, Xingming Sun, Huiyu Sun, Lingyun Xiang, and Bin Yang. Histogram shifting based reversible data hiding method using directed-prediction scheme. Multimedia Tools and Applications, 74(15):5747–5765, 2015.
18. Xianyi Chen, Xingming Sun, Huiyu Sun, Zhili Zhou, and Jianjun Zhang. Reversible watermarking method based on asymmetric-histogram shifting of prediction errors. Journal of Systems and Software, 86(10):2620–2626, 2013.
19. Xuansen He, Tao Zhu, and Gaobo Yang. A geometrical attack resistant image watermarking algorithm based on histogram modification. Multidimensional Systems and Signal Processing, 26(1):291–306, 2015.
20. Jing Hu and Mingqin Geng. A reversible watermarking algorithm for 2d vector maps. In Instrumentation and Measurement, Sensor Network and Automation (IMSNA), 2013 2nd International Symposium on, pages 1101–1104. IEEE, 2013.
21. M Jeni and S Srinivasan. Reversible data hiding in videos using low distortion transform. In Information Communication and Embedded Systems (ICICES), 2013 International Conference on, pages 121–124. IEEE, 2013.
22. Jian Li, Xiaolong Li, and Xingming Sun. A new reversible data hiding scheme based on efficient prediction. In International Workshop on Digital Watermarking, pages 326–336. Springer, 2013.
23. Xiaolong Li and Zongming Guo. General expansion-shifting model for reversible data hiding. In Signal and Information Processing Association Annual Summit and Conference (APSIPA), 2016 Asia-Pacific, pages 1–4. IEEE, 2016.
24. Xiaolong Li, Bin Li, Bin Yang, and Tieyong Zeng. General framework to histogram-shifting-based reversible data hiding. IEEE Transactions on image processing, 22(6):2181–2191, 2013.
25. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. A novel reversible data hiding scheme based on two-dimensional difference-histogram modification. IEEE Transactions on Information Forensics and Security, 8(7):1091–1100, 2013.
26. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. Efficient reversible data hiding based on multiple histograms modification. IEEE Transactions on Information Forensics and Security, 10(9):2016–2027, 2015.
27. Bin Ma and Yun Q Shi. A reversible data hiding scheme based on code division multiplexing. IEEE Transactions on Information Forensics and Security, 11(9):1914–1927, 2016.
28. Hirak Kumar Maity and Santi P Maity. Multiple predictors based rw scheme with adaptive image partitioning. In Advances in Computing, Communications and Informatics (ICACCI), 2015 International Conference on, pages 184–189. IEEE, 2015.
29. Hirak Kumar Maity and Santi P Maity. Pee based rw using fuzzy conditional entropy for image partitioning. AEUInternational Journal of Electronics and Communications, 70(3):211–224, 2016.
30. Santi P Maity and Hirak Kumar Maity. M-ary reversible contrast mapping in reversible watermarking with optimal distortion control. In Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), 2013 Fourth National Conference on, pages 1–4. IEEE, 2013.
31. Santi P Maity and Hirak Kumar Maity. On adaptive distortion control in reversible watermarking using modified reversible contrast mapping. Multimedia Tools and Applications, 75(13):7931–7956, 2016.
32. Thai-Son Nguyen, Chin-Chen Chang, and Ngoc-Tu Huynh. A novel reversible data hiding scheme based on

differencehistogram modification and optimal emd algorithm. Journal of Visual Communication and Image Representation, 33:389– 397, 2015.
33. Bo Ou, Xiaolong Li, and Jinwei Wang. High-fidelity reversible data hiding based on pixel-value-ordering and pairwise prediction-error expansion. Journal of Visual Communication and Image Representation, 39:12–23, 2016.
34. Bo Ou, Xiaolong Li, and Jinwei Wang. Improved pvo-based reversible data hiding: A new implementation based on multiple histograms modification. Journal of Visual Communication and Image Representation, 38:328–339, 2016.
35. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Reversible data hiding based on pde predictor. Journal of Systems and Software, 86(10):2700–2709, 2013.
36. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Efficient color image reversible data hiding based on channel-dependent payload partition and adaptive embedding. Signal Processing, 108:642–657, 2015.
37. Bo Ou, Xiaolong Li, Yao Zhao, Rongrong Ni, and Yun-Qing Shi. Pairwise prediction-error expansion for efficient reversible data hiding. IEEE Transactions on image processing, 22(12):5010–5021, 2013.
38. Tien-Szu Pan, Shaowei Weng, Zhili Zhou, Shu-Chuan Chu, and John F Roddick. Reversible watermarking based on position determination and pixel pairs. , 17(4):779–787, 2016.
39. Zhibin Pan, Sen Hu, Xiaoxiao Ma, and Lingfei Wang. Reversible data hiding based on local histogram shifting with multilayer embedding. Journal of Visual Communication and Image Representation, 31:64–74, 2015.
40. Qingqi Pei, Xiang Wang, Yuan Li, and Hui Li. Adaptive reversible watermarking with improved embedding capacity. Journal of Systems and Software, 86(11):2841–2848, 2013.
41. Fei Peng, Xiaolong Li, and Bin Yang. An adaptive pee-based reversible data hiding scheme exploiting referential predictionerrors. In Multimedia and Expo (ICME), 2015 IEEE International Conference on, pages 1–6. IEEE, 2015.
42. Chuan Qin, Chin-Chen Chang, and Tai-Jung Hsu. Reversible data hiding scheme based on exploiting modification direction with two steganographic images. Multimedia Tools and Applications, 74(15):5861–5872, 2015.
43. Xiaochao Qu and Hyoung Joong Kim. Pixel-based pixel value ordering predictor for high-fidelity reversible data hiding. Signal Processing, 111:249–260, 2015.
44. Andrew Rudder et al. A lossless data hiding scheme for vq indexes based on joint neighboring coding. KSII Transactions on Internet & Information Systems, 9(8), 2015.
45. Andrew Rudder et al. A reversible steganographic scheme for vq indices based on joint neighboring and predictive coding. Multimedia Tools and Applications, 75(21):13705–13731, 2016.
46. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible data hiding: advances in the past two decades. IEEE Access, 4:3210–3237, 2016.
47. Ling-ling Wan, Fan Chen, Hong-jie He, and Lei Zhang. Reversible data hiding scheme based on prediction error sorting and double prediction. In Signal and Information Processing Association Annual Summit and Conference (APSIPA), 2015 Asia-Pacific, pages 630–634. IEEE, 2015.
48. Shaowei Weng, Yijun Liu, Jeng-Shyang Pan, and Nian Cai. Reversible data hiding based on flexible block-partition and adaptive block-modification strategy. Journal of Visual Communication and Image Representation, 41:185–199, 2016.
49. Shaowei Weng and Jeng-Shyang Pan. Adaptive reversible data hiding based on a local smoothness estimator. Multimedia Tools and Applications, 74(23):10657–10678, 2015.
50. Shaowei Weng and Jeng-Shyang Pan. Integer transform based reversible watermarking incorporating block selection. Journal of Visual Communication and Image Representation, 35:25–35, 2016.
51. Shaowei Weng and Jeng-Shyang Pan. Reversible watermarking based on two embedding schemes. Multimedia Tools and Applications, 75(12):7129–7157, 2016.
52. Shaowei Weng, Jeng-shyang Pan, and Leida Li. Reversible data hiding based on an adaptive pixel-embedding strategy and two-layer embedding. Information Sciences, 369:144–159, 2016.
53. Shaowei Weng, Jeng-Shyang Pan, and Lizhi Zhou. Reversible data hiding based on the local smoothness estimator and optional embedding strategy in four prediction modes. Multimedia Tools and Applications, pages 1–23, 2016.
54. Hongyin Xiang, Jinsha Yuan, and Sizu Hou. Hybrid predictor and field-biased context pixel selection based on ppvo. Mathematical Problems in Engineering, 2016, 2016.
55. Shijun Xiang and Yi Wang. Distortion-free robust reversible watermarking by modifying and recording iwt means of image blocks. In International Workshop on Digital Watermarking, pages 337–349. Springer, 2015.
56. Shijun Xiang and Yi Wang. Non-integer expansion embedding techniques for reversible image watermarking. EURASIP Journal on Advances in Signal Processing, 2015(1):56, 2015.
57. Jiajia Xu, Weiming Zhang, Ruiqi Jiang, and Nenghai Yu. Unified entropy-based sorting for reversible data hiding. Multimedia Tools and Applications, pages 1–22.

			58. Jiajia Xu, Hang Zhou, Weiming Zhang, Ruiqi Jiang, Guoli Ma, and Nenghai Yu. Second order perdicting-error sorting for reversible data hiding. In International Workshop on Digital Watermarking, pages 407–420. Springer, 2016. 59. Bowen Xue, Xiaolong Li, Jinwei Wang, and Zongming Guo. Improved reversible data hiding based on two-dimensional difference-histogram modification. Multimedia Tools and Applications, pages 1–19, 2016. 60. Bin Yang, Xingming Sun, Xiangyang Xin, Weifeng Hu, and Youxin Wu. Image copy–move forgery detection based on sped-up robust features descriptor and adaptive minimal–maximal suppression. Journal of Electronic Imaging, 24(6):063016–063016, 2015. 61. Weiming Zhang, Xiaocheng Hu, Xiaolong Li, and Nenghai Yu. Recursive histogram modification: establishing equivalency between reversible data hiding and lossless data compression. IEEE Transactions on Image Processing, 22(7):2775–2785, 2013. 62. Juan Zhao, Zhi-Tang Li, and Bing Feng. A novel two-dimensional histogram modification for reversible data embedding into stereo h. 264 video. Multimedia Tools and Applications, 75(10):5959–5980, 2016.
Improved embedding for prediction-based reversible watermarking	Dinu Coltuc	60	1. Bashar Ahmed, Sahar Q. Saleh, and Khaled M. Mahar. An Optimized Watermarking Technique Using Wavelet Packet and Singular Value Decomposition. In Alhaisoni, M and Ramadan, RA, editor, PROCEEDINGS OF THE 2015 INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN COMPUTER SYSTEMS, volume 38 of ACSR-Advances in Comptuer Science Research, pages 124–129. Integrated Solut Business; RWAFID; EMC; Oracle, 2016. International Conference on Recent Advances in Computer Systems (RACS), Hail Univ, Coll Comp Sci & Engn, SAUDI ARABIA, NOV 30-DEC 01, 2015. 2. Siren Cai, Xiaolong Li, Jiaying Liu, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME EXPLOITING HIGH-DIMENSIONAL PREDICTION-ERROR HISTOGRAM. In 2016 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2732–2736. Inst Elect & Elect Engineers; Inst Elect & Elect Engineers, Signal Proc Soc, 2016. 23rd IEEE International Conference on Image Processing (ICIP), Phoenix, AZ, SEP 25-28, 2016. 3. Siren Cai, Xiaolong Li, Bowen Xue, and Zongming Guo. A NEW REVERSIBLE DATA HIDING SCHEME BASED ON HIGH-DIMENSIONAL PIXEL-INTENSITY-HISTOGRAM MODIFICATION. In 2016 IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA & EXPO WORKSHOPS (ICMEW), IEEE International Conference on Multimedia and Expo Workshops. IEEE, 2016. IEEE International Conference on Multimedia & Expo Workshops (ICMEW), Seattle, WA, JUL 11-15, 2016. 4. Xiaochun Cao, Ling Du, Xingxing Wei, Dan Meng, and Xiaojie Guo. High Capacity Reversible Data Hiding in Encrypted Images by Patch-Level Sparse Representation. IEEE TRANSACTIONS ON CYBERNETICS, 46(5):1132–1143, MAY 2016. 5. Xianyi Chen, Xingming Sun, Huiyu Sun, Lingyun Xiang, and Bin Yang. Histogram shifting based reversible data hiding method using directed-prediction scheme. MULTIMEDIA TOOLS AND APPLICATIONS, 74(15):5747–5765, JUL 2015. 6. Jiayuan Fan and Tao Chen. REVERSIBLE WATERMARKING USING ENHANCED LOCAL PREDICTION. In 2015 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE International Conference on Image Processing ICIP, pages 2510–2514. Inst Elect & Elect Engineers; IEEE Signal Proc Soc, 2015. IEEE International Conference on Image Processing (ICIP), Quebec City, CANADA, SEP 27-30, 2015. 7. Guangyong Gao and Yun-Qing Shi. Reversible Data Hiding Using Controlled Contrast Enhancement and Integer Wavelet Transform. IEEE SIGNAL PROCESSING LETTERS, 22(11):2078–2082, NOV 2015. 8. Guangyong Gao, Caixue Zhou, and Zongmin Cui. Reversible Watermarking Using Prediction-Error Expansion and Extreme Learning Machine. MATHEMATICAL PROBLEMS IN ENGINEERING, 2015. 9. Xinlu Gui, Siren Cai, Xiaolong Li, and Bin Yang. A novel reversible data hiding scheme based on reference pixels and adaptive block selection. In Watada, J and Ito, A and Pan, JS and Chao, HC and Chen, CM, editor, 2014 TENTH INTERNATIONAL CONFERENCE ON INTELLIGENT INFORMATION HIDING AND MULTIMEDIA SIGNAL PROCESS- 10. ING (IIH-MSP 2014), pages 276–280. IEEE Comp Soc; IEEE; Natl Kaohsiung Univ Appl Sci; IEEE Tainan Sect; IEEE Signal Proc Soc, Tainan Chapter; Int Soc Management Engineers; JSPS NSFC NRF A3 Foresight Program Ultra Realist Acoust Interact Commun Next Generat Internet, 2014. 10th International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), Waseda Univ, Kitakyushu, JAPAN, AUG 27-29, 2014. 11. Xinlu Gui, Xiaolong Li, and Bin Yang. A high capacity reversible data hiding scheme based on generalized prediction-error expansion and adaptive embedding. SIGNAL PROCESSING, 98:370–380, MAY 2014. 12. Xiaocheng Hu, Weiming Zhang, Xiaolong Li, and Nenghai Yu. Minimum Rate Prediction and Optimized Histograms Modification for Reversible Data Hiding. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 10(3):653–664, MAR 2015.

13. Xiaocheng Hu, Weiming Zhang, and Nenghai Yu. Optimizing Pixel Predictors Based on Self-similarities for Reversible Data Hiding. In Watada, J and Ito, A and Pan, JS and Chao, HC and Chen, CM, editor, 2014 TENTH INTERNATIONAL CONFERENCE ON INTELLIGENT INFORMATION HIDING AND MULTIMEDIA SIGNAL PROCESSING (IIH-MSP 2014), pages 481–484. IEEE Comp Soc; IEEE; Natl Kaohsiung Univ Appl Sci; IEEE Tainan Sect; IEEE Signal Proc Soc, Tainan Chapter; Int Soc Management Engineers; JSPS NSFC NRF A3 Foresight Program Ultra Realist Acoust Interact Commun Next Generat Internet, 2014. 10th International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), Waseda Univ, Kitakyushu, JAPAN, AUG 27-29, 2014.
14. Asifullah Khan, Ayesha Siddiqa, Summuyya Munib, and Sana Ambreen Malik. A recent survey of reversible watermarking techniques. INFORMATION SCIENCES, 279:251–272, SEP 20 2014.
15. Vinoth C. Kumar, V Natarajan, and Santhosh S. Muraledharan. Difference Expansion based Reversible Data Hiding for Medical Images. In 2014 INTERNATIONAL CONFERENCE ON COMMUNICATIONS AND SIGNAL PROCESSING (ICCSP). IEEE; Adhiparasakthi Engn Coll, Dept Elect Commun Engn; IEEE Madras Sect, 2014. 3rd International Conference on Communications and Signal Processing (ICCSP), Melmaruvathur, INDIA, APR 03-05, 2014.
16. Baiying Lei, Ee-Leng Tan, Siping Chen, Dong Ni, Tianfu Wang, and Haijun Lei. Reversible watermarking scheme for medical image based on differential evolution. EXPERT SYSTEMS WITH APPLICATIONS, 41(7):3178–3188, JUN 2014.
17. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. Efficient Reversible Data Hiding Based on Multiple Histograms Modification. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 10(9):2016–2027, SEP 2015.
18. Bin Ma and Yun Q. Shi. A Reversible Data Hiding Scheme Based on Code Division Multiplexing. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 11(9):1914–1927, SEP 2016.
19. Hirak Kumar Maity and Santi P. Maity. PEE based RW using fuzzy conditional entropy for image partitioning. AEUINTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 70(3):211–224, 2016.
20. Santi P. Maity and Hirak Kumar Maity. On adaptive distortion control in reversible watermarking using modified reversible contrast mapping. MULTIMEDIA TOOLS AND APPLICATIONS, 75(13):7931–7956, JUL 2016.
21. Thai-Son Nguyen, Chin-Chen Chang, and Ngoc-Tu Huynh. A novel reversible data hiding scheme based on differencehistogram modification and optimal EMD algorithm. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 33:389–397, NOV 2015.
22. SimYing Ong, KokSheik Wong, Xiaojun Qi, and Kiyoshi Tanaka. Beyond format-compliant encryption for JPEG image. SIGNAL PROCESSING-IMAGE COMMUNICATION, 31:47–60, FEB 2015.
23. Bo Ou, Xiaolong Li, and Jinwei Wang. High-fidelity reversible data hiding based on pixel-value-ordering and pairwise prediction-error expansion. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 39:12–23, AUG 2016.
24. Bo Ou, Xiaolong Li, and Weiming Zhang. PVO-BASED REVERSIBLE DATA HIDING FOR ENCRYPTED IMAGES. In 2015 IEEE CHINA SUMMIT & INTERNATIONAL CONFERENCE ON SIGNAL AND INFORMATION PROCESSING, pages 831–835. IEEE, 2015. IEEE China Summit & International Conference on Signal and Information Processing, Chengdu, PEOPLES R CHINA, JUL 12-15, 2015.
25. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Reversible data hiding using invariant pixel-value-ordering and predictionerror expansion. SIGNAL PROCESSING-IMAGE COMMUNICATION, 29(7):760–772, AUG 2014.
26. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Efficient color image reversible data hiding based on channel-dependent payload partition and adaptive embedding. SIGNAL PROCESSING, 108:642–657, MAR 2015.
27. Tien-Szu Pan, Shaowei Weng, Zhili Zhou, Shu-Chuan Chu, and John F. Roddick. Reversible Watermarking Based on Position Determination and Pixel Pairs. JOURNAL OF INTERNET TECHNOLOGY, 17(4):779–787, JUL 2016.
28. Zhibin Pan, Sen Hu, Xiaoxiao Ma, and Lingfei Wang. Reversible data hiding based on local histogram shifting with multilayer embedding. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 31:64–74, AUG 2015.
29. Fei Peng, Xiaolong Li, and Bin Yang. Improved PVO-based reversible data hiding. DIGITAL SIGNAL PROCESSING, 25:255–265, FEB 2014.
30. Fei Peng, Xiaolong Li, and Bin Yang. AN ADAPTIVE PEE-BASED REVERSIBLE DATA HIDING SCHEME EXPLOITING REFERENTIAL PREDICTION-ERRORS. In 2015 IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA & EXPO (ICME), IEEE International Conference on Multimedia and Expo, 2015. IEEE International Conference on Multimedia & Expo (ICME), Turin, ITALY, JUN 29-JUL 03, 2015.
31. Xiaochao Qu and Hyoung Joong Kim. Pixel-based pixel value ordering predictor for high-fidelity reversible data hiding. SIGNAL PROCESSING, 111:249–260, JUN 2015.
32. Xiaochao Qu, Suah Kim, Run Cui, Fangjun Huang, and Hyoung Joong Kim. Reversible Data Hiding Based on Combined

Predictor and Prediction Error Expansion. In Shi, YQ and Kim, HJ and PerezGonzalez, F and Yang, CN, editor, DIGITALFORENSICS AND WATERMARKING, IWDW 2014, volume 9023 of Lecture Notes in Computer Science, pages 254–265. Natl Taipei Univ Business, 2015. 13th International Workshop on Digital-Forensics and Watermarking (IWDW), Natl Dong Hwa Univ, Taipei, TAIWAN, OCT 01-04, 2014.

33. Yun-Qing Shi, Xiaolong Li, Xinpeng Zhang, Hao-Tian Wu, and Bin Ma. Reversible Data Hiding: Advances in the Past Two Decades. IEEE ACCESS, 4:3210–3237, 2016.
34. Ravi Uyyala, Rajarshi Pal, and Munaga V. N. K. Prasad. Gradient Dependent Reversible Watermarking with Low Embedding Impact. In 2016 3RD INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND INTEGRATED NETWORKS (SPIN), pages 184–189. IEEE UP Sect; IEEE, 2016. 3rd International Conference on Signal Processing and Integrated Networks (SPIN), Amity Univ, Amity Sch Engn & Technol, Noida, INDIA, FEB 11-12, 2016.
35. Ling-ling Wan, Fan Chen, Hong-jie He, and Lei Zhang. REVERSIBLE DATA HIDING SCHEME BASED ON PREDICTION ERROR SORTING AND DOUBLE PREDICTION. In 2015 ASIA-PACIFIC SIGNAL AND INFORMATION PROCESSING ASSOCIATION ANNUAL SUMMIT AND CONFERENCE (APSIPA), pages 630–634. Asia Pacific Signal & Informat Proc Assoc, 2015. Asia-Pacific-Signal-and-Information-Processing-Association Annual Summit and Conference (APSIPA ASC), Hong Kong, PEOPLES R CHINA, DEC 16-19, 2015.
36. Junxiang Wang, Jiangqun Ni, and Yongjian Hu. An efficient reversible data hiding scheme using prediction and optimal side information selection. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 25(6):1425–1431, AUG 2014.
37. Xiang Wang, Jing Ding, and Qingqi Pei. A novel reversible image data hiding scheme based on pixel value ordering and dynamic pixel block partition. INFORMATION SCIENCES, 310:16–35, JUL 20 2015.
38. Shaowei Weng, Yijun Liu, Jeng-Shyang Pan, and Nian Cai. Reversible data hiding based on flexible block-partition and adaptive block-modification strategy. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 41:185–199, NOV 2016.
39. Shaowei Weng and Jeng-Shyang Pan. Adaptive reversible data hiding based on a local smoothness estimator. MULTIMEDIA TOOLS AND APPLICATIONS, 74(23):10657–10678, DEC 2015.
40. Shaowei Weng and Jeng-Shyang Pan. Integer transform based reversible watermarking incorporating block selection. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 35:25–35, FEB 2016.
41. Shaowei Weng and Jeng-Shyang Pan. Reversible watermarking based on two embedding Schemes. MULTIMEDIA TOOLS AND APPLICATIONS, 75(12):7129–7157, JUN 2016.
42. Shaowei Weng, Jeng-shyang Pan, and Leida Li. Reversible data hiding based on an adaptive pixel-embedding strategy and two-layer embedding. INFORMATION SCIENCES, 369:144–159, NOV 10 2016.
43. Hao-Tian Wu, Jiwu Huang, and Yun-Qing Shi. A reversible data hiding method with contrast enhancement for medical images. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, 31:146–153, AUG 2015.
44. Shijun Xiang and Yi Wang. Non-integer expansion embedding techniques for reversible image watermarking. EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, JUL 8 2015.
45. Siren Cai and Xinlu Gui. An efficient reversible data hiding scheme based on reference pixel and block selection. In Jia, KB and Pan, JS and Zhao, Y and Jain, LC, editor, 2013 NINTH INTERNATIONAL CONFERENCE ON INTELLIGENT INFORMATION HIDING AND MULTIMEDIA SIGNAL PROCESSING (IIH-MSP 2013), pages 571–574. IEEE; Natl Kaohsiung Univ Appl Sci; Beijing Wuzi Univ; IEEE Comp Soc; IEEE Signal Proc Soc, Tainan Chapter; IEEE Tainan Sect; IEEE Beijing Sect, 2013. 9th International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), Beijing Univ Technol, Beijing, PEOPLES R CHINA, OCT 16-18, 2013.
46. Xianyi Chen, Xingming Sun, Huiyu Sun, Zhili Zhou, and Jianjun Zhang. Reversible watermarking method based on asymmetric-histogram shifting of prediction errors. JOURNAL OF SYSTEMS AND SOFTWARE, 86(10):2620–2626, OCT 2013.
47. Gouenou Coatrieux, Wei Pan, Nora Cuppens-Boulahia, Frederic Cuppens, and Christian Roux. Reversible Watermarking Based on Invariant Image Classification and Dynamic Histogram Shifting. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 8(1):111–120, JAN 2013.
48. Wenbin Fei and Xianghong Tang. Reversible Text Watermarking Algorithm Using Prediction-error Expansion Method. In Zheng, D and Shi, J and Zhang, L, editor, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMPUTER, NETWORKS AND COMMUNICATION ENGINEERING (ICCNCE 2013), volume 30 of Advances in Intelligent Systems Research, pages 401–405, 2013. International Conference on Computer, Networks and Communication Engineering (ICCNCE), Beijing, PEOPLES R CHINA, MAY 23-24, 2013.
49. Xinlu Gui, Xiaolong Li, and Bin Yang. EFFICIENT REVERSIBLE DATA HIDING BASED ON TWO-DIMENSIONAL

			PIXEL-INTENSITY-HISTOGRAM MODIFICATION. In 2014 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP), International Conference on Acoustics Speech and Signal Processing ICASSP. IEEE, 2014. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Florence, ITALY, MAY 04-09, 2014. 50. Jian Li, Xiaolong Li, and Bin Yang. Reversible data hiding scheme for color image based on prediction-error expansion and cross-channel correlation. SIGNAL PROCESSING, 93(9):2748–2758, SEP 2013. 51. Xiaolong Li, Jian Li, Bin Li, and Bin Yang. High-fidelity reversible data hiding scheme based on pixel-value-ordering and prediction-error expansion. SIGNAL PROCESSING, 93(1):198–205, JAN 2013. 52. Xiaolong Li, Weiming Zhang, Xinlu Gui, and Bin Yang. A Novel Reversible Data Hiding Scheme Based on TwoDimensional Difference-Histogram Modification. IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, 8(7):1091–1100, JUL 2013. 53. Xiaolong Li, Weiming Zhang, Bo Ou, and Bin Yang. A BRIEF REVIEW ON REVERSIBLE DATA HIDING: CURRENT TECHNIQUES AND FUTURE PROSPECTS. In 2014 IEEE CHINA SUMMIT & INTERNATIONAL CONFERENCE ON SIGNAL AND INFORMATION PROCESSING (CHINASIP), pages 426–430. IEEE; Inst Elect & Elect Engineers Signal Proc Soc; NW Polytechn Univ, Shaanxi Key Lab Informat Acquisit & Proc; Natl Nat Sci Fdn China; KC Wong Educ Fdn; Texas Instruments; Xidian Univ, Natl Lab Radar Signal Proc, 2014. 2nd IEEE China Summit / International Conference on Signal and Information Processing (IEEE ChinaSIP), Xian, PEOPLES R CHINA, JUL 09-13, 2014. 54. Rongrong Ni, H. D. Cheng, Yao Zhao, and Lize Chen. ADAPTIVE REVERSIBLE WATERMARKING USING TRIMMED PREDICTION AND PIXEL-SELECTION-BASED SORTING. In 2014 IEEE CHINA SUMMIT & INTERNATIONAL CONFERENCE ON SIGNAL AND INFORMATION PROCESSING (CHINASIP), pages 616–620. IEEE; Inst Elect & Elect Engineers Signal Proc Soc; NW Polytechn Univ, Shaanxi Key Lab Informat Acquisit & Proc; Natl Nat Sci Fdn China; KC Wong Educ Fdn; Texas Instruments; Xidian Univ, Natl Lab Radar Signal Proc, 2014. 2nd IEEE China Summit / International Conference on Signal and Information Processing (IEEE ChinaSIP), Xian, PEOPLES R CHINA, JUL 09-13, 2014. 55. Rongrong Ni, H. D. Cheng, Yao Zhao, and Yu Hou. High Capacity Reversible Watermarking for Images Based on Classified Neural Network. In Kamarainen, JK and Koskela, M, editor, IMAGE ANALYSIS, SCIA 2013: 18TH SCANDINAVIAN 56. CONFERENCE, volume 7944 of Lecture Notes in Computer Science, pages 697–706. Int Assoc Pattern Recognit; IEEE Signal Proc Soc, Finland Sect; Pattern Recognit Soc Finland; Aalto Univ, 2013. 18th Scandinavian Conference on Image Analysis (SCIA), Espoo, FINLAND, JUN 17-20, 2013. 57. Bo Ou, Xiaolong Li, Yao Zhao, and Rongrong Ni. Reversible data hiding based on PDE predictor. JOURNAL OF SYSTEMS AND SOFTWARE, 86(10):2700–2709, OCT 2013. 58. Bo Ou, Xiaolong Li, Yao Zhao, Rongrong Ni, and Yun-Qing Shi. Pairwise Prediction-Error Expansion for Efficient Reversible Data Hiding. IEEE TRANSACTIONS ON IMAGE PROCESSING, 22(12):5010–5021, DEC 2013. 59. Chaiyaporn Panyindee and Chuchart Pintavirooj. Optimizations Using the Genetic Algorithm for Reversible Watermarking. In 2013 10TH INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING/ELECTRONICS, COMPUTER, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY (ECTI-CON). IEEE; IEEE Thailand Sect, 2013. 10th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), Krabi, THAILAND, MAY 15-17, 2013. 60. Junxiang Wang and Jiangqun Ni. A GA Optimization Approach to HS Based Multiple Reversible Data Hiding. In PROCEEDINGS OF THE 2013 IEEE INTERNATIONAL WORKSHOP ON INFORMATION FORENSICS AND SECURITY (WIFS'13), IEEE International Workshop on Information Forensics and Security, pages 203–208. IEEE; IEEE Signal Proc Soc; IEEE Biometr Council, 2013. 5th IEEE International Workshop on Information Forensics and Security (WIFS), Guangzhou, PEOPLES R CHINA, NOV 18-21, 2013.
Automated compensation of light attenuation in confocal microscopy by exact histogram specification	Stefan G Stanciu, George A Stanciu, Dinu Coltuc	5	1. S. Beer, U. Maeder, T. Bergmann, J. M. Burg, M. Fiebich, and F. Runkel. Quantifying fluorescence signals in confocal image stacks deep in turbid media. In Conchello, JA and Cogswell, CJ and Wilson, T and Brown, TG, editor, THREEDIMENSIONAL AND MULTIDIMENSIONAL MICROSCOPY: IMAGE ACQUISITION AND PROCESSING XIX, volume 8227 of Proceedings of SPIE. SPIE, 2012. Conference on Three-Dimensional and Multidimensional Microscopy - Image Acquisition and Processing XIX, San Francisco, CA, JAN 24-26, 2012. 2. Shi-Jie Chang, Shuo Li, Arne Andreasen, Xian-Zheng Sha, and Xiao-Yue Zhai. A Reference-Free Method for Brightness Compensation and Contrast Enhancement of Micrographs of Serial Sections. PLOS ONE, 10(5), MAY 28 2015. 3. Chieh-Li Chen, Hiroshi Ishikawa, Gadi Wollstein, Richard A. Bilonick, Ian A. Sigal, Larry Kagemann, and Joel S. Schuman. Histogram Matching Extends Acceptable Signal Strength Range on Optical Coherence Tomography Images. INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, 56(6):3810–3819, JUN 2015.

			4. Thorsten Schmidt, Jasmin Duerr, Margret Keuper, Thomas Blein, Klaus Palme, and Olaf Ronneberger. Variational attenuation correction in two-view confocal microscopy. BMC BIOINFORMATICS, 14, DEC 18 2013. 5. Stefan G. Stanciu, Shuoyu Xu, Qiwen Peng, Jie Yan, George A. Stanciu, Roy E. Welsch, Peter T. C. So, Gabor Csucs, and Hanry Yu. Experimenting Liver Fibrosis Diagnostic by Two Photon Excitation Microscopy and Bag-of-Features Image Classification. SCIENTIFIC REPORTS, 4, APR 10 2014.
Mathematical complexity of running filters on semi-groups and related problems	Dinu Coltuc	1	1. Liang H, Liu S, Yuan H. Optimal Algorithms for Running Max and Min Filters on Random Inputs. InInternational Computing and Combinatorics Conference 2015 Aug 4 (pp. 507-520). Springer International Publishing.
Modelling of The Photovoltaic Cell Circuit Parameters For Optimum Connection Model and Real-Time Emulator With Partial Shadow Condition	Kadri, R., Andrei, H., Gaubert, JP., Ivanovici, T., Champenoise, G., Andrei, P.,	34	1)Characterization of PV panel and global optimization of its model parameters using genetic algorithm, M.S. Ismail, ,M. Moghavvemi, T.M.I. Mahlia, Energy Conversion and Management –Elsevier, ISSN: 0196-8904, Impact Factor 2.216, Volume 73, September 2013, Pages 10–25. 2) Experimental investigation of partial shading scenarios on PV (photovoltaic) modules, Alberto Dolar, George Cristian Lazaroiu, Sonia Leva, Giampaolo Manzolinia, Energy, Volume 55, 15 June 2013, Pages 466–475, ISSN 0360-5442, indexată ISI, factor impact 4,159. 3) New MPPT method for stand-alone photovoltaic systems operating under partially shaded conditions, Bouilouta, A., Mellit, A., Kalogirou, S.A., Energy 55, pp. 1172-1185, 2013,ISSN 0360-5442, indexată ISI, factor impact 4,159 4) Programmable energy source emulator for photovoltaic panels considering partial shadow effect, Chen, C.-C., Chang, H.-C., Kuo, C.-C.,Lin, C.-C, 2013, Energy 54, pp. 174-183, ISSN 0360-5442, indexată ISI, factor impact 4,159. 5) Energy harvesting from the PV Hybrid Power Source, N. Bizon, 2013, Energy 52, pp. 297-307, ISSN 0360-5442, indexată ISI, factor impact 4,15 6) Modeling and maximum power point tracking (MPPT) method for PV array under partial shade conditions, Qi, J., Zhang, Y., Chen, Y., Renewable Energy, volume 66, issue , year 2014, pp. 337 – 345, ISSN: 0960-1481, factor impact 3,361 7) On-grid and off-grid batch-ED (electrodialysis) process: Simulation and experimental tests, Uche, J., Círez, F., Bayod, A.A., Martínez, A., Energy, volume 57, issue , year 2013, pp. 44 – 54, ISSN 0360-5442, indexată ISI, factor impact 4,159 8) Solar car aerodynamic design for optimal cooling and high efficiency, Vinnichenko, N.A., Uvarov, A.V., Znamenskaya, I.A., Ay, H., Wang, T.-H. Solar Energy, volume 103, issue , year 2014, pp. 183 – 190, ISSN: 0038-092X, impact factor 3.541 9) Design of a Plant Leaf Area Meter Using PV Cell and Embedded Microcontroller, Dilşad Engin, Mustafa Engin, Advances in Materials Science and Engineering, Volume 2013 (2013), Article ID 393045, 8 pages, http://dx.doi.org/10.1155/2013/393045, impact factor 0,5 10) Reconfigurable electrical interconnection strategies for photovoltaic arrays: A review, Damiano La Manna, Vincenzo Li Vigni, Eleonora Riva Sanseverino, Vincenzo Di Dio, Pietro Romano, Renewable and Sustainable Energy Reviews, Volume 33, May 2014, Pages 412–426, impact factor 5.510 11) Analysis of spatial fixed PV arrays configurations to maximize energy harvesting in BIPV applications, Celik, B., Karatepe, E., Silvestre, S., Gokmen, N., Chouder, A. Renewable Energy, volume 75, issue , year 2015, pp. 534 – 540, impact factor 3.36 12) Prediction of current and the maximum power of solar cell via voltage generated by light and irradiance using analytically invertible function, Liu Changshi, Solar Energy, Volume 113, March 2015, Pages 340–346, ISSN: 0038-092X, Impact Factor: 3.541 13) A review of maximum power point tracking techniques for use in partially shaded conditions, Yi-Hua Liu, Jing-Hsiao Chen, Jia-Wei Huang, Renewable and Sustainable Energy Reviews, Volume 41, January 2015, Pages 436–453, ISSN: 1364-0321, impact factor: 5.510 14) A Circuit for Energy Harvesting Using On-Chip Solar Cells, Ghosh, S.; Hsuan-Tsung Wang ; Leon-Salas, W.D., IEEE Transactions on Power Electronics, sept. 2014, Volume: 29 , Issue: 9, Page(s): 4658 – 4671, ISSN: 0885-8993, impact factor 5.726 15) An accurate method for the PV model identification based on a genetic algorithm and the interior-point method, Arash M. Dizqah, Alireza Maheri, Krishna Busawon, Renewable Energy, volume 72, Dec. 2014, indexată ISI, pp. 212-222, ISSN: 0960-1481, factor impact 3,361 16) New procedure and field-tests to assess photovoltaic module performance, M. Paulescu, V. Badescu, C. Dughir, Energy, Volume 70, 1 June 2014, Pages 49–57, ISSN 0360-5442, indexată ISI, factor impact 4,159 17) Energy Harvesting Using Substrate Photodiodes, Pour, G.M. Benyhesan, M.K. ; Leon-Salas, W.D., IEEE Transactions on Circuits and Systems II: Express Briefs, Volume:61, Issue: 7, Page(s):501 – 505, July 2014, ISSN:1549-7747, indexată ISI, factor impact 1,187. 18) Two-Stage Chaos Optimization Search Application in Maximum Power Point Tracking of PV Array, Lihua Wang, Xueye Wei, Tianlong Zhu, and Junhong Zhang, Mathematical Problems in Engineering Volume 2014, Article ID 464835, 11 pages, http://dx.doi.org/10.1155/2014/464835, indexata ISI, impact factor 1.082 19) A novel MPPT (maximum power point tracking) algorithm based on a modified genetic algorithm specialized on tracking the global maximum power point in photovoltaic systems affected by partial shading, S. Daraban, D. Petreus,

			Cristina Morel, Energy, Volume 74, 1 September 2014, Pages 374–388, indexată ISI, factor impact 4,159 20) Faults detection in a photovoltaic generator by using matlab simulink and the chipKIT Max32 board, Khener, R., Mostefai, Benahdouga, S., Maddad, M., International Journal of Photoenergy,2015, indexată ISI, factor impact 2,663 21) Renewable energy emulation concepts for microgrids, Prieto-Araujo, E., Olivella-Rosell, P., Cheah-Mañe, M., Villafafila-Robles, R., Gomis-Bellmunt,O., Renewable & Sustainable Energy Reviews volume 50, issue , year 2015, pp. 325 – 345, indexată ISI, factor impact 5.510 22) Analysis of current and voltages indicators in grid connected PV (photovoltaic) systems working in faulty and partial shading conditions, Silvestre, S., Kichou, S., Chouder, A., Nofuentes, G., Karatepe, E., Energy,2015, indexată ISI, factor impact 4,159 23) Two stages chaos optimization search application in maximum power point tracking of PV array, Wang, L., Wei, X., Zhu, T., Zhang, J., Mathematical problems in Engeneering, 2015, indexată ISI, factor impact 1,082 24) Modeling of photovoltaic system for uniform and non-uniform irradiance: A critical review, Jena, D., Ramana, V.V.Renewable & Sustainable Energy Reviews, volume 52, issue , year 2015, pp. 400 – 417, indexată ISI, factor impact 3,361. 25) A high-accuracy photovoltaic emulator system using ARM processors, Castillo Atoche, A., Vázquez Castillo, J., Ortegón-Aguilar, J., Carrasco-Alvarez, R., Sandoval Gío, J., Colli-Menchi, A., Solar Energy,volume 10, issue , year 2015, pp. 389 – 398, Impact Factor: 3.541 26) Theoretical and experimental analysis of genetic algorithms based MPPT for PV systems, Hadji, S., Gaubert, J.-P., Krim, F., Energy Procedia volume 74, issue , year 2015, pp. 772 – 787, Impact Factor: 0.786. 27) Static Variable Load for Grid-connected Photovoltaic System, Zakaria, L., Tahar, B., Issam, A., Salima, L., Hamza, B., Energy Procedia, volume 74, issue, year 2015, pp. 587 – 596, Impact Factor: 0.786. 28) Design and implementation of a dynamic FPAA based photovoltaic emulator, Balato, M., Costanzo, L., Gallo, D., Landi, C., Luiso, M., Vitelli, M., Solar Energy, volume 123, issue, year 2016, pp. 102 – 115, Impact Factor: 3.541. 29) Performance comparison of three MPPT algorithms: AESC, mESC and P&O, Cristian, H.I., Raducu, M., Proceedings of the 2015 7th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2015, indexata ISI. 30) Nonlinearity analysis of the shading effect on the technical–economic performance of the building-integrated photovoltaic blind, Taehoon Hong, Choongwan Koo, Jeongyoon Oh, Kwangbok Jeon, J. Applied Energy, 2016, ISSN 0306-2619, http://dx.doi.org/10.1016/j.apenergy.2016.05.027, indexată ISI, factor impact 6,222. 31) Universal Transistor-based hardware SIMulator for real time simulation of photovoltaic generators, Zegaoui, A., Aillerie, M., Petit, P., Charles, J.-P.Solar Energy, volume 134, issue , year 2016, pp. 193 – 201, Impact Factor: 3.541. 32) Neural network based global maximum power point tracking under partially shaded conditions, H. Ranjbar, M. Behrooz, A. Deigimi, Conference paper, May 2015, DOI: 10.1109/IranianCEE.2015.7146447, Conference: Electrical Engineering (ICEE), 2015 23rd Iranian Conference on, Impact Factor: 0. 33) Parameter estimation of solar photovoltaic (PV) cells: A review, A. Rezaee Jordehi, Renewable and Sustainable Energy Reviews, http://dx.doi.org/10.1016/j.rser.2016.03.049, 61 (2016), 354-371, Impact Factor 7.896 34) A comprehensive review on solar PV maximum power point tracking techniques, Ram, J.P., Babu, T.S., Rajasekar,N.Renewable & Sustainable Energy Reviews, volume 67, issue , year 2017, pp. 826 – 847, Impact Factor 7.896
Identification of the radial configurations extracted from the weakly meshed structures of electrical distribution systems	Andrei, H., Chicco, G.	7	**1)** Optimal multi-objective distribution system reconfiguration with multi criteria decision making-based solution ranking and enhanced genetic operators, Mazza, A., Chicco, G., Russo, A., International Journal of Electrical Power & Energy Systems, volume 54, issue , year 2014, pp. 255 – 267, indexată ISI, factor impact 2,337 2) An overview of the probability-based methods for optimal electrical distribution system reconfiguration, Chicco, G. ; Mazza, A., 4th International Symposium on Electrical and Electronics Engineering (ISEEE), 2013, 11-13 Oct. 2013, Page(s): 1 – 10, INSPEC Accession Number:13936716, Galati, DOI:10.1109/ISEEE.2013.6674382, Indexat ISI Proceedings 3) Comparison of multi-objective optimization approaches for distribution system reconfiguration, Mazza, A. Chicco, G. ; Russo, A. Published in: PowerTech (POWERTECH), 2013 IEEE Grenoble, Date of Conference:16-20 June 2013 Page(s):1 – 6, INSPEC Accession Number:13882343, Conference Location :Grenoble, DOI:10.1109/PTC.2013.6652482, Publisher: IEEE, Indexat ISI Proceedings 4) Multi-Objective Reconfiguration of Radial Distribution Systems Using Reliability Indices, N. Paterakis, A. Mazza, S.F. Santos, O. Erdinc, G. Chicco, A. Bakirtzis, IEEE Transactions on Power Systems (Impact Factor: 3.53). 01/2015; DOI: 10.1109/TPWRS.2015.2425801 5) On the Use of Graph Theory for Railway Power Supply Systems Characterization, Pablo Arboleya, Manuel Coto, C. Gonzalez-Moran, Intelligent Industrial Systems 05/2015; DOI: 10.1007/s40903-015-0007-8, pp.2-13, Impact Factor: 1,411. 6) Effects of demand response programs on distribution system operation, Gutiérrez-Alcaraz, G., Tovar-Hernández, J.H., Lu, C.-N. International Journal of Electrical Power & Energy Systems volume 74, issue , year 2016, pp. 230 – 237, Impact Factor: 2,337. 7) Smart LV Distribution Networks: An Approach for Power Flow Formulation with Smart Home Models, E. Bernal, J. Xie, 2015 IEEE

			6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), Date 22-25 June 20, DOI: 10.1109/PEDG.2015.7223082, Impact Factor: 0.
PV module parameter characterization from the transient charge of an external	Spertino, F., Sumaili, J., Andrei, H., Chicco, G.,	13	1) Power conditioning units in grid-connected photovoltaic systems: A comparison with different technologies and wide range of power ratings, Spertino, F., Graditi, G., Solar Energy, volume 108, issue , year 2014, pp. 219 - 229 indexată ISI, factor impact 3,541 2) Experimental Indicators of Current Unbalance in Building-Integrated Photovoltaic Systems, Chicco, G. ; Corona, F. ; Porumb, R. ; Spertino, F., IEEE Journal of Photovoltaics, Volume:4 , Issue: 3, Page(s):924 – 934 ISSN :2156-3381, INSPEC Accession Number:14239104, DOI:10.1109/JPHOTOV.2014.2307491 May 2014, indexat ISI, impact factor 3 3) A power and energy procedure in operating photovoltaic systems to quantify the losses according to the causes, Spertino, F., Ciocia, A., Di Leo, P., Tommasini, R., Berardone, I., Corrado, M., Infuso, A., Paggi, M., Solar Energy, volume 118, issue , year 2015, pp. 313 – 326, indexat ISI, impact factor 3,541. 4) Capacitor charging method for I-V curve tracer and MPPT in photovoltaic systems, Spertino, F.,Ahmad, J.,Ciocia, A., Murtaza, A.F.,Chiaberge, M. , Sept. 2015. Solar Energy, vol 119, pp.461-473, impact factor 3,541. 5) Comparative Analysis of Different Single-Diode PV Modeling Methods, Shongwe, S.,Hanif, M., 2015, IEEE Journal of Photovoltaics, vol.5, issue 3, pp. 938-946, impact factor 3 6) Testing and experimental study on output characteristic curve of photovoltaic cell, Hu, L.,Wei, X.,Zhang, J.,Ma, J., 2015, Beijing Jiaotong Daxue Xuebao/Journal of Beijing Jiaotong University 7) Gauss-Seidel Iteration Based Parameter Estimation for a Single Diode Model of a PV Module, M. Hanif, S.Shongwe, Conference Paper · October 2015, DOI:10.1109/EPEC.2015.7379963, conference: IEEE EPEC 2015, At London, Canada. 8) Development of an outdoor photovoltaic module test platform, Quanxin Zhai, Xiang Wang, Jing Mao, Kun Ding, IET Power Electronics 9(8) · March 2016, DOI: 10.1049/iet-pel.2015.0355, impact factor 1.683 9) Comprehensive overview of grid interfaced solar photovoltaic systems, Mahela, O.P., Shaik, A.G. Renewable & Sustainable Energy Reviews, volume 68, issue , year 2017, pp. 316 – 332, Impact Factor 7.896 10) MPPT technique based on improved evaluation of photovoltaic parameters for uniformly irradiated photovoltaic array, Murtaza, A.F., Chiaberege, M., Spertino, F., Boero, D., De Giuseppe, M., Electric Power Systems Research, volume 145, April 2017, pp. 248 – 263, Impact Factor 2.066 11) A global MPPT algorithm for existing PV system mitigating suboptimal operating conditions, Yeung, R.S., Chung, H.S., Tse, N.C., Chuang, S.T.-H., Solar Energy, January 2017, pp. 316 – 332, Impact Factor 3.541. 12) Control and modulation techniques for a centralized PV generation system grid connected via an interleaved inverter, Brando, G., Dannier, A., Del Pizzo, A., Spina, I., Applied Sciences (Switzrerland), Sept 2016, 6, 261, doi:10.3390/app6090261, Impact Factor 1.773. 13) New start-up scheme for HF transformer link photovoltaic inverter, Kulkarni, A., John, V., Conf Proc. – IEEE Applied Power Electronics Conference and Exposition- APEC, 2016, Impact Factor 0.
The minimum energetical principle in electric and magnetic circuits	H Andrei, F Spinei,	2	1) Non-Segmented Grain Oriented Steel in Induction Machines, B. Cassoret, S. Lopez, J.-F. Brudny, T. Belgrand, Progress in Electromagnetics Research C, Vol. 47, 2014, pp. 1-10, ISSN: 1937-8718, indexată ISI, impact factor 1,5 2) Induction machine magnetic noise: Impact of a new stator magnetic circuit design, Jean-François Brudny, Cristian Demian, Lucian Petrea, Thierry Belgrand, Mathematics and Computers in Simulation, Volume 90, April 2013, Pages 192–204, ELECTRIMACS 2011-PART I, Impact Factor: 0.856, ISSN: 0378-4754
Analysis and experimental verification of the sensitivity of PV cell model parameters	H Andrei, T Ivanovici, E Diaconu, MR Ghita, Oana Marin, PC Andrei	1	1) Neural Network-Based Low-Cost Solar Irradiance Sensor, Mancilla-David, F. Riganti-Fulginei, F. Laudani, A. Salvini, A., IEEE Transactions on Instrumentation and Measurement, Volume:63, Issue: 3, Page(s):583 – 591, ISSN:0018-9456, INSPEC Accession Number: 14078043, DOI:10.1109/TIM.2013.2282005, March 2014, indexat ISI, factor impact 1,710
Irradiance sensitivity of the model parameters of photovoltaic cells	H. Andrei, T. Ivanovici, G. Predusca, P.C. Andrei, E. Diaconu,	1	1) The parameters-test of photovoltaic effect and the performance analysis of PV power system, Aimin An; Liwen Chen ; Haocheng Zhang ; Bing Lv ; Xichao Zhou, IEEE-33rd Chinese Control Conference (CCC), 28-30 July 2014, Page(s):7022 – 7026, INSPEC Accession Number:14582933, Nanjing, DOI:10.1109/ChiCC.2014.6896159, indexat ISI Proceedings
Measurement data analysis of power quality and energy efficiency for residential loads sector	H Andrei, FO Marin, MR Ghiţă, Gh Nicolaescu, L Nastase, PC Andrei,	1	1) A Comparative Assessment of Ways of Regulating Heat Consumption, V. P. Chipulis, Measurement Techniques, December 2014, Volume 57, Issue 9, pp 1023-1031, ISSN: 0543-1972 (print version), ISSN: 1573-8906 (electronic version), Indexat ISI, impact factor 0,191
A Comprehensiv Assesment of the Solutions	Andrei, H., Caciula, I, Chicco, G.,	1	1) Contingency Assessment and Network Reconfiguration in Distribution Grids Including Wind Power and Energy Storage, Pilar 1) Meneses De Quevedo, J. Contreras, Marcos J. Rider, Javad Allahdadian, IEEE Transactions on Sustainable Energy 6(4):1-10 · October

of the Distribution System minimum loss reconfiguration problem			2015, DOI: 10.1109/TSTE.2015.2453368, indexat ISI, impact factor 3,727
Study on the progress of Learning Strategy in Education as Result of New Concepts Developed by European Projects	Gorghiu, G., Andrei, H., Gorghiu, L.M., Popovici, D., Jiga, G.,	1	1) Mobile Phone in the Modern Teaching of Physics, M. Oprea, Cristina Miron, Romanian Reports in Physics, Vol. 66, No. 4, P. 1236–1252, 2014, ISSN 1221-1451, indexat ISI, impact factor 0,391
Electrode for Free-Fall Electrostatic Separator	Oprescu, C., Subhankar, D., Samuila, A., Andrei, H., Dascalescu, L,	1	1) Studies on the effect of electrode plate position and feed temperature on the tribo-electrostatic separation of high ash Indian coking coal, R.K. Dwari, S.K. Mohanta, B. Rout, R.K. Soni, P.S.R. Reddy, B.K. Mishra, Advanced Powder Technology, Volume 26, Issue 1, January 2015, Pages 31–41, ISSN: 0921-8831, indexat ISI, impact factor 1,642
Measurement analysis of an advanced control system for reducing the energy consumption of public street lighting systems	Andrei, H. Cepisca, C. ; Dogaru-Ulieru, V. ; Ivanovici, T. ; Stancu, L. ; Andrei, P.C.,	1	1) Measurement of power characteristics in public lighting networks, Peter JANIGA, Dionýz GAŠPAROVSKÝ, PRZEGLĄD ELEKTROTECHNICZNY, ISSN 0033-2097, R. 89 nr. 6/2013, indexat ISI, factor impact 0,242
About the Efficiency of Real Time Sequences FFT Computing	Costin Cepisca, Sorin Dan Grigorescu, Mircea Covrig, Horia Andrei,	2	1) A Novel Accelerating Algorithm and Its Implement in Real Sequence FFT, Hong-gui Deng, Sheng-wei Guo, Jian Duan, International Journal of Sciences Research Article (ISSN 2305-3925) Volume 2, Issue Apr 2013, pp.84-88 2) A Computational Method of Real-valued Discrete Fourier Series Transform (real-DFST) and Application, Seung-Mok Lee, Jae Kwon Eem, JKIIT, Vol.11, No.11), 2013.11, 83-89
Modeling of the PV panels circuit parameters using the 4-terminals equations and Brune's conditions	Horia Andrei, Costin Cepisca, SD Grigorescu, Traian Ivanovici, Paul Andrei	1	1) Parameter estimation of solar photovoltaic (PV) cells: A review, A. Rezaee Jordehi, Renewable and Sustainable Energy Reviews, http://dx.doi.org/10.1016/j.rser.2016.03.049, 61 (2016), 354-371, Impact Factor 7.896
Contributions Concerning the Measurements using LabVIEW in Steady State Nonsinusoidal Regime	H. Andrei, C. Cepisca, F. Spinei, S.D. Grigorescu, N. Jula and V. Dogaru	1	1) The Investigation of Marble Cutting Parameters for Energy Consumption, H. Çimen, Said M Çinar, and M. Nartkaya, Int. Journal of Mathematical Models and Methods in Applied Science, Issue 4, Vol. 2, 2008, pp. 463-472, indexat ISI, impact factor 0,974
Determination of the Relevant Time Periods for Intra-Day Distribution System Minimum Loss Reconfiguration	A. Mazza A, Chicco G, Andrei H, Rubino M,	1	1) Sea-wave power converter modeling for fault conditions analysis, F. de Bosio, M. Pastorelli, A. Mazza, G. Chicco, G. Bracco, E. Giorcelli, G. Mattiazzo, M. Ruffero, Conference paper, PowerTech, June, 2015, indexat ISI
Exploring virtual experiments in secondary school sciences lessons	Gorghiu, G., Bizoi, M., Suduc, A., Gorghiu, L.M., Tlaczala, W., Andrei, H., Popovici, D., Jiga, G.,	1	1) Dynamic visualization in the virtual laboratory enhances the fundam ental understanding of chemical concepts, Natasa Rizman Herga, S.A. Glazar, D. Dinevski, Journal of Baltic Science Education 14(3):351-365, July 2015 indexat ISI, factor impact 0.43
Evaluation of Hilbert Space Techniques and Lagrange's Method for the Analysis of Dissipated	Andrei, H, Spinei, F., Andrei, P., Rohde, U., Silaghi, M., Silaghi, H.,	1	1) About the oscillator basics and low-noise techniques for microwave oscillators and VCOs, U. Rohde, Helga Silaghi, M. Silaghi, Conference: Proceedings of the 11th WSEAS International Conference on Automation & Information, June 2010, indexat ISI

Power in DC			
Dynamic voltage restorer response analysis for voltage sags mitigation in MV networks with secondary distribution configuration	Gh. Nicolaescu, H.Andrei, S. Radulescu,	2	1) Fuzzy Logic Controlled DC-DC Converter Based Dynamic Voltage Restorer, M. Inci, T. Demirdelen, M. Tumay, Journal of Electrical Systems, 12/2015, 11(4), p. 367-375. indexat ISI, impact factor 0.0. 2) The performance improvement of dynamic voltage restorer based on bidirectional dc–dc converter, M. Inci, K.C. Baiyndir, M. Tumay, Electrical Engineering · September 2016, DOI: 10.1007/s00202-016-0422-1, indexat ISI, impact factor 0.662
Modeling and simulation of dynamic voltage restorer for voltage sags mitigation in medium voltage networks with secondary distribution configuration	Gh. Nicolaescu, H.Andrei, S. Radulescu,	1	1) The performance improvement of dynamic voltage restorer based on bidirectional dc–dc converter, M. Inci, K.C. Baiyndir, M. Tumay, Electrical Engineering · September 2016, DOI: 10.1007/s00202-016-0422-1, indexat ISI, impact factor 0.662
New approach of PV cell efficiency	H. Andrei, Gh.I. Nicolaescu, S. Radulescu, P.C. Andrei,	1	1) Thermal-electrical model for energy estimation of a water cooled photovoltaic module, F. Spertino, A. D'Angola, Diana Enescu, R. Zaffin, Solar Energy 133:119-140, August 2016, DOI: 10.1016/j.solener.2016.03.055, indexat ISI, impact factor 3.541
Pseudo Affine Projection Algorithms for Multichannel Active Noise Control	F. Albu, M. Bouchard, Y. Zakharov	5	[1] Advances in active noise control: A survey, with emphasis on recent nonlinear techniques Nithin George, Ganapati Panda, *Signal Processing*, 93 (2), pp. 363-377, 2013 [2] Cancellation of Powerline Interference from Biomedical Signals Using an Improved Affine Projection Algorithm, A. M. Torres, J. Mateo, M. A. García, J. L. Santos, *Circuits, Systems, and Signal Processing,* September 2014 [3] A two-sensor Gauss–Seidel fast affine projection algorithm for speech enhancement and acoustic noise reduction, Ilyes Darazirar, Mohamed Djendi, Applied Acoustics, Volume 96, September 2015, Pages 39–52 [4] A New Efficient Filtered-x Affine Projection Sign Algorithm for Active Control of Impulsive Noise Longshuai Xiao, Ming Wu, Jun Yang, *Signal Processing, 2015,* Vol. 120, March 2016, Pages 456–461 [5] A Simplified Subband ANC Algorithm without Secondary Path Modeling, Min Gao, Jing Lu, Xiaojun Qiu, *IEEE Transactions on audio, speech, and language processing, 2016*
Coordinate descent iterations in fast affine projection algorithm	Y. Zakharov and F. Albu	4	[1] A fast exact filtering approach to a family of affine projection-type algorithms, Feiran Yang, Ming Wu, Jun Yang, Zheng Kuang; *Signal Processing,* Volume 101, August 2014, Pages 1–10 [2] Low-complexity implementation of the improved multiband-structured subband adaptive filter algorithm, Yang F., Wu, M., Ji, P., Yang, J.,*IEEE Transactions on Signal Processing* 2015,vol. 63, Issue 19, pp. 5133-5148 [3] Single-carrier underwater acoustic communication combined with channel shortening and dichotomous coordinate descent recursive least squares with variable forgetting factor. ,Zhang, Y., Liu, L., Sun, D., & Cui, H., *IET Communications*, 9(15), 2015, pp. 1867-1876. [4] Variable Forgetting Factor l1-norm Penalized Widely Linear RLS Algorithm using Dichotomous Coordinate Descent Iterations for Underwater Acoustic Communication, Lu Liu, Youwen Zhang, Dajun Sun, *IET Communications, 2016*
Fast block exact Gauss-Seidel pseudo affine projection algorithm	F. Albu, H.K. Kwan	1	[1] A two-sensor Gauss–Seidel fast affine projection algorithm for speech enhancement and acoustic noise reduction, Ilyes Darazirar, Mohamed Djendi,Applied Acoustics, Volume 96, September 2015, Pages 39–52
The Gauss-Seidel fast affine projection algorithm for multichannel active noise control and sound reproduction systems	M. Bouchard, F. Albu	2	[1] A two-sensor Gauss–Seidel fast affine projection algorithm for speech enhancement and acoustic noise reduction, Ilyes Darazirar, Mohamed Djendi, Applied Acoustics, Volume 96, September 2015, Pages 39–52 [2] The Random Walk Model Kalman Filter in Multichannel Active Noise Control, Lopes, P.A.C.; Gerald, J.A.B. ; Piedade, M.S., IEEE Signal Processing Letters, Vol. 22, Issue: 12, pp. 2244 - 2248, Dec. 2015
Modified Gauss-Seidel affine projection algorithm for acoustic echo cancellation	F. Albu, C. Kotropoulos	4	[1] Nonlinear System Identification using IIR Spline Adaptive Filters, Michele Scarpiniti, Danilo Comminiello, Raffaele Parisi, Aurelio Uncini , *Signal Processing,* Vol. 108, March 2015, pp. 30-35 [2] A two-sensor Gauss–Seidel fast affine projection algorithm for speech enhancement and acoustic noise reduction, Ilyes Darazirar, Mohamed Djendi, Applied Acoustics, Volume 96, September 2015, Pages 39–52 [3] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes

			C Ren, Z Wang, Z Zhao, *Digital Signal Processing, 2016* [4] Affine projection algorithm for acoustic feedback cancellation using prediction error method in hearing aids, Linh Tran, Hai Dam, Sven Nordholm, *IWAENC 2016*
A low-cost and fast convergence Gauss-Seidel pseudo affine projection algorithm for multichanel active noise control	F. Albu, and M. Bouchard	1	[1] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, *Digital Signal Processing, 2016*
Combined echo and noise cancellation based on Gauss-Seidel pseudo affine projection algorithm	F. Albu, H.K. Kwan	1	[1] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, *Digital Signal Processing, 2016*
The Gauss-Seidel pseudo affine projection algorithm and its application for echo cancellation	F. Albu, and A. Fagan	4	[1] A two-sensor Gauss–Seidel fast affine projection algorithm for speech enhancement and acoustic noise reduction, Ilyes Darazirar, Mohamed Djendi, Applied Acoustics, Volume 96, September 2015, Pages 39–52 [2] Variable step-size affine projection sign algorithm using selective input vectors, SH Kim, JJ Jeong, JH Choi, SW Kim, *Signal Processing*, 2015, vol. 115, pp. 151-156 [3] Robust Variable Step-Size Decorrelation Normalized Least-Mean-Square Algorithm and its Application to Acoustic Echo Cancellation, Sheng Zhang, Jiashu Zhang, and Hongyu Han, *IEEE Transactions on audio, speech, and language processing, 2016* [4] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, *Digital Signal Processing, 2016*
A proportionate affine projection algorithm using dichotomous coordinate descent iterations	C. Stanciu , C. Anghel , C. Paleologu , J. Benesty, F. Albu and S. Ciochina	6	[1] Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms Zakharov, Y.; Nascimento, V.H., *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol:22, Issue: 12, pp. 1815 - 1824, (2014) [2] Single-carrier underwater acoustic communication combined with channel shortening and dichotomous coordinate descent recursive least squares with variable forgetting factor. , Zhang, Y., Liu, L., Sun, D., & Cui, H. , *IET Communications*, 9(15), 2015, pp. 1867-1876. [3] A low complexity reweighted proportionate affine projection algorithm with memory and row action projection, Jianming Liu, Steven L. Grant, Jacob Benesty, EURASIP Journal on Advances in Signal Processing, December 2015 [4] An efficient implementation of the memory improved proportionate affine projection algorithm G.O. Glentis, *Signal Processing*, vol. 118, pp. 25-35, 2016 [5] A Band-independent Variable Step Size Proportionate Normalized Subband Adaptive Filter Algorithm, Yi Yu and Haiquan Zhao, *International journal of electronics and communications, 2016* [6] Variable Forgetting Factor l1-norm Penalized Widely Linear RLS Algorithm using Dichotomous Coordinate Descent Iterations for Underwater Acoustic Communication, Lu Liu, Youwen Zhang, Dajun Sun, *IET Communications, 2016*
The Multichannel Gauss-Seidel Fast Affine Projection Algorithm for Active Noise Control	M. Bouchard, and F. Albu	1	[1] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, *Digital Signal Processing, 2016*
The Gauss-Seidel Fast Affine Projection Algorithm	F. Albu, J. Kadlec, N. Coleman, A. Fagan	5	[1] A Combined Approach for Channel Decorrelation in Stereo Acoustic Echo Cancellation Exploiting Time-Varying Frequency Shifting., Laura Romoli, Stefania Cecchi, Francesco Piazza *IEEE Signal Process. Lett*. 20(7): 717-720 (2013), **[2]** A fast exact filtering approach to a family of affine projection-type algorithms, Feiran Yang, Ming Wu, Jun Yang, Zheng Kuang; *Signal Processing,* Volume 101, August 2014, Pages 1–10 [3] A two-sensor Gauss–Seidel fast affine projection algorithm for speech enhancement and acoustic noise reduction, Ilyes Darazirar, Mohamed Djendi, Applied Acoustics, Volume 96, September 2015, Pages 39–52 [4] Low-complexity implementation of the improved multiband-structured subband adaptive filter algorithm, Yang F., Wu, M., Ji, P., Yang, J., *IEEE Transactions on Signal Processing* 2015, vol. 63, issue 19, pp. 5133-5148 [5] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, *Digital Signal Processing, 2016*
FPGA implementation of	C. Stanciu , C. Anghel ,	1	[1] Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms, Zakharov, Y.; Nascimento, V.H., *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol:22, Issue: 12, pp. 1815 - 1824, (2014)

an efficient proportionate affine projection algorithm for echo cancellation	C. Paleologu , J. Benesty, F. Albu and S. Ciochina		
Low Complexity Global Motion Estimation Techniques for Image Stabilization	F. Albu, C. Florea , A. Zamfir, A. Drimbarean	1	[1] Proposal of a universal test scene for depth map evaluation, Andorko, I., Corcoran, P., Bigioi, A.P., *IEEE Transactions on Consumer Electronics,* Vol. 59, (2), May 2013, pp. 385 – 390,
New proportionate affine projection algorithm	F. Albu	1	[1] Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms Zakharov, Y.; Nascimento, V.H., *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol:22, Issue: 12, pp. 1815 - 1824, (2014)
Low Complexity Global Motion Estimation Techniques for Image Stabilization	F. Albu, C. Florea , A. Zamfir, A. Drimbarean	2	[1] Proposal of a universal test scene for depth map evaluation, Andorko, I., Corcoran, P., Bigioi, A.P. *IEEE Transactions on Consumer Electronics,* Vol. 59, (2), May 2013, pp. 385 – 390 [2] Video stabilization by estimation of similarity transformation from integral projections, Veldandi, M. ; Ukil, S. ; Rao, K.G., *IEEE International Conference on Image Processing (ICIP) 2013*, pp. 785 – 789
A Variable Step Size Evolutionary Affine Projection Algorithm	F. Albu, C. Paleologu, J. Benesty	1	[1] Variable step-size affine projection algorithm based on global speech absence probability for adaptive feedback cancellation, Young-Sear Kim, Ji-hyun Song, Sang-Kyun Kim, Sangmin Lee, *Journal of Central South University*, February 2014, Volume 21, Issue 2, pp 646-650
An Efficient Multichannel Filtered-X Affine Projection Algorithm	F. Albu	1	[1] Advances in active noise control: A survey, with emphasis on recent nonlinear techniques, Nithin George, Ganapati Panda, *Signal Processing*, 93 (2), pp. 363-377, 2013
Memory Improved Proportionate Affine Projection Sign Algorithm	F. Albu, H.K. Kwan	7	[1] Continuous mixed p-norm adaptive algorithm for system identification, Hadi Zayyani, *IEEE Signal Processing Letters 21*(9):1108-1110 (2014) [2] Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms, Zakharov, Y.; Nascimento, V.H., *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol:22, Issue: 12, pp. 1815 - 1824, (2014) [3] Memory improved proportionate M-estimate affine projection algorithm, Zongsheng Zheng and Haiquan Zhao, *Electronics Letters*, Volume 51, Issue 6, 19 March 2015, p. 525 – 526 [4] Sparseness-controlled proportionate affine projection sign algorithms for acoustic echo cancellation, Yi Hu, Haiquan Zhao, Badong Chen, *Circuits, Systems and Signal Processing*, December 2015, vol. 34, issue 12, pp. 3933-3948 [5] Block Sparse Memory Improved Proportionate Affine Projection Sign Algorithm, J. Liu, and S. L. Grant, *Electronics Letters 2015, vol. 51, Issue 24, pp. 2001-2003* [6] Robust Huber M-estimator based proportionate affine projection algorithm with variable cutoff updating, Chao Wu; Xiaofei Wang; Yanmeng Guo; Qiang Fu; Yonghong Yan, *Electronics Letters, DOI: 10.1049/el.2015.3149, 2015,* vol. 51, Issue 25, pp. 2113-2115 [7] Steady-state analysis of sparsity-aware affine projection sign algorithm for impulsive environment, S. Radhika, A. Sivabalan, *Circuits, System and Signal Processing, 2016*
Modified Filtered-X Dichotomous Coordinate Descent Recursive Affine Projection Algorithm	F. Albu, C. Paleologu, Y. V. Zakharov	1	**[1]** A fast exact filtering approach to a family of affine projection-type algorithms, Feiran Yang, Ming Wu, Jun Yang, Zheng Kuang; *Signal Processing,* Volume 101, August 2014, Pages 1–10 (2014)
A Proportionate Affine Projection Algorithm using Fast Recursive Filtering and Dichotomous Coordinate Descent Iterations	F. Albu	3	**[1]** A fast exact filtering approach to a family of affine projection-type algorithms, Feiran Yang, Ming Wu, Jun Yang, Zheng Kuang; *Signal Processing,* Volume 101, August 2014, Pages 1–10 (2014) [2] Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms, Zakharov, Y.; Nascimento, V.H., *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol:22, Issue: 12, pp. 1815 - 1824, (2014) [3] A Band-independent Variable Step Size Proportionate Normalized Subband Adaptive Filter Algorithm, Yi Yu and Haiquan Zhao, *International journal of electronics and communications, 2016*
A low complexity proportionate affine	F. Albu, C. Paleologu, J. Benesty, and S.	6	[1] Acoustic Echo Cancellation Using a Vector-Space-Based Adaptive Filtering Algorithm, Yu Tsao, Shih-Hau Fang, and Yao Shiao *IEEE Signal Processing Letters, 22(3),* pp. 351-355, (2015)

projection algorithm for echo cancellation	Ciochina		[2] Fast Implementation of a Family of Memory Proportionate Affine Projection Algorithm, Feiran Yang, Jun Yang, ICASSP 2015 [3] Theory of affine projection algorithms for adaptive filtering , Kazuhiko Ozeki, *Springer, Mathematics for industry,* vol. 22, pp. 187-204, 2015 [4] An efficient implementation of the memory improved proportionate affine projection algorithm, G.O. Glentis, *Signal Processing*, vol. 118, pp. 25-35, 2016 [5] A Band-independent Variable Step Size Proportionate Normalized Subband Adaptive Filter Algorithm, Yi Yu and Haiquan Zhao, *International journal of electronics and communications, 2016* [6] Low-Complexity l0-Norm Penalized Shrinkage Linear and Widely Linear Affine Projection Algorithms, Youwen Zhang, Shuang Xiao, Dajun Sun, Lu Liu,*Circuits, Systems, and Signal Processing, pp 1–24, 2016*
Intermittently updated simplified proportionate affine projection algorithm	F. Albu, H. Coanda, D. Coltuc, and M. Rotaru	1	[1] Acoustic Echo Cancellation Using a Vector-Space-Based Adaptive Filtering Algorithm, Yu Tsao, Shih-Hau Fang, and Yao Shiao *IEEE Signal Processing Letters, 22(3),* pp. 351-355*,* (2015)
An Efficient Variable Step-Size Proportionate Affine Projection Algorithm	C. Paleologu, J. Benesty, F. Albu, S. Ciochina	6	[1] A variable step-size zero attracting proportionate normalized least mean square algorithm, Rajib Lochan Das, Mrityunjoy Chakraborty, Proc. of IEEE ISCAS pp. 1187 - 1190 (2014) [2] Acoustic Echo Cancellation Using a Vector-Space-Based Adaptive Filtering Algorithm, Yu Tsao, Shih-Hau Fang, and Yao Shiao IEEE Signal Processing Letters, 22(3), pp. 351-355, (2015) [3] Zero attracting PNLMS algorithm and its convergence in mean, Rajib Lochan Das and Mrityunjoy Chakraborty, arxiv.org, 2015 [4] Theory of affine projection algorithms for adaptive filtering , Kazuhiko Ozeki, *Springer, Mathematics for industry, vol. 22, pp. 187-204, 2015* [5] A Band-independent Variable Step Size Proportionate Normalized Subband Adaptive Filter Algorithm, Yi Yu and Haiquan Zhao, International journal of electronics and communications, 2016 [6] Improving the Performance of the PNLMS Algorithm Using l1 Norm Regularization, Rajib Das ; Mrityunjoy Chakraborty, IEEE/ACM Transactions on Audio, Speech, and Language Processing, 2016
Improved variable forgetting factor recursive least square algorithm	F. Albu	2	[1] A Practical Variable Forgetting Factor Recursive Least-Squares Algorithm, C. Paleologu, J. Benesty, and S. Ciochina , Proc. of IEEE ISETC 2014, Timisoara, November 2014. [2] Adaptive Impedance Controller for a Robot Astronaut to Climb Stably in a Space Station, Bo Wei, Zhihong Jiang, Hui Li, Que Dong, Wencheng Ni and Qiang Huang, International Journal of Advanced Robotic Systems, ISSN 1729-8806, May 4, 2016
Simplified proportionate affine projection algorithm	F. Albu	1	[1] Theory of affine projection algorithms for adaptive filtering, Kazuhiko Ozeki, *Springer, Mathematics for industry, vol. 22, pp. 187-204, 2015*
Evolutionary and variable step size affine projection algorithms for active noise control	A. Gonzales, F. Albu, M. Ferrer, M. Diego	2	[1] Sparsity-aware filtered-x affine projection algorithms for active noise control, Amelia Gully, Rodrigo C. De Lamare;, Proc. of ICASSP 2014,pp. 6707-6711 (2014) **[2]** An optimal variable step-size affine projection algorithm for the modified filtered-x active noise control**,** Ju-man Song, PooGyeon Park, *Signal Processing, vol. 114, pp. 100-111, 2015*
A Variable Step Size Modified Decorrelated NLMS Algorithm for Adaptive Feedback Cancellation in Hearing Aids	M. Rotaru, F. Albu, H. Coanda	4	**[1]** Sub-band feedback cancellation with variable step sizes for music signals in hearing aids, Strasser Falco, Henning Puder, *IEEE ICASSP 2014*, pp. 8207–8211, (2014) [2] Adaptive Feedback Cancellation for Realistic Hearing Aid Applications, Strasser Falco, Henning Puder, IEEE/ACM Transactions on Audio, Speech, and Language Processing, Vol. 23, Issue: 12, pp. 2322 - 2333, Dec 2015 [3] An improved block adaptive system for effective feedback cancellation in hearing aids, Vasundhara, Ganapati Panda, N.B. Puhan, Digital Signal Processing, vol. 48, pp. 216-225, Jan. 2016 **[1]** Improving adaptive feedback cancellation in hearing aids using an affine combination of filters, Henning Schepker, Linh T. T. Tran, Sven Nordholm and Simon Doclo, *IEEE ICASSP 2016*, pp. , (2016)

Variable-Forgetting Factor RLS for Stereophonic Acoustic Echo Cancellation with Widely Linear Model	C. Stanciu, C. Paleologu, J. Benesty, T. Gänsler, S. Ciochina, and F. Albu	2	**[1]** New efficient adaptive fast transversal filtering (FTF)-type algorithms for mono and stereophonic acoustic echo cancelation, Djendi, M., *Int. J. Adapt. Control Signal Process*. (2014) doi: 10.1002/acs.2470 [2] Variable Forgetting Factor l1-norm Penalized Widely Linear RLS Algorithm using Dichotomous Coordinate Descent Iterations for Underwater Acoustic Communication, Lu Liu, Youwen Zhang, Dajun Sun, IET Communications, 2016
New filtered-x recursive least square algorithms for active noise control	F. Albu, C. Paleologu	1	[1] A recursive least square algorithm for active control of mixed noise, Lifu Wu, Xiaojun Qiu, Ian S. Burnett, Yecai Guo, Journal of Sound and Vibration, Volume 339, 17 March 2015, Pages 1–10
Regularization of the improved proportionate affine projection algorithms	C. Paleologu, J. Benesty, F. Albu	3	[1] Theory of affine projection algorithms for adaptive filtering, Kazuhiko Ozeki, *Springer, Mathematics for industry, vol. 22, pp. 187-204, 2015* [2] An efficient implementation of the memory improved proportionate affine projection algorithm, G.O. Glentis, Signal Processing, vol. 118, pp. 25-35, 2016 [3] Tutorial on Stochastic Simulation and Optimization Methods in Signal Processing, Marcelo Pereyra, Philip Schniter, Emilie Chouzenoux, Jean-Christophe Pesquet,Jean-Yves Tourneret, Alfred Hero, and Steve McLaughlin, IEEE Journal of Selected Topics in Signal Processing, Vol. 10, (2), pp. 224 - 241, 2016
New variable step size affine projection algorithms	F. Albu, C. Paleologu, S. Ciochina	4	[1] Acoustic Feedback Cancellation in Hearing Aids Using Two Microphones Employing Variable Step Size Affine Projection Algorithms, L.T.T. Tran, S. Nordholm, H. H. Dam, W. Y. Yan and C.R. Nakagawa, in Proc. of IEEE DSP 2015, pp. 1191-1195 [2] Error-dependent step-size control of adaptive normalized least-mean-square filters used for nonlinear acoustic echo cancellation, C Contan, BS Kirei, MD Topa, Signal, Image and Video Processing, 2015 [3] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, Digital Signal Processing, 2016 [4] Affine projection algorithm for acoustic feedback cancellation using prediction error method in hearing aids, Linh Tran, Hai Dam, Sven Nordholm, IWAENC 2016
Variable Step Size Dichotomous Coordinate Descent Affine Projection Algorithm	F. Albu, C. Paleologu, J. Benesty, and Y. V. Zakharov	2	[1] Adaptive Feedback Cancellation on Improved DCD algorithms, D. Chao, Gao Li, H. Ying, IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, No. 6, pp.1478-1481, 2013 [2] Low-Complexity l0-Norm Penalized Shrinkage Linear and Widely Linear Affine Projection Algorithms, Youwen Zhang, Shuang Xiao, Dajun Sun, Lu Liu, Circuits, Systems, and Signal Processing, pp 1–24, 2016
Sparsity-aware pseudo affine projection algorithm for active noise control	F. Albu, A. Gully, Rodrigo C. de Lamare	2	**[1]** Robust modeling of acoustic paths using a sparse adaptive algorithm , Jyoti Maheswari, Nithin George, *Applied Acoustics, vol. 101, pp. 122-126, 2016* [2] Robust adaptive algorithm by an adaptive zero attractor controller of ZA-LMS algorithm, R. Sivashanmugam, S. Arumugam, Mathematical Problemes in Engineering, 2016
New Affine Projection Algorithms Based on Gauss-Seidel Method	F. Albu, C. Kotropoulos, Z. Cernekova, I. Pitas	1	[1] Statistical convergence behavior of affine projection algorithms, Y Zhi, J Li, J Zhang, Z Wang Applied Mathematics and Computation, pp. 511-526, 2015
Leading Element Dichotomous Coordinate Descent Exponential Recursive Least Squares Algorithm for Multichannel Active Noise Control	F. Albu	2	[1] The Random Walk Model Kalman Filter in Multichannel Active Noise Control, Lopes, P.A.C.; Gerald, J.A.B. ; Piedade, M.S., IEEE Signal Processing Letters, Vol. 22, Issue: 12, pp. 2244 - 2248, Dec. 2015 [2] Robust Adaptive Algorithm for Active Control of Impulsive Noise, Alina Mirza, Ayesha Zeb, Shahzad Amin Sheikh, EURASIP Journal on Advances in Signal Processing, 2016
Logarithmic Tools for In-camera Image Processing	C. Florea, F. Albu, C. Vertan, A. Drimbarean	1	[1] Low complexity unsupervised multi-camera color calibration with application to panoramic video capturing, Helwani, K., Kondrad, L., & Piotto, N.,2015 IEEE International Conference on Image Processing (ICIP), pp. 1359-1363.

Closed-loop feedback cancellation utilizing two microphones and transform domain processing	C. R. C. Nakagawa, S. Nordholm, F. Albu, W.-Y. Yan	1	[1] Intrusive Howling Detection Methods for Hearing Aid Evaluations, Meng Guo, Anders Meng, Bernhard Kuenzle, Krista Kappeler, Proc. of ICASSP 2016, pp. 236-240
A Recursive Least Square algorithm for Active Noise Control based on the Gauss-Seidel Method	F. Albu, C. Paleologu	1	[1] Robust Adaptive Algorithm for Active Control of Impulsive Noise, Alina Mirza, Ayesha Zeb, Shahzad Amin Sheikh, EURASIP Journal on Advances in Signal Processing, 2016
The Proportionate APL-I algorithm	F. Albu	1	[1] On new efficient mu-law based method for feedback compensation in hearing aids, Vasundhara; Ganapati Panda; Niladri Puhan, Electronics Letters, 11 April 2016
The Variable Step-Size Gauss-Seidel Pseudo Affine Projection Algorithm	F. Albu, C. Paleologu	1	[1] Adaptive Combination of Affine Projection and NLMS Algorithms Based on Variable Step-Sizes C Ren, Z Wang, Z Zhao, Digital Signal Processing, 2016
Fixed Order Implementation of Kernel RLS-DCD Adaptive Filters	K. Nishikawa, Yoshiki Ogawa, F. Albu	1	[1] Self-organizing kernel adaptive filtering, Songlin Zhao, Badong Chen, Zheng Cao, Pingping Zhu, Jose C. Principe, EURASIP Journal on Advances in Signal Processing, December 2016
Sparsity-aware pseudo affine projection algorithm for active noise control	F. Albu, A. Gully, Rodrigo C. de Lamare	1	[1] A Robust Sparse Adaptive Filtering Algorithm with a Correntropy Induced Metric Constraint for Broadband Multi-Path Channel Estimation, Yingsong Li, Zhan Jin, Yanyan Wang and Rui Yang , Entropy 2016, 18(10), 380; doi:10.3390/e18100380
Simple and Performing Temperature-Compensated Voltage References	Ciugudean M.A., Bodea M.C., Coanda H.G	2	1. Mircea A. Ciugudean, Marius M. Bălaș, CMOS-Integrated Temperature Relay Based on Widlar Mirror, Proceedings of the 5th International Workshop Soft Computing Applications (SOFA), pp. 319-330, DOI 10.1007/978-3-642-33941-7_29, 22-24 aug. 2012, ISBN 978-3-642-33940-0, ISSN 2194-5357, WOS: 000314077300029, 2012; 2. Bogdan M.V., Widlar-Widlar voltage/reading temperature sensor, International Conference on Telecommunications and Signal Processing, pp. 288 – 293, DOI 10.1109/TSP.2011.6043724, WOS:000299568700060, 2011;
Embedded Wireless Homecare Monitoring System,	R. Dobrescu, M. Dobrescu, D. Popescu, HG Coanda	6	1. N Archer, K Keshavjee, C Demers, R Lee, Online Self-Management Interventions for Chronically Ill Patients: Cognitive Impairment and Technology Issues, International Journal of Medical Informatics Volume 83, Issue 4, April 2014, Pages 264–272, DOI: 10.1016/j.ijmedinf.2014.01.005, WOS:000332397200003, 2014; (Q1) 2. Nizam Uddin Ahamed, Kenneth Sundaraj, Badlishah Ahmad, Matiur Rahman, Md. Asraf Ali, Md. Anamul Islam and Rajkumar Palaniappan, Rehabilitation systems for physically disabled patients: A brief review of sensor-based computerised signal-monitoring systems, Biomedical Research 2013; 24 (3); pp. 370-376, ISSN 0970-938X, WOS:000322308100015, 2013; 3. YS Hung, KLB Chen, CT Yang, GF Deng, Web usage mining for analysing elder self-care behavior patterns, Expert Systems with Applications, Volume 40, Issue 2, 1 February 2013, Pages 775–783, 2013, DOI 10.1016/j.eswa.2012.08.037, WOS:000310945000039, 2013; (Q1) 4. Popescu, Dan; Dobrescu, Radu; Maciuca, Andrei; Marcu R, Smart sensor network for continuous monitoring at home of elderly population with chronic diseases, Telecommunications Forum (TELFOR), 2012 20th, 20-22 noiembrie 2012, pp 603-606, ISBN 978-1-4673-2983-5, WOS:000316626800147, 2012; 5. By Z. W. Sim, R. Shuttleworth, M. J. Alexander, B. D. Grieve, Compact Patch Antenna Design For Outdoor Rf Energy Harvesting In Wireless Sensor Networks, pp. 273 – 294, vol. 105, Progress In Electromagnetics Research, ISSN: 1070-4698, E-ISSN: 1559-8985, 2010, DOI 10.2528/PIER10052509, WOS:000280666300016, 2010; (Q2) 6. Abdellah Chehri, Hussein Mouftah, Gwanggil Jeon, A Smart Network Architecture for e-Health Applications, Intelligent Interactive Multimedia Systems and Services, Smart Innovation, Systems and Technologies, 2010, Volume 6, 157-166, DOI: 10.1007/978-3-642-14619-0_16, WOS:000281199500016, 2010;
Efficient fractal method for texture classification	Popescu, A. L., Popescu, D., Ionescu, R. T., Angelescu, N., Cojocaru, R	4	Radu Tudor Ionescu , Andreea-Lavinia Popescu, Marius Popescu, Dan Popescu, BiomassID: A biomass type identification system for mobile devices, Computers and Electronics in Agriculture, Volume 113,pp.244-253,2015 Ido Zachevsky ; Yehoshua Y. Zeevi, Model-based color natural stochastic textures processing and classification, Signal and Information Processing (GlobalSIP), 2015 IEEE Global Conference, 14-16 Dec. 2015, **INSPEC Accession Number:** 15807724, **DOI:** 10.1109/GlobalSIP.2015.7418420, IEEE

			Radu Tudor Ionescu, Andreea Lavinia Popescu, Dan Popescu Texture Classification with Patch Autocorrelation Features, International Conference on Neural Information Processing, Neural Information Processing pp 1-11, 12 November 2015, DOI: 10.1007/978-3-319-26532-2_1, **Print ISBN** 978-3-319-26531-5, **Online ISBN** 978-3-319-26532-2 Radu Tudor Ionescu, Measuring the Local Non-alignment Between Objects: Applications to Different Domains, Procedia Computer Science, Volume 96, 2016, Pages 838–847, Proceedings of the 20th International Conference KES-2016, pp 53-98, DOI 10.1007/978-3-319-30367-3_4, Print ISBN, 978-3-319-30365-9, Online ISBN 978-3-319-30367-3
Statistical texture analysis of road for moving objectives	**D.Popescu**, R.Dobrescu, N.Angelescu	3	Popescu, Dan; Ichim, Loretta; Caramihale, Traian, Computer - Aided Localization of the Optic Disc Based on Textural Features Conference: 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Univ Politehnica Bucharest, Fac Elect Engn, Bucharest, ROMANIA Date: MAY 07-09, 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Pages: 307-312 Published: 2015 WOS:000368159800057 Popescu, Dan; Ichim, Loretta, Image recognition in UAV application based on texture analysis Conference: 16th International Conference on Advanced Concepts for Intelligent Vision Systems (ACIVS) Location: Catania, ITALY Date: OCT 26-29, 2015, **DOI:** 10.1007/978-3-319-25903-1_60, WOS:000374794500060 **ISBN:**978-3-319-25903-1; 978-3-319-25902-4 **ISSN:** 0302-9743 Popescu, Dan; Ichim, Loretta; Caramihale, Traian ,Texture Based Method for Automated Detection, Localization and Evaluation of the Exudates in Retinal Images, 22nd International Conference on Neural Information Processing (ICONIP), Istanbul, TURKEY, NOV 09-12, 2015, WOS:000373889900055 ISBN:978-3-319-26561-2; 978-3-319-26560-5 ISSN: 0302-9743, NOV 09-12, 2015
Assessment of the Scale Methods for Video Signal Conversion from SDTV resolution in HDTV resolution;	Udroiu, Iulian; Angelescu, Nicoleta; Tache, Ioan; Caciula,Ion	1	LU, Jing, et al. An improved bilinear interpolation algorithm using center coordinates of pixels. Sensors & Transducers, 2013, 19.2: 89.
Comparativ Analysis of Protocol RIP,OSPF,RIGRP and IGRP for Service Video Conferencing, E-mail, FTP, HTTP	Liana Denisa Circiumarescu, Gabriel Predusca, Nicoleta Angelescu, Dan Constantin Puchianu	2	Shewaye Sirika Smita Mahajine, *Survey on Dynamic Routing Protocols*, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181,IJERTV5IS010028 Vol. 5 Issue 01, January-2016 Pan Wei ; Zhiguo Hong ; Minyong Shi , Performance analysis of HTTP and FTP based on OPNET, Computer and Information Science (ICIS), 2016 IEEE/ACIS 15th International Conference, 26-29 June 2016, **ISBN:** 978-1-5090-0806-3, **Print on Demand(PoD) ISBN:** 978-1-5090-0807-0, **INSPEC Accession Number:** 16251854, **DOI:** 10.1109/ICIS.2016.7550952

A review on thermoelectric cooling parameters and performance	Enescu, D., Vîrjoghe, E.O.	12	1. A new 3D chip cooling technology using micro-channels thermosyphon with super-moist fluids and nanofluids, By: Zhang, Kai-lun; Liu, Zhen-Hua; Zheng, Bao-chen, ENERGY CONVERSION AND MANAGEMENT Volume: 128, Pages: 44-56, Published: NOV 15 2016; 2. An exhaustive experimental study of a novel air-water based thermoelectric cooling unit, By: Dizaji, Hamed Sadighi; Jafarmadar, Samad; Khalilarya, Shahram; et al., APPLIED ENERGY Volume: 181, Pages: 357-366, Published: NOV 1 2016; 3. A comprehensive review of thermoelectric technology: Materials, applications, modelling and performance improvement, By: Twaha, Ssennoga; Zhu, Jie; Yan, Yuying; et al., RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 65, Pages: 698-726, Published: NOV 2016; 4. A review on nanostructures of high-temperature thermoelectric materials for waste heat recovery, By: Fitriani; Ovik, R.; Long, B. D.; et al., RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 64, Pages: 635-659, Published: OCT 2016; 5. Thermoelectric Properties of Polyacrylonitrile-Based Nanocomposite, By: Yusupov, K.; Khovaylo, V.; Muratov, D.; et al., JOURNAL OF ELECTRONIC MATERIALS Volume: 45, Issue: 7, Pages: 3440-3444, Published: JUL 2016; 6. Optimization of a trapezoid-type two-stage Peltier couples for thermoelectric cooling applications, By: Lin, Shumin; Yu, Jianlin INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID Volume: 65, Pages: 103-110, Published: MAY 2016; 7. Advanced computational model for Peltier effect based refrigerators, By: Martinez, A.; Astrain, D.; Rodriguez, A.; et al., APPLIED THERMAL ENGINEERING Volume: 95, Pages: 339-347, Published: FEB 25 2016; 8. Recent advances in CNT/graphene based thermoelectric polymer nanocomposite: A proficient move towards waste energy harvesting, By: Dey, Abhijit; Bajpai, Om Prakash; Sikder, Arun K.; et al., RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 53, Pages: 653-671, Published: JAN 2016; 9. Thermal comfort study of a building equipped with thermoelectric air duct system for tropical climate, By: Irshad, Kashif; Habib, Khairul; Basrawi, Firdaus; et al. APPLIED THERMAL ENGINEERING Volume: 91, Pages: 1141-1155, Published: DEC 5 2015; 10. Performance analysis of a thermoelectric air duct system for energy-efficient buildings, By: Irshad, Kashif; Habib, Khairul; Thirumalaiswamy, Nagarajan; et al. ENERGY Volume: 91, Pages: 1009-1017, Published: NOV 2015; 11. Parameter analysis and optimal design for two-stage thermoelectric cooler, By: Wang, Tian-Hu; Wang, Qiu-Hong; Leng, Chuan; et al. APPLIED ENERGY Volume: 154 Pages: 1-12, Published: SEP 15 2015; 12. Energy Consumption Management of the Automated Self-service Centre's Storage Module: Models and Simulations, By: Gopejenko, Viktors; Gopejenko, Aleksejs; Vaivods, Aivars, Edited by: Kravets, A; Shcherbakov, M; Kultsova, M; et al., Conference: 1st Conference on Creativity in Intelligent Technologies and Data Science (CIT and DS) Location: Volgograd, RUSSIA Date: SEP 15-17, 2015, CREATIVITY IN INTELLIGENT TECHNOLOGIES AND DATA SCIENCE, CIT&DS 2015 Book Series: Communications;
Maintenance - a Solution to Reduce the Environmental Impact of Electrical Machines	Daniel Necula, Nicolae Vasile, Mihail-Florin STAN	2	1. VAIMANN, T., KALLASTE, A., KILK, A., BELAHCEN, A., *Lifecycle-based design and optimization of electrical motor-drives-Challenges and possibilities*, The 3rd International Conference on Electric Power and Energy Conversion Systems Yildiz Technical University, Istanbul, TURKEY, October 2-4, 2013, Print ISBN 978-1-4799-0687-1, WOS:000345894400058; 2. VAIMANN, T., KALLASTE, A., KILK, A., BELAHCEN, A., *Environmental considerations in lifecycle based optimization of electrical machines*, The proceedings of 16th International Scientific Conference on Electric Power Engineering (EPE 2015), 20-22 May 2015, Kouty nad Desnou, Czech Republic, Page(s) 209 – 214, ISBN 9781467367899, WOS:000377548600041;
Technical Interactions Between Distributed Photovoltaic Systems And Low-Voltage Grids	Traian Daniel Ivanovici, Marcel Ionel, Mihail-Florin STAN, Valentin Dogaru-Ulieru, Ioan Corneliu Salisteanu	1	PETR MASTNY, JAN MORAVEK and JIRI DRAPELA, *Practical Experience of Operational Diagnostics and Defectoscopy on Photovoltaic Installations in the Czech Republic*, Energies, Volume 8, Issue 10, 11234-11253; doi:10.3390/en81011234, WOS:000364230500032;
Advanced Command Techniques of Electrical Induction Machines	Marcel Ionel, Mihail-Florin STAN, Corneliu Ioan Sălişteanu, Octavian Marcel Ionel	1	ELENA OTILIA VIRJOGHE, DIANA ENESCU, MARCEL IONEL, *Arcing chamber optimization of DC current-limiting circuit breaker using FEM*, Proceedings of the 9th WSEAS/IASME International Conference on ELECTRIC POWER SYSTEMS, HIGH VOLTAGES, ELECTRIC MACHINES, ISSN: 1790-5117, WOS:000276614400032;
The impact of the electrical machines on the environment	Necula, D.; Vasile, N.; Mihail-Florin STAN	1	PHLOYMUK, NATTHAWUT; TANTHANUCH, NUTTHAPHONG, *Improvement of Insulation for Rotating Machine by Dry Ice Method*, 2016 INTERNATIONAL ELECTRICAL ENGINEERING CONGRESS, IEECON2016 Book Series: Procedia Computer Science Pages: 345-348 Published: 2016, WOS:000381992000085.

INDICATORUL 5.1b Citări BDI

Titlu articol	Nume, Prenume autor(i)	Nr. citări	Articolul/Autori/Revista in care a fost citat articolul/volumul/anul
Improved rhombus interpolation for reversible watermarking by difference expansion	Dragoi Ioan Catalin, Coltuc Dinu	6	1. S Arivazhagan, W Sylvia Lilly Jebarani, and C Karthika. Reversible data hiding by reserving room. In Communication and Network Technologies (ICCNT), 2014 International Conference on, pages 100–104. IEEE, 2014. 2. Santi P Maity and Hirak Kumar Maity. M-ary reversible contrast mapping in reversible watermarking with optimal distortion control. In Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), 2013 Fourth National Conference on, pages 1–4. IEEE, 2013. 3. Ruchira Naskar and Rajat Subhra Chakraborty. A technique to evaluate upper bounds on performance of pixel–prediction based reversible watermarking algorithms. Journal of Signal Processing Systems, 82(3):373–389, 2016. 4. Tudor Nedelcu and Dinu Coltuc. Alternate embedding method for difference expansion reversible watermarking. In Signals, Circuits and Systems (ISSCS), 2015 International Symposium on, pages 1–4. IEEE, 2015. 5. Tudor Nedelcu, Razvan Iordache, and Dinu Coltuc. Three stages prediction-error expansion reversible watermarking. In Signal Processing Conference (EUSIPCO), 2014 Proceedings of the 22nd European, pages 2455–2459. IEEE, 2014. 6. Jiajia Xu, Hang Zhou, Weiming Zhang, Ruiqi Jiang, Guoli Ma, and Nenghai Yu. Second order perdicting-error sorting for reversible data hiding. In International Workshop on Digital Watermarking, pages 407–420. Springer, 2016
Context embedding for raster-scan rhombus based reversible watermarking	Coltuc Dinu, Dragoi Ioan Catalin	2	1. Bo Ou, Xiaolong Li, Yao Zhao, Rongrong Ni, and Yun-Qing Shi. Pairwise prediction-error expansion for efficient reversible data hiding. IEEE Transactions on image processing, 22(12):5010–5021, 2013. 2. Xiaochao Qu and Hyoung Joong Kim. Pixel-based pixel value ordering predictor for high-fidelity reversible data hiding. Signal Processing, 111:249–260, 2015.

ocal-prediction-based difference expansion reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	23	1. Chien-Chang Chen, Yao-Hong Tsai, and Hsin-Cheng Yeh. Difference-expansion based reversible and visible image watermarking scheme. Multimedia Tools and Applications, pages 1–20, 2015. 2. Ugo Fiore and Francesco Rossi. Embedding an identity-based short signature as a digital watermark. Future Internet, 7(4):393–404, 2015. 3. Justin George, Suresh Babu, M Varatharaj, and UG Scholar. Secure reversible data hiding with high payload capacity. International Journal of Engineering Science, 2960, 2016. 4. A Ghardallou, A Kricha, A Sakly, and A Mtibaa. Intelligent selection of embedding locations for reversible watermarking based on 2d-difference expansion. In Sciences and Techniques of Automatic Control and Computer Engineering (STA), 2015 16th International Conference on, pages 383–387. IEEE, 2015. 5. Ruiqi Jiang, Weiming Zhang, Jiajia Xu, Nenghai Yu, and Xiaocheng Hu. Reversible image data hiding with local adaptive contrast enhancement. In Advanced Multimedia and Ubiquitous Engineering, pages 445–452. Springer, 2016. 6. Mr Santosh Kale. Double-faced data hiding techniques in images using rit: A survey. 7. Yan Ke, Minqing Zhang, and Jia Liu. Separable multiple bits reversible data hiding in encrypted domain. In International Workshop on Digital Watermarking, pages 470–484. Springer, 2016. 8. S Kruthika and V Kalpana. Enhancing embedding capacity and security using reversible texture synthesis in image steganography. Indian Journal of Science and Technology, 9(48), 2016. 9. Aditi Kurapa, Mahendra Sahare, and Umesh Lilhore. A robust fractal code and lsb based image watermarking. International Journal of Computer Applications, 160(9), 2017. 10. Xiaolong Li and Zongming Guo. General expansion-shifting model for reversible data hiding. In Signal and Information Processing Association Annual Summit and Conference (APSIPA), 2016 Asia-Pacific, pages 1–4. IEEE, 2016. 11. Aniket Roy and Rajat Subhra Chakraborty. Optimal distortion estimation for prediction error expansion based reversible watermarking. In International Workshop on Digital Watermarking, pages 265–279. Springer, 2016. 12. Rashmi A Sonawane and Mrs Dipti Sonawane. Reversible texture synthesis using three level security in steganography. 2017. 13. MJ Thenmozhi and T Menakadevi. A new secure image steganography using lsb and spiht based compression method. International Journal of Engineering, 16:17, 2016. 14. Sonali Baban Wable and SP Patil. Steganography using reversible texture synthesis with multilayer embedding technique. International Journal of Engineering Science, 7208, 2016. 15. Junxiang Wang, Jiangqun Ni, and Xing Zhang. Efficient hs based reversible data hiding using multi-feature complexity measure and optimized histogram. In Proceedings of the 4th ACM Workshop on Information Hiding and Multimedia Security, pages 29–38. ACM, 2016. 16. Da-Chun Wu, Ming-Yao Chen, et al. Information hiding in standard midi files based on velocity reference values. IJ Network Security, 18(2):274–282, 2016. 17. Han-Zhou Wu, Hong-Xia Wang, and Yun-Qing Shi. Dynamic content selection-and-prediction framework applied to reversible data hiding. In Information Forensics and Security (WIFS), 2016 IEEE International Workshop on, pages 1–6. IEEE, 2016. 18. Han-Zhou Wu, Hong-Xia Wang, and Yun-Qing Shi. Ppe-based reversible data hiding. In Proceedings of the 4th ACM Workshop on Information Hiding and Multimedia Security, pages 187–188. ACM, 2016. 19. Jiajia Xu, Weiming Zhang, Ruiqi Jiang, and Nenghai Yu. Unified entropy-based sorting for reversible data hiding. Multimedia Tools and Applications, pages 1–22. 20. Bowen Xue, Xiaolong Li, Jinwei Wang, and Zongming Guo. Improved reversible data hiding based on two-dimensional difference-histogram modification. Multimedia Tools and Applications, pages 1–19, 2016. 21. Yang Yang, Weiming Zhang, Dong Liang, and Nenghai Yu. A roi-based high capacity reversible data hiding scheme with contrast enhancement for medical images. Multimedia Tools and Applications, pages 1–23. 22. Jing Zhang, Meili Zhi, Yuting Su, and Qingzhong Liu. Mobile watermarking against geometrical distortions. In Proceedings of the 8th International Conference on Mobile Multimedia Communications, pages 190–197. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering), 2015. 23. Shun Zhang and Tiegang Gao. Visible watermarking scheme for quick response code based on reversible data hiding. International Journal of Digital Crime and Forensics (IJDCF), 6(3):47–63, 2014.
Gradient based prediction for reversible watermarking by	Dragoi Ioan Catalin, Coltuc Dinu,	3	1. Ravi Uyyala, Munaga VNK Prasad, and Rajarshi Pal. Selected context dependent prediction for reversible watermarking with optimal embedding. In Proceedings of International Conference on Computer Vision and

difference expansion	Caciula Ion		Image Processing, pages 35–46. Springer, 2017. 2. Jiajia Xu, Weiming Zhang, Ruiqi Jiang, and Nenghai Yu. Unified entropy-based sorting for reversible data hiding. Multimedia Tools and Applications, pages 1–22. 3. Jiajia Xu, Hang Zhou, Weiming Zhang, Ruiqi Jiang, Guoli Ma, and Nenghai Yu. Second order perdicting-error sorting for reversible data hiding. In International Workshop on Digital Watermarking, pages 407–420. Springer, 2016.
On Local Prediction Based Reversible Watermarking	Dragoi Ioan Catalin, Coltuc Dinu	2	1. Ali Al-Haj, Ahmad Mohammad, et al. Crypto-watermarking of transmitted medical images. Journal of Digital Imaging, pages 1–13, 2016. 2. Farid Lalem, Alshaikh Muath, Ahcene Bounceur, Reinhardt Euler, Lamri Laouamer, Laurent Nana, and Anca Christine Pascu. Data authenticity and integrity in wireless sensor networks based on a watermarking approach. In The 29th International Florida Artificial Intelligence Research Society, 2016.
Horizontal pairwise reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu, Caciula Ion	1	1. Bowen Xue, Xiaolong Li, Jinwei Wang, and Zongming Guo. Improved reversible data hiding based on two-dimensional difference-histogram modification. Multimedia Tools and Applications, pages 1–19, 2016.
Adaptive pairing reversible watermarking	Dragoi Ioan Catalin, Coltuc Dinu	1	1. Bowen Xue, Xiaolong Li, Jinwei Wang, and Zongming Guo. Improved reversible data hiding based on two-dimensional difference-histogram modification. Multimedia Tools and Applications, pages 1–19, 2016.
Block map implementation of difference expansion reversible watermarking	Adrian Tudoroiu, Ion Caciula, Dinu Coltuc	1	1. Thilagavathi N, Saravanan D, Kumarakrishnan S, Punniakodi S, Amudhavel J, Prabu U. A Survey of Reversible Watermarking Techniques, Application and Attacks. InProceedings of the 2015 International Conference on Advanced Research in Computer Science Engineering & Technology (ICARCSET 2015) 2015 Mar 6 (p. 37). ACM.
Stereo embedding by reversible watermarking: Further results	Dinu Coltuc, Ion Caciula	2	1. Liu W, Ni R, Zhao Y. Reversible 3D Image Data Hiding with Quality Enhancement. InInternational Workshop on Digital Watermarking 2016 Sep 17 (pp. 446-455). Springer, Cham. 2. Zhou, Wujie, Ting Luo, Zhongpeng Wang, Mingkun Feng, Jianfeng Weng, and Xin Li. "New Multipurpose Oriented Stereo Image Watermarking Algorithm for 3D Multimedia.", Wseas Transactions On Signal Processing, Volume 10, 2014, ISSN: 2224-3488
Very fast watermarking by reversible contrast mapping	Dinu Coltuc, Jean-Marc Chassery	11	1. Jayanthi SK, Sridevi K. Fidelity Analysis of Additive and Multiplicative Watermarked Images in Integrated Domain. IOSR Journals (IOSR Journal of Computer Engineering).;1(16):36-41. 2. Wang, Fei, Zhaoxin Xie, and Zuo Chen. "High Capacity Reversible Watermarking for Audio by Histogram Shifting and Predicted Error Expansion." The Scientific World Journal 2014 (2014). 3. Shuai, Ren, et al. "Fast Watermarking of Traffic Images Secure Transmission in Effective Representation Mode." Appl. Math 8.5 (2014): 2565-2569. 4. Chang, Zhiguo, Xiangmo Zhao, and Jian Xu. "A Reversible Watermarking Framework Based on Down-sampling and Prediction." Information Technology Journal 13.11 (2014). 5. Raut RR, Bijwe KB. A Survey Report on Visual Cryptography and Secret Fragment Visible Mosaic Images. International Journal of Application and Innovation in Engineering & Management. 2014;3(10):216-20. 6. Geethalakshmi, M., P. Nithyajothi, and R. Rajalakshmi. "Reversible Watermarking for Low Distortion Using Transform." , International Journal of Emerging Research in Management &Technology, ISSN: 2278-9359,Volume-3, Issue-9, 2014. 7. Meenpal A, Mali SS. Histogram Modification Based Reversible Data Hiding Using Neighbouring Pixel Differences. International Journal of Research in Advent Technology. 2014 Oct;2. 8. CHEN, Xianyi, and Chunfeng LI. "Efficient Reversible Image Watermarking Based on Odd-even Consistency on Pixel Pairs." Journal of Computational Information Systems 10.16 (2014): 6807-6815. 9. Anbuchezhiyan, S. "A Novel Reversible Digital Watermark Based on 2D Difference Histogram Pair Mapping.", International Journal of Innovative Research in Advanced Engineering (IJIRAE), Volume 1 Issue 10, 2014. 10. Meenpal A, Mali SS. ''Survey of Recent Reversible Data Hiding Schemes''. International Journal of Advance Foundation and Research in Computer (IJAFRC).;1(8):77-87.,2014 11. Weng, S. W., and J. S. Pan. "Reversible Watermarking Based on Eight Improved Prediction Modes." Journal of Information Hiding and Multimedia Signal Processing, Volume 5, Number 3, 2014

Low distortion transform for reversible watermarking	Dinu Coltuc	6	1. Gui, Xinlu, et al. "A Novel Reversible Data Hiding Scheme Based on Reference Pixels and Adaptive Block Selection." Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP), 2014 Tenth International Conference on. IEEE, 2014. 2. Li, Jian, Xiaolong Li, and Xingming Sun. "A New Reversible Data Hiding Scheme Based on Efficient Prediction." Digital-Forensics and Watermarking. Springer Berlin Heidelberg, 2014. 326-336. 3. Geethalakshmi, M., P. Nithyajothi, and R. Rajalakshmi. "Reversible Watermarking for Low Distortion Using Transform." (2014). 4. Qu, Xiaochao, Suah Kim, and Hyoungjoong Kim. "Reversible watermarking using edge based difference modification." Fifth International Conference on Graphic and Image Processing. International Society for Optics and Photonics, 2014. 5. SUJATHA, T., and K. GEETHA. "REVERSIBLE IMAGE WATERMARKING USING BIORTHOGONAL WAVELET TRANSFORM AND IMPORTANCE MEASURE MODEL." Journal of Theoretical & Applied Information Technology 60.3 (2014). 6. Anbuchezhiyan, S. "A Novel Reversible Digital Watermark Based on 2D Difference Histogram Pair Mapping.", International Journal of Innovative Research in Advanced Engineering (IJIRAE), Volume 1 Issue 10, 2014
Improved embedding for prediction-based reversible watermarking	Dinu Coltuc	4	1. Chang, Chin-Chen, Thai Son Nguyen, and Chia-Chen Lin. "Reversible Image Hiding for High Image Quality Based on Histogram Shifting and Local Complexity." IJ Network Security 16.3 (2014): 201-213. 2. Kaur, Rashpinder, and Jaspreet Singh. "Reversible Watermarkng based on Entropy Masking with Histogram Shifting." International Journal of Computer Applications 99.13 (2014): 39-43. 3. CHEN, Xianyi, and Chunfeng LI. "Efficient Reversible Image Watermarking Based on Odd-even Consistency on Pixel Pairs." Journal of Computational Information Systems 10.16 (2014): 6807-6815. 4. Anbuchezhiyan, S. "A Novel Reversible Digital Watermark Based on 2D Difference Histogram Pair Mapping.", International Journal of Innovative Research in Advanced Engineering (IJIRAE), Volume 1 Issue 10, 2014
Exact histogram specification	Dinu Coltuc, Philippe Bolon, Jean-Marc Chassery	4	1. Thamman, Priya, and Rekha Bhatia. "A New Methodology for Improvement of Contrast to Show Fractures in X-ray Images." International Journal of Computer Science & Information Technologies 5.5 (2014). 2. Perez, Alex J., et al. "A workflow for the automatic segmentation of organelles in electron microscopy image stacks." Frontiers in neuroanatomy 8 (2014). 3. Arvind, R., et al. "Intensification of Unreliable Radiant Images by using Instinctive Sustained Algorithms." International Journal of Computer Science & Information Technologies 5.2 (2014). 4. Zhang, Qieshi, and Sei-ichiro Kamata. "[Paper] Multi-Histogram Mapping and Fusion based Image Contrast Enhancement." ITE Transactions on Media Technology and Applications 3.1 (2015): 2-11.
Modelling of The Photovoltaic Cell Circuit Parameters For Optimum Connection Model and Real-Time Emulator With Partial Shadow Conditions	Kadri, R., **Andrei, H.,** Gaubert, JP., Ivanovici, T., Champenoise, G., Andrei, P.,	14	**1)** Emulation of Photovoltaic arrays with shading effect for testing of grid-connected inverters, Geury, T.,Gyselinck, J., 2013, 15th European Conference on Power Electronics and Applications, Lille, 2-6 Sept., EPE 2013, pg. 1 – 9, 10.1109/EPE.2013.6631803 **2) S**ensitivity analysis of solar photovoltaic modules to environmental factors through new definitions and formulas, Ziar, H., Karegar, H.K., 2013, Journal of Renewable and Sustainable Energy, 5, 053109 (2013); http://dx.doi.org/10.1063/1.4821213 **3)** Application of the strong tracking Unscented Kalman filter algorithm in photovoltaic system maximum power point tracking , Nie, X.-H., 2013, Dianli Xitong Baohu yu Kongzhi/Power System Protection and Control **4)** Matlab-Simulink of photovoltaic system based on a two-diode model simulator with shaded solar cells, N. Belhaouas, M.S. Ait Cheikh, A. Malek and C. Larbes, Revue des Energies Renouvelables, Vol. 16 N°1 (2013), pp. 65 – 73 **5)** The Extremum Seeking Control Based on Band Pass Filter for the Dither Signal Processed in the Control Loop, N. Bizon, M. Oproescu, M. Raducu, L.M. Constantinescu, International Journal on Technical and Physical Problems of Engineering (IJTPE), ISSN 2077-3528, September 2013, Issue 16, Volume 5, Number 3, Pages 133-141 **6)** Design and Modeling of Centralized Distribution Network for the DC House Project, Harpreet S. Bassi, California Polytechnic State University - San Luis Obispo, Degree Name: MS in Electrical Engineering, 6-2013,

			URL: http://digitalcommons.calpoly.edu/theses/980. **7)** Energy and Data Conversion Circuits for Low Power Sensory Systems, Ghosh, Suvradip, Computer Science and Electrical Engineering Electronic Theses and Dissertations - University of Missouri-Kansas City (UMKC), 2014-04-02, http://hdl.handle.net/10355/41509 **8)** A perturb and observe method using fuzzy logic control for PV pumping system, Sarah, A. Rachid, E.B., Proc. of IEEE - International Conference on Multimedia Computing and Systems (ICMCS), 14-16 April 2014, Marrakech, Page(s): 1608 – 1612,Print ISBN:978-1-4799-3823-0, INSPEC Accession Number:14617977 DOI:10.1109/ICMCS.2014.6911337, Publisher:IEEE **9)** Dynamic and Reconfigurable Photovoltaic Emulator Based on FPAA, F. Barra, M. Balato, L. Costanzo, D. Gallo, C. Landi, M. Luiso, M. Vitelli, 20th IMEKO TC4 International Symposium and 18th International Workshop on ADC Modelling and Testing Research on Electric and Electronic Measurement for the Economic Upturn Benevento, Italy, September 15-17, 2014, ISBN-14: 978-92-990073-2-7, pp.1005-1010. **10)** Non-linear model predictive energy management strategies for stand-alone DC microgrids. Moradinegade Dizqah, Arash, Doctoral thesis, Northumbria University, Newcastle, UK, Faculty of Engineering and Environment, 2014, http://nrl.northumbria.ac.uk/17747/ **11)** Partial shading problem solution for solar arrays fed by MPPT via permanent monitoring of individual panels, Domorad, P. Averbukh, M., Published in:2014 IEEE 28th Convention of Electrical & Electronics Engineers in Israel (IEEEI), 3-5 Dec. 2014, Eilat, Israel, Page(s):1 – 5, Print ISBN:978-1-4799-5987-7, SCOPUS Accession Number:14850467, DOI: 10.1109/EEEI.2014.7005767 Publisher: IEEE. **12)** Analyse de Deux Modèles Types de la Cellule Photovoltaïque, Z. Layate, T. Bahi, H. Bouzeria, S. Lekhchine, Le 3ème Séminaire International sur les Energies Nouvelles et Renouvelables (The 3nd International Seminar on New and Renewable), Energies Unité de Recherche Appliquée en Energies Renouvelables, Ghardaïa – Algérie, 13 et 14 Octobre 2014, pp.1-5 **13)** On the Search Speed for the Extremum Seeking Control Scheme Based On Band Pass Filter. Part I – Signal Processing in the Control Loop, N. Bizon M. Oproescu, M. Raducu, Luminita Constantinescu, International Conference on Technical and Physical Problems of Electrical Engineering, 2013 (ICTPE13), Istanbul, 9-13 sept. **14)** Dynamic and reconfigurable photovoltaic emulator based on FPAA,Barra, F.,Balato, M.,Costanzo, L., Luiso, M.,Vitelli, M.,2014, 20th IMEKO TC4 Symposium on Measurements of Electrical Quantities: Research on Electrical and Electronic Measurement for the Economic Upturn, Together with 18th TC4 International Workshop on ADC and DCA Modeling and Testing, IWADC 2014.
Identification of the radial configurations extracted from the weakly meshed structures of electrical distribution systems	Andrei, H., Chicco, G.	1	**1)** A Novel Optimization Algorithm Solving Network Reconfiguration, A. De Bonis, A. Mazza, F. Torelli, João P. S. Catalão, G. Chicco, 18th Power Systems Computation Conference, Wroclaw, Poland – August 18-22, 2014
PV module parameter characterization from the transient charge of an external capacitor	Spertino, F., Sumaili, J., Andrei, H., Chicco, G.,	2	**1)** Building Integrated Photovoltaic Systems: specific non-idealities from solar cell to grid, PhD thesis Fabio Corona, aprilie 2014, Politecnico di Torino, : http://porto.polito.it/2538891/ **2)** Experimental assessment of degradation rate in photovoltaic modules, Carullo, A., Castellana, A., Vallan, A., Ciocia, A., Spertino, F., 2016, 21-st IMEKO TC-4 Int Sympsium on Understanding the World through Electrical and Electronic Measurement, and 19th Int Workshop on ADC Modelling and Testing
The minimum energetical principle in electric and magnetic circuits	H Andrei, F Spinei,	2	**1)** Non-Segmented Grain Oriented Steel in Induction Machines, B. Cassoret, S. Lopez, J.-F. Brudny, T. Belgrand, Progress in Electromagnetics Research C, Vol. 47, 2014, pp. 1-10, ISSN: 1937-8718, indexată ISI, **impact factor 1,5** **2)** Induction machine magnetic noise: Impact of a new stator magnetic circuit design, Jean-François Brudny, Cristian Demian, Lucian Petrea, Thierry Belgrand, Mathematics and Computers in Simulation, Volume 90, April 2013, Pages 192–204, ELECTRIMACS 2011- PART I, **Impact Factor: 0.856,** ISSN: 0378-4754
Curve fitting method for modeling and analysis of photovoltaic cells characteristics	H Andrei, T Ivanovici, G Predusca, E Diaconu, PC Andrei,	3	**1)** Best Multiple Non-linear Model Factors for knock Engine (SI) by using ANFIS, Azher Razzaq Hadi Witwit, Azman Yasin, Horizon Gitano, Mohammed Ismael Mahmood, Asian Journal of Applied Sciences, ISSN: 2321 – 0893, Volume 02 – Issue 04, August 2014, pp. 464-470 **2)** Statistical Analysis for Multiple Non-Linear Knock Factors in Internal Combustion Engine, Azher Razzaq Hadi Witwit, Azman Yasin,Horizon Gitano, Mohammed Ismael Mahmood, Applied Mechanics and Materials - Internal Combustion Engine and Computational Fluid Mechanics, pp. 373-380, 10.4028/www.scientific.net/AMM.663.373, ISSN: 1662-7482, 2015. **3)** Mathematical Modeling of Electrical Grid Current and Voltage Waveforms for Protective Relay Tests Under Actual Faulty

			Grid Conditions, Ygo N. Batista, H.E.P. de Souza, F.A.S. Neves, F. Bradaschia, Journal of Control, Automation and Electrical Systems, pp 1-9, First online: 14 July 2016, ISSN: 2195-3880 (Print) 2195-3899 (Online), DOI 10.1007/s40313-016-0259-x.
Analysis and experimental verification of the sensitivity of PV cell model parameters	H Andrei, T Ivanovici, E Diaconu, MR Ghita, Oana Marin, PC Andrei	1	**1)** Impact of Photovoltaic (PV) Systems on Distribution Networks, Wadhah Esmaeel Ibraheem, Chin Kim Gan, Mohd Ruddin Ab. Ghani, International Review on Modelling and Simulations (IREMOS), ISSN: 1974-9821, Vol 7, No 2 (2014), pp.298-310
A Comprehensiv Assesment of the Solutions of the Distribution System minimum loss reconfiguration problem	Andrei, H., Caciula, I, Chicco, G.,	1	**1)** A Novel Optimization Algorithm Solving Network Reconfiguration, A. De Bonis, A. Mazza, F. Torelli, João P. S. Catalão, 18th Power Systems Computation Conference, Wroclaw, Poland – August 18-22, 2014
The modelling of the power factor in steady state non sinusoidal regime with Mathcad techniques	H Andrei, C Cepisca, F Spinei,	1	**1)** Measurement analysis of a large industrial consumer, G. Oprea, Scientific Bulletin of the Electrical Engineering Faculty – Year 14 No.1 (25) ISSN 1843-6188, pp. 48-55, 2014.
Remote Data Acquisition System for Hydro Power Plants	Cepisca, C. Andrei, H., Petrescu, E., Petrescu, C.	1	**1)** Utilization of different Encryption Schemes for Securing SCADA Component Communication, Minkyu Choi, Int. Conf. of Innovative Trends in Electronics Communications and Applications – ICIECA 2013, pp. 103-122.
About the Efficiency of Real Time Sequences FFT Computing	Costin Cepisca, Sorin Dan Grigorescu, Mircea Covrig, Horia Andrei,	2	**1)** A Novel Accelerating Algorithm and Its Implement in Real Sequence FFT, Hong-gui Deng, Sheng-wei Guo, Jian Duan, International Journal of Sciences Research Article (ISSN 2305-3925) Volume 2, Issue Apr 2013, pp.84-88 **2)** A Computational Method of Real-valued Discrete Fourier Series Transform (real-DFST) and Application, Seung-Mok Lee, Jae Kwon Eem, JKIIT, Vol.11, No.11), 2013.11, 83-89
Modeling of the PV panels circuit parameters using the 4-terminals equations and Brune's conditions	Horia Andrei, Costin Cepisca, SD Grigorescu, Traian Ivanovici, Paul Andrei	1	**1)** A Comprehensive Analysis for Extracting Single Diode PV Model Parameters by Hybrid GA-PSO Algorithm, C.Saravanan, A.Panneerselvam, International Journal of Computer Applications (0975 – 8887) Volume 78 – No.8, September 2013, Indexat SCOPUS
On Existance of the Principles of Minimum Dissipated Power for Linear and Nonlinear Electric Circuit	**Andrei, H**., Spinei, F., Cepisca, C., Chicco, G., Grigorescu, S.D., Jula, N.,	1	**1)** Mobile platform for testing electric traction motor prototypes in real road conditions, Sanda Paturca, M. Covrig. C. Cepisca, Computing and Computational Intelligence, Issue 5, may 2013, pp.187-193, ISSN 1790-5117, **indexat SCOPUS**
Methods for power measurements in energy meters	Cepisca, C., Ganatsios, S. **Andrei, H.,** Grigorescu, S.D., Taousanidis, N.,	1	**1)** Analysis of Power Factor Over Correction in a Distribution Feeder, A. Furlani Bastos, S. Santoso, L. Biyikli, May, 2-5, 2016, Conference: IEEE Power and Energy Society Transmission and Distribution Conference and Exposition, At Dallas, TX
Combined echo and noise cancellation based on Gauss-Seidel pseudo affine projection algorithm	F. Albu, H.K. Kwan	1	[1] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
The Multichannel Gauss-Seidel Fast Affine Projection Algorithm for Active Noise Control	M. Bouchard, F. Albu	1	[1] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
Affine projection algorithms: evolution to smart and fast multichannel algorithms and applications	A. Gonzalez, M. Ferrer, **F. Albu**, and M. de Diego	2	[1] An Affine Projection Algorithm with Variable Step Size for Channel Equalization, Sanjay Kumar Singh, *International Journal of Engineering Research & Technology (IJERT),* Vol. 2 Issue 11, November – 2013, pp. 3243-3247 [2] Acoustic Echo Canceller Using the Error Coded Affine Projection Algorithm, J. G. Avalos-Ochoa, F. A. Serrano-Orozco, and G. Avalos-Arzate, *International Journal of Information and Electronics Engineering, Vol. 6, No. 5, September 2016, pp. 317-320*

A Variable Step Size Evolutionary Affine Projection Algorithm	F. Albu, C. Paleologu, J. Benesty	2	[1] Variable step-size affine projection algorithm based on global speech absence probability for adaptive feedback cancellation, Young-Sear Kim, Ji-hyun Song, Sang-Kyun Kim, Sangmin Lee, *Journal of Central South University*, February 2014, Volume 21, Issue 2, pp 646-650 [2] A Block Parallel l0-Norm Penalized Shrinkage and Widely Linear Affine Projection Algorithm for Adaptive Filter, Youwen Zhang, Shuang Xiao, Lu Liu, Dajun Sun, *China Communications, Vol. 14, (1), pp. 86-97, Jan. 2017*
A low-cost and fast convergence Gauss-Seidel pseudo affine projection algorithm for multichanel active noise control	F. Albu, M. Bouchard	1	[1] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
A Variable Step Size Modified Decorrelated NLMS Algorithm for Adaptive Feedback Cancellation in Hearing Aids	M. Rotaru, F. Albu, H. Coanda	4	[1] Variable step-size affine projection algorithm based on global speech absence probability for adaptive feedback cancellation, Young-Sear Kim, Ji-hyun Song, Sang-Kyun Kim, Sangmin Lee, *Journal of Central South University*, February 2014, Volume 21, Issue 2, pp 646-650 [2] Adaptive feedback cancellation based on variable step-size affine projection for hearing aids Qin Haijuan, Zhang Linghua, *The Journal of China Universities of Posts and Telecommunications, v*olume 22, Issue 1, February 2015, Pages 6–10. [3] A method for control of adaptation rate in acoustic feedback cancellation systems for hearing aids Wang, X., Wang, Q., Liang, R., Tang, G., Zhao, L., Zou, C., ICIC Express Letters 9 (9), 2015, pp. 2505-2510 [4] An improved echo cancellation algorithm for hearing aids, YQ Feng, GC Tang, RY Liang, QY Wang, 2015 International Conference on Electronics, Electrical Engineering and Information Science (EEEIS2015), pp. 362-369
Efficient Implementation of a Variable Projection Order Affine Projection Algorithm	F. Albu, C. Paleologu, J. Benesty	2	[1] Acoustic Noise Cancellation Using Adaptive Filters: A Survey, Dew,sthale, Mugdha M. ; Kharadkar, R.D., *International Conference on Electronic Systems, Signal Processing and Computing Technologies* (ICESC), 2014, 9-11 Jan. 2014, pp. 12 – 16 [2] Improved NLMS algorithm with fixed step size and filter length using adaptive weight updation for Acoustic Noise Cancellation, Dewasthale, Mugdha.M. ; Kharadkar, R.D., *Annual IEEE India Conference (INDICON)*, pp. 1-7, Dec. 2014
Coordinate descent iterations in fast affine projection algorithm	Y. Zakharov and F. Albu	1	[1] Improved NLMS algorithm with fixed step size and filter length using adaptive weight updation for Acoustic Noise Cancellation, Dewasthale, Mugdha.M. ; Kharadkar, R.D., *Annual IEEE India Conference (INDICON)*, pp. 1-7, Dec. 2014
New Affine Projection Algorithms Based on Gauss-Seidel Method	F. Albu, C. Kotropoulos, Z. Cernekova, I. Pitas	1	[1] A New Affine Projection Algorithm and Its Statistical Behavior, ZHI Yongfeng, LI Ru and LI Huxiong, *Chinese Journal of Electronics*, Vol.22, No.3, July 2013
Improved Variable Forgetting Factor Recursive Least Square Algorithm	F. Albu	3	[1] Coordination control strategy based on characteristic model for 3-bearing swivel duct nozzles , iang Yang Wang, JiHong Zhu, JiaLi Yang, Kai Liu, *Science China Technological Sciences*, December 2014, Volume 57, Issue 12, pp 2347-2356 [2] Design Realization and Performance Evaluation of an Acoustic Echo Cancellation (AEC) in Hands-Free Communications using Recursive Adaptive Algorithm , Azeddine Wahbi, Ahmed Roukhe and Laamari Hlou, *Signal & Image Processing : An International Journal (SIPIJ) Vol.6, No.3, June 2015* [3] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
Adaptive Recovery of Motion Blur Point Spread Function from Differently Exposed Images	F. Albu, C. Florea, A. Drimbarean, A. Zamfir	1	[1] Dual deblurring leveraged by image matching, Fang Wang, Tianxing Li, Yi Li, *International Conference on Image Processing (ICIP),* 2013, pp: 567-571
One scan shadow compensation and visual enhancement of color images	F. Albu, C. Florea, C. Vertan, A. Drimbarean	2	[1] Night video enhancement using improved dark channel prior, Jiang, X., Yao, H., Zhang, S., Lu, X., & Zeng, W., *Image Processing (ICIP), 2013 20th IEEE International Conference on*. IEEE, 2013. p. 553-557 [2] Home video monitoring system for neurodegenerative diseases based on commercial HD cameras, Abramiuc, B., Zinger, S., De With, P.H.N., De Vries-Farrouh, N., Van Gilst, M.M., Bloem, B., Overeem, S., *5th IEEE International Conference on Consumer Electronics - Berlin, 2015, Pages 489-492*
New variable step size affine projection algorithms	F. Albu, C. Paleologu, S. Ciochina	6	[1] Variable step-size affine projection algorithm based on global speech absence probability for adaptive feedback cancellation, Young-Sear Kim, Ji-hyun Song, Sang-Kyun Kim, Sangmin Lee, *Journal of Central South University*, February 2014, Volume 21, Issue 2, pp 646-650 [2] A Switching Variable Step Size Affine Projection Adaptive Algorithm For Acoustic Echo Cancellation, Jinju Joy, M.Mathurakani, *International Conference on Microelectronics, Communication and Renewable Energy (ICMiCR-2013),* pp.

			1-5 [3] A new GSC beamforming algorithm based on double affine projection, Liu, Zehua ; Wu, Shouhao ; Wang, Yongjie ; Guo, Wenxiu, *IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB), 2014, pp. 1-4* [4] An efficient memory-improved proportionate affine projection sign algorithm based on l0-norm for sparse system identification, Yi Yu, Haiquan Zhao , *Proceedings of ISKE 2013, Shenzhen, China, Nov 2013, Foundations of Intelligent Systems Advances in Intelligent Systems and Computing*, Vol. 277, 2014, pp 509-518 [5] An Affine Projection Algorithm with Decomposition for Improved Performance, S. Radhika, Sivabalan Arumugam, Dec. 2014 IEEE International Conference on Computational Intelligence and Computing Research, Coimbatore, India, pp. 1-6 [6] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
The Gauss-Seidel pseudo affine projection algorithm and its application for echo cancellation	F. Albu, and A. Fagan	1	[1] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
Evolutionary and variable step size affine projection algorithms for active noise control	A. Gonzales, F. Albu, M. Ferrer, M. Diego	1	[1] On the development of a partial update multichannel nonlinear active noise control system, George, Nithin V ; Panda, Ganapati ; Kumar, Vikash, *7th International Conference on Signal Processing and Communication Systems (ICSPCS), 2013*, 16-18 Dec. 2013, pp. 1-4
The Gauss-Seidel Fast Affine Projection Algorithm	F. Albu, J. Kadlec, N. Coleman, A. Fagan	3	[1] Evaluation of a channel decorrelation approach for stereo acoustic echo cancellation, Romoli, Laura ; Cecchi, Stefania ; Piazza, Francesco, *8th International Symposium on Image and Signal Processing and Analysis (ISPA), 2013*, pp. 783 – 788 [2] Modified Adaptive Line Enhancer in Variable Noise Environments using Set-Membership Adaptive Algorithm Roshahliza M Ramli, Ali O Abid Noor, Salina Abdul Samad *International Review on Computers and Software* (IRECOS) 9 (8), 2014, 1468-1475. [3] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
The application of support vector machines with gaussian kernels for overcoming co-channel interference	F. Albu, and D. Martinez	1	[1] Constant modulus semi-blind space-time equalizer based on structure risk minimum criterion Mao, Z.-Y., Wang, H.-X., Song, H., Li, J., *Journal of Beijing Institute of Technology (English Edition), 2013*
Modified Gauss-Seidel affine projection algorithm for acoustic echo cancellation	F. Albu, C. Kotropoulos	1	[1] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
Intermittently-updated affine projection algorithm	F. Albu**,** M. Rotaru, R. Arablouei, and K. Dogancay	2	[1] Review Paper on Linear and Nonlinear Acoustic Echo Cancellation, D. K. Gupta, V. K. Gupta, Mahesh Chandra, Proceedings of the 3rd Proc. of FICTA, 2014, Advances in Intelligent Systems and Computing Volume 328, 2015, pp 465-473 [2] Review paper on different technology on echo cancellation, Ajjaiah H.B.M, Prabhakar V. Hunagund *International Journal of Advanced Research (2015), Volume 3, Issue 7, 159-166*

Memory Improved Proportionate Affine Projection Sign Algorithm	F. Albu, H.K. Kwan	3	[1] An efficient memory-improved proportionate affine projection sign algorithm based on l0-norm for sparse system identification, Yi Yu, Haiquan Zhao , *Proceedings of ISKE 2013, Shenzhen, China, Nov 2013, Foundations of Intelligent Systems Advances in Intelligent Systems and Computing*, Vol. 277, 2014, pp 509-518 [2] Memory proportionate APSA with individual activation factors for highly sparse system identification in impulsive noise environment, Yi Yu, Haiquan Zhao , *Wireless Communications and Signal Processing (WCSP), pp. 1-6, oct. 2014* [3] An Improved Block Sparse Method for Feedback Suppression in Hearing Aids, Vasundhara, Ganapati Panda and N. B. Puhan, *International Conference on Signal Processing and Communications (SPCOM), 2016*
Intelligent tutor for first grade children's handwriting application	F. Albu, D. Hagiescu, M. Puica, L. Vladutu	1	[1] Detection and Analysis of Emotion from Speech Signals, Assel Davletcharova, Sherin Sugathan, Bibia Abraham, Alex Pappachen James, *Second International Symposium on Computer Vision and the Internet (VisionNet'15), Volume 58, 2015, Pages 91–96, 2015*
The Variable Step-Size Gauss-Seidel Pseudo Affine Projection Algorithm	F. Albu, C. Paleologu	1	[1] Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication, Youwen Zhang, Lu Liu, Dajun Sun, *2016 IEEE/OES China Ocean Acoustics (COA), pp. 1-6, 2016*
A Fast Filtering Proportionate Affine Projection Sign Algorithm	F. Albu, H. Coanda	1	[3] An Improved Block Sparse Method for Feedback Suppression in Hearing Aids, Vasundhara, Ganapati Panda and N. B. Puhan, *International Conference on Signal Processing and Communications (SPCOM), 2016*
Simple and Performing Temperature-Compensated Voltage References	Ciugudean M.A., Bodea M.C., Coanda H.G	2	1. Mircea A. Ciugudean, CMOS-Integrated Temperature Relay Based on Wilson Mirror, Tom 57 (71), Fascicola 1, 2012, Buletinul Stiintific al Universitati Politehnica din Timisoara, Transaction on Electronic and Communications, pp. 19-23, 2012; 2. Bogdan V. Marinca, Mircea A. Ciugudean, CMOS Temperature sensors using peaking current source, Tom 56 (70), Fascicola 1, 2011, Buletinul Stiintific al Universitati Politehnica din Timisoara, Transaction on Electronic and Communications, pp. 19-23, 2011;
Embedded Wireless Homecare Monitoring System,	R. Dobrescu, M. Dobrescu, D. Popescu, HG Coanda	11	1. Yassine A., Shirmohammadi S., Tele-Medical Applications in Home-Based Health Care, IEEEE International Conference on Multimedia and Expo Workshops, pp. 441 – 446, DOI 10.1109/ICMEW.2012.83, 2012; (Scopus) 2. Ruipeng Gao, Liqiong Yang, Xinyu Wu, Tao Wang, A phone-based e-health system for osas and its energy issue, Information Technology in Medicine and Education (ITME), 2012 International Symposium on, Volume 2, 3-5 Aug. 2012, pp. 682 - 686, ISBN 978-1-4673-2109-9, 2012, DOI 10.1109/ITiME.2012.6291396, 2012; (Scopus) 3. Nizam Uddin Ahamed, Kenneth Sundaraj, R. Badlishah Ahmad, SAM Matiur Rahman, Biosensors assisted automated rehabilitation systems: A systematic review, International Journal of the Physical Sciences Vol. 7(1), pp. 5 - 17, 2 January, 2012, ISSN 1992-1950, Academic Journals, DOI: 10.5897/ IJPS11.1521, 2012; 4. Nizam Uddin Ahamed, Kenneth Sundaraj, Badlishah Ahmad, Matiur Rahman, Md. Asraf Ali, Md. Anamul Islam, Rajkumar Palaniappan, Rehabilitation systems for physically disabled patients: A brief review of sensor-based computerised signal-monitoring systems., Biomedical Research, 24 (3); 370-376, ISSN 0970-938X, 2013; (Scopus) 5. YS Hung, KLB Chen, CT Yang, GF Deng, Mining cluster-based patterns for elder self-care behaviour, AUSDM '12 Proceedings of the Tenth Australasian Data Mining Conference - Volume 134, pp. 221-227, ISBN: 978-1-921770-14-2, 2012; (Scopus) 6. ZW Sim, Radio Frequency Energy Harvesting for Embedded Sensor Networks in the Natural Environment, Universite of Manchester, PhD Theses, 2012 (Teza de doctorat) 7. Gao Rui-Peng, Yang Li-Qiong, Wu Xin-Yu, Wang Tao, Lü Song-Wu, Han Fang, Phone-Based Energy-Efficient OSAS Monitoring System, Journal of Software, 23(Suppl.(2)):193−203, ISSN 1000-9825, 2012; (Scopus) 8. Stefan Mocanu, Irina Mocanu, Silvia Anton, Calin Munteanu, AmIHomCare: a complex ambient intelligent system for home medical assistance, Recent Researches in Applied Computer and Applied Computational Science, pp. 181 – 186, ISBN: 978-960-474-281-3, 2010; (Scopus) 9. Stefan Mocanu, Irina Mocanu, Silvia Anton, Calin Munteanu, AmIHomCare: AAL system for elderly and disabled people indoor assistance, International Journal Of Computers And Communications Issue 2, Volume 5, pp. 93-100, 2011; 10. R Dobrescu, D Popescu, M Nicolae, S Mocanu, Hybrid wireless sensor network for homecare monitoring of chronic patients, International Journal of Biology and Biomedical Engineering, Issue 2, Volume 3, pp 19-26, 2009; 11. R Dobrescu, D Popescu, M Dobrescu, M Nicolae, Integration of WSN-based platform in a homecare monitoring system, Latest Trends on Communications and Information Technology, ISSN: 1792-4316, pp. 165-170, 2008 (Scopus)
Methods of measure and analyse of video quality of the image.	Udroiu, Iulian, Ioan Tache, Nicoleta	2	Zhuang, Xiaodong, and N.E. Mastorakis, "The Analysis of Local MotionandDeformation in ImageSequencesInspiredbyPhysical Electromagnetic Interaction", WSEAS TRANSACTIONS on COMPUTERS, pp.231-245,Vol. 14, 2015

	Angelescu, and Ion Caciula.		Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full HdTransmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
An Analysis of co-occurrence Texture Features in Lossy Compressed Grayscale Images	Angelescu, N.	5	Iulian Udroiu,Reversible watermarking of color images in RGB color space, The Scientific Bulletin of Electrical Engineering Faculty, no. 1, ISSN 1843- 6188, 2015 Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full HD Transmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015 Andrada Sumalan, Dan Popescu, Alexandru Voicu,Video detection of birds in flight to avoid collisions with windt urbines, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015 H. G. Coanda, R. Dobrescu, D. Popescu**,** Design Principles Of Medical Cyber-Physical Systems,Scientific Bulletin of the Electrical Engineering Faculty – Year 15 No.1 (29) ISSN 1843-6188, 2014 H. G. Coanda**,** Designing a control system for smart outdoor street lighting using advanced communication technologies, Scientific Bulletin of the Electrical Engineering Faculty – Year 14 No.4 (28) ISSN 1843-6188, 2015
Evaluation of image segmentation algorithms	N. Angelescu and I. Udroiu	2	Iulian Udroiu,Reversible watermarking of color images in RGB color space, The Scientific Bulletin of Electrical Engineering Faculty, no. 1, ISSN 1843- 6188, 2015 Andrada Sumalan, Dan Popescu, Alexandru Voicu,Video detection of birds in flight to avoid collisions with wind turbines, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
Statistical texture analysis of road for moving objectives	**D.Popescu**, R.Dobrescu, N.Angelescu	2	Din, R.MATLAB medical images classification on graphics processors (2013) UPB Scientific Bulletin, Series C: Electrical Engineering, 75 (2), pp. 17-30 Popescu, Dan, Loretta Ichim, and Radu Dobrescu, Sliding Box Method for Automated Detection of the Optic Disc and Macula in Retinal Images, In Bioinformatics and Biomedical Engineering, pp. 250-261. Springer International Publishing, 2015.
Efficient fractal method for texture classification	Popescu, A. L., Popescu, D., Ionescu, R. T., Angelescu, N., Cojocaru, R	5	Wang Fu-you, LuoDingandLiu Hong-wei. Lowresolutionairborne radar aircrafttargetclassification,. Journal of Radars, Vol. 3, Issue 4, pp. 444-449,2014 Wang Fu-you, LuoDingandLiu Hong-wei,Low-resolutionAirborne Radar Air/groundMoving Target ClassificationandRecognition, Journal of Radars, Vol. 3, Issue 5, pp. 497-504,2014 Radu Tudor Ionescu; Andreea-Lavinia Popescu; Dan Popescu; Marius Popescu, Local Texton Dissimilarity with applications on biomass classification, Computer Vision Theory and Applications (VISAPP), 2014 International Conference, 5-8 Jan. 2014, IEEE Radu Tudor Ionescu, Marius Popescu, Local Displacement Estimation of Image Patches and Textons, Part of the series Advances in Computer Vision and Pattern Recognition pp 53-98, 26 April 2016, pp 53-98, DOI 10.1007/978-3-319-30367-3_4, Print ISBN 978-3-319-30365-9, Online ISBN 978-3-319-30367-3 Radu Tudor Ionescu, Andreea Lavinia Ionescu, Josiane Mothe, Dan Popescu, Patch Autocorrelation Features: a translation and rotation invariant approach for image classification, pp 1–32, 21 November 2016, DOI: 10.1007/s10462-016-9532-4, **Print ISSN** 0269-2821, **Online ISSN** 1573-7462
A new scaling method for SDTV video signal conversion at HDTV resolution	Iulian Udroiu, Nicoleta Angelescu, Ioan Tache, Ion Caciula	1	Lu, Jing; Xia, Min; Li, Wei; Yang, Ke-Cheng, An Improved Bilinear Interpolation Algorithm Using Center Coordinates of Pixels,Sensors & Transducers, Volume 19, Issue 2, pp. 89-93, ISSN: 2306-8515,2013
Assessment of the scale methods for video signal conversionfrom. SDTV resolution in HDTV resolution	Iulian Udroiu, Nicoleta Angelescu, Ioan Tache, Ion Caciula	1	Lu, Jing; Xia, Min; Li, Wei; Yang, Ke-Cheng, An Improved Bilinear Interpolation Algorithm Using Center Coordinates of Pixels, Sensors & Transducers, Volume 19, Issue 2, pp. 89-93, ISSN: 2306-8515,2013
The analyze of MER variationconcerningthe quality of transmission for DVB-T signals	Iulian Udroiu, Ioan Tache, NicoletaAngelescu, Ion Caciula	1	Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full Hd Transmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
Analysis of the DVB-T Signal in Romania	Iulian Udroiu, Ioan Tache,	1	Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full Hd Transmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015

	NicoletaAngelescu, Ion Caciula		
The analysis of OFDM constellations for digital terrestrial television,	Iulian Udroiu, IoanTache, Nicoleta Angelescu, Ion Caciula	1	Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full Hd Transmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
The analysis of DVB-C signal in the digital televisioncablenetworks	Iulian Udroiu, Nicoleta Angelescu, Ioan Tache, Ion Caciula	1	Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full Hd Transmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
The Optimization of Video Processing ChainUsingMeasurementMethodsBased on theSimulation of HumanPerception	Iulian Udroiu, Ioan Tache, Nicoleta Angelescu, Ion Caciula	1	Puchianu Dan Constantin, Tene Bogdan, Evaluation Of Objective Video Quality Metrics For Full Hd Transmissions In DVB-T2 Systems, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
Detection of Zonal Noise in the Textural Images	Nicoleta Angelescu, Dan Popescu, Iulian Udroiu and Ioan Tache	1	Andrada Sumalan, Dan Popescu, Alexandru Voicu,Video detection of birds in flight to avoid collisions with wind turbines, Scientific Bulletin of the Electrical Engineering Faculty – Year 15, No.1 (29) ISSN 1843-6188,2015
Improving Texture Based Classification of Aerial Images by Fractal Features	Dan Popescu, Loretta Ichim, Nicoleta Angelescu, Marius Georgian Ionita, Cristian Mateescu	1	Recognition and Drop-Off Detection of Insulator Based on Aerial Image, Computational Intelligence and Design (ISCID), 2016 9th International Symposium on, 10-11 Dec. 2016, **Electronic ISBN:** 978-1-5090-3558-8, **Print ISBN:** 978-1-5090-3559-5, **Electronic ISSN:** 2473-3547 **INSPEC Accession Number:** 16622403,**DOI:** 10.1109/ISCID.2016.1045

A review on thermoelectric cooling parameters and performance	Enescu, D., Vîrjoghe, E.O.	9	1. A study on thermoelectric technology application in net zero energy buildings, by:L Shen, X Pu, Y Sun, J Chen - Energy, 2016 - Elsevier, Ene Niektóre współczesne trendy w projektowaniu termoelektrycznych agregatów chłodniczych S Filin - Chłodnictwo: organ Naczelnej Organizacji Technicznej, 2016 - yadda.icm.edu.plrgy, Volume 113, 15 October 2016, Pages 9–24; Numerical Computation and Analysis of the Numerical Scheme Order of the Two-Dimensional Temperature Field of Thermoelectric Coolers Cold Substrate by: M. dos Santos Guzella, L Cabezas-Gómez, Luiz Gustavo Monteiro Guimarães - International Journal of Applied and Computational Mathematics, March 2017, Volume 3, Issue 1, pp 91–106; 3. Badania efektywności energetycznej współczesnych chłodziarek termoelektrycznych. Część 3. Badania porównawcze chłodziarek Ravanson LK-48 oraz ChTT-48, S Filin, M Chmielowski - Chłodnictwo: organ Naczelnej …, 2015 - yadda.icm.edu.pl; 4. Peltier Cooling Module, TM Pravinchandra - 2015; 5. Towards Optimizing a Personal Cooling Garment for Hot and Humid Deep Mining Conditions, C Al Sayed, L Vinches, S Hallé - Open Journal of Optimization, 2016 - scirp.org; 6. Enhancement of maximum temperature drop across thermoelectric cooler through two-stage design and transient supercooling effect, H Lv, XD Wang, JH Meng, TH Wang, WM Yan - Applied Energy, 2016 - Elsevier; 7. Effect of conjugate heat transfer in designing thermoelectric beverage cooler, A. Gholami Pareh, M. Maktabifar - Energy Equipment, 2015 - journals.ut.ac.ir; 8. ELEKTRONĠK CĠHAZLARIN SOĞUTULMASININ FARKLI TÜRBÜLANS MODELLERĠ VE DUVAR YAKLAĢIMLARI ĠLE CFD SĠMÜLASYONU, F TAN, AS CANBOLAT, B TÜRKAN, BE YÜCE; 9. Study of a thermoelectric air duct system assisted by photovoltaic wall for space cooling in tropical climate, K Irshad, K Habib, F Basrawi, BB Saha - Energy, 2017 - Elsevier;
Numerical simulation of thermoelectrical system	Virjoghe, E.O., Enescu, D., Ionel, M., Stan, M.F.	6	1. Modelling and simulation of a thermoelectric structure with pellets of non-standard geometry and materials, by: FX Villasevil, AM López, M Fisac - International Journal of Refrigeration, Volume 36, Issue 5, August 2013, Pages 1570–1575, ISSN: 0140-7007; Impact Factor: 1.793; 2. Effects of thermal contact resistance and Thomson heating on the outputs of solar thermoelectric power generation system, by: Bimrew Tamrat Admasu, Xiao Bing Luo - Proceedings of 14th International Conference on Electronic Packaging Technology (ICEPT), Dalian, China, 11-14 Aug. 2013, Page(s): 1260 – 1263, ISBN:978-1-4799-0498-3, citat in (ieeexplore.ieee.org, INSPEC); 3. Finite Element Analysis of Thermoelectric Refrigeration System, International Conference on Design and Manufacturing, by: Satheeshkumar Palaniappana, Balachander Palanisamy - (IConDM2013), Procedia Engineering, Volume 64, 2013, Pages 1056–1061; 4. Effects of Non-Uniform Hot Junction Temperature Distribution on the Outputs of Thermoelectric Power Generation System, by: Bimrew Tamrat Admasu, Xiao Bing Luo, Jia Wei Yao, Ting Zhen Ming, SOLAR UPDRAFT TOWER POWER TECHNOLOGY Book Series: Applied Mechanics and Materials Volume: 283 Pages: 87-97, Published: 2013; 5. Numerical Simulation of Thermoelectric Refrigeration Materials R. Sabarish - Indian Journal of Science and Technology, 2015 - indjst.org; 6. The stuy of Thermoelectric Module with Various Thermal Conditions of Exhaust Gas from Diesel Engine, Latest Trends in Renewable Energy and Environmental Informatics, by: Byungdeok In, Kihyung Lee, Proceedings of the 7th International Conference on Renewable Energy Sources (RES '13), Proceedings of the 1st International Conference on Environmental Informatics (ENINF '13), Kuala Lumpur, Malaysia, April 2-4, 2013.
Current Trends on Command, Control, Modeling and Simulation of the Induction Machines	Ionel, M., Stan, M.F., Vîrjoghe, E.O.	1	1. Analysis of Multi-Phase Inverter Fed Induction Motor Drive with Different Phase Numbers, by: G. Renukadevi, K. Rajamba, Modeling and WSEAS TRANSACTIONS on SYSTEMS and CONTROL, 2013 (ELSEVIER, INSPEC, SCOPUS).
Advanced Command Techniques of Electrical Induction Machines	MARCEL IONEL, Mihail-Florin STAN, Corneliu Ioan Sălişteanu, Octavian Marcel Ione	3	**1** BOUHOUNE, K., YAZID, K.; BOUCHERIT, M.S., *Hybrid neural-fuzzy control of the single-phase induction machine*, Communications, Computing and Control Applications (CCCA), 2011 International Conference on 3-5 March 2011, Hammamet, Print ISBN: 978-1-4244-9795-9; **2** OTILIA NEDELCU, DIANA ENESCU, CORNEL SALISTEANU, Determination of Temperature Field Distribution and Rate of Heat Transfer by Means of Thermal-electrical Analogy in DC Machine, WSEAS TRANSACTIONS on SYSTEMS, ISSN: 1109-2777; **3** BOUHOUNE, K., YAZID, K.; BOUCHERIT, M.S., *A new decoupling approach using the Fuzzy Logic In the vector*

			control block of the single-phase induction machine, Electrical Machines and Power Electronics and 2011 Electromotion Joint Conference (ACEMP), 2011 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) and Electromotion Joint Conference E-ISBN : 978-1-4673-5002-0; Print ISBN: 978-1-4673-5004-4;
Possibilities of Diminishing the Distortions Introduced by Superior Harmonics of Electric Current	Marcel Ionel, Mihail-Florin STAN, Valentin Dogaru-Ulieru, Octavian Marcel Ionel	2	1 TRAIAN DANIEL IVANOVICI, MARCEL IONEL, VALENTIN DOGARU-ULIERU, SIMONA MIHAESCU, *The Influence Of Photovoltaic Systems On Low-Voltage Grids*, WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT, Issue 3, Volume 7, March 2011, ISSN: 1790-5079; 2 Marcel IONEL, Octavian Marcel IONEL, Absorbent filters functioning in electrical network, Scientific Bulletin of the Electrical Engineering Faculty – No 2, 2008, pp. 25-27, ISSN 1843-6188.
Managementul proiectelor - o abordare orientată pe aplicaţii	Gorghiu , L.M., Gorghiu, G, Mihail-Florin STAN	5	1 Gheorghe CIUBOTARU, Nicolae FLORESCU, *Considerations concerning the methodology of achieving local development strategies*, Sibiu Alma Mater University Journals. Series A. Economic Sciences – Volume 7, no. 2, November / 2014, ISSN 2065 – 2372; 2 ALINA-TEODORA CIUHUREANU, HORTENSIA GORSKI, NICOLAE BALTEŞ, *Study on identifying the consultancy needs of the members of the territorial pact and the county partnerships in the centre region*, Annals of the University of Petroşani, Economics, 10(3), 2010, pp. 95-104, ISSN 1582–5949; 3 ALINA-TEODORA CIUHUREANU, HORTENSIA GORSKI, NICOLAE BALTEŞ, *Study regarding the implemented projects by the members of the territorial pact centre and the identification of project ideas*, Annals of the University of Petroşani, Economics, 10(4), 2010, pp. 55-62, ISSN 1582–5949; 4 Gabriel Gorghiu, Iulian Brezeanu, *Particularităţi ale monitorizării şi evaluării interne a activităţilor de instruire desfăşurate în format blended-learning, într-un proiect educaţional - aspecte specifice ale proiectului EDUTIC*, Universitatea din Bucureşti şi Universitatea „Transilvania" din Braşov, Conferinţa Naţională de Învăţământ Virtual, ediţia a X-a, 2012; 5 Codruta Dana DUDĂ-DĂIANU, Daniela HARANGUŞ, Conceptualization of the intervention educational projects management, Ecoforum Journal , Vol 5, No 1 (2016), ISSN 2344-2174;
Maşini şi sisteme de acţionări electrice. Comenzi prin convertoare electronice,	Marcel Ionel, Mihail-Florin STAN, Cătălin Vlădescu, Adela Gabriela Husu	3	1 Marcel IONEL, Octavian Marcel IONEL, Traian Daniel IVANOVICI, Advanced Systems for Commanding Induction Motors, The Scientific Bulletin of the Electrical Engineering Faculty, no.1, 2008, pp.23-26, ISSN 1843-6188; 2 Marcel IONEL, Octavian Marcel IONEL, Absorbent filters functioning in electrical network, Scientific Bulletin of the Electrical Engineering Faculty – No 2, 2008, pp. 25-27, ISSN 1843-6188. 3 Marcel IONEL, Octavian Marcel IONEL, Traian Daniel IVANOVICI, The optimisation of the costs of investitions and of the energetic consumption in the electrical drive field, Scientific Bulletin of the Electrical Engineering Faculty – No 1, 2008, pp. 27-31, ISSN 1843-6188.
Inginerie electrică. Strategii, politici, piață. Piața produselor și tehnologiilor electrice	Nicolae Vasile, Mihail-Florin STAN		1 Nicolae VASILE, Gabriela TEODORESCU, Călin OROS, Ioan-Corneliu SĂLIŞTEANU, Electric Car - A Solution for Sustainable Mobility, Buletinul AGIR, Supliment 1 / 2015, ISSN-L 1224-7928, Online: ISSN 2247-3548. 2 Nicolae VASILE, Viorel MIRON ALEXE , Bogdan SĂLIŞTEANU, Andrei NEDELSCHI, Ramona CHIRESCU, Cristian DIVOIU, SYSTEMIC ANALYSIS STRATEGY IN THE RENEWABLE ENERGY SOURCES, Proceedings-ul Conferinței Naționale pentru Surse Noi și Regenerabile de Energie CNSNRE 2015, 29 – 30 octombrie 2015.. 3 Nicolae VASILE, Bogdan SĂLIŞTEANU, Viorel ALEXE, Andrei NEDELSCHI, Ramona CHIRESCU, Cristian DIVOIU, Analiza sistemică a strategiei în domeniul surselor regenerabile de energie, Proceedings Conferinţa Naţională a Surselor Noi şi Regenerabile de Energie CNSNRE- 2015, Târgovişte, Romania, Volume: 1. 4 N VASILE, AG GURGU, Energy efficiency elements in homes electric heating, Proceedings of SNET 2012, Bucharest, 14 dec. 2012, ISSN 2067-4147.
The Effect of the Output Capacitor on the Power Spectrum of the EMI Radiation, the Output Voltage Ripple and the Efficiency of a SEPIC Converter	ION, F. IONEL, M. PREDUSCA, G.	2	1. Karol Radocha, Josef Sedivy, Properties and the use of capacitive diodes and experimental verification of the technical parameters of the diode, Recent Researches in Circuits and Systems, 2012, ISBN: 978-1-61804-108-1, pp.120-124 2. J. Drinovsky, Z. Kejik, V. Ruzek, and J. Zachar, EMI Filters Worst-case Identification by Alternative Measurement System, INTERNATIONAL JOURNAL OF CIRCUITS, SYSTEMS AND SIGNAL PROCESSING, Issue 3, Volume 5, 2011, pp.212-219
Conversion and data acquisition systems	Gabriel Predusca, Florian Ion, Alexandru Ivan, Eugenia Minca	1	Dicu, G.D.; Dicu, I.B., Intelligent system for monitoring and controlling environmental parameters for spaces intended for telecommunications equipment, 2013 17th International Conference on System Theory, Control and Computing (ICSTCC), 2013

Experimental Study For Quality of Service in Voice Over IP	Gabriel Predusca, Denisa Circiumarescu, Sabin Bucur, Lucian Nastase	1	Mukund A. Ghogale, Dr. Prashant V. Ingole, Shailesh N. Sisat, Deployment of departmental intercom using IP telephony, IJITE Vol.03 Issue-01, (January 2015) ISSN: 2321-1776, pp.43-52
A comparative study of SEPIC, Cuk and ZETA converters	Ion F., Predușcă G.	7	1. N.Karthick, I. Manoj, K.V. Kamdasamy, Performance characteristics of various DC-DC converters for efficient solar energy conversion for automobile applications, National Conference On Recent Trends And Developments In Sustainable Green Technologies, Journal of Chemical and Pharmaceutical Sciences (2015) (Volume:7 , Issue: Special), ISSN 0974-2115, pp. 266 – 269 2. Jose Pedro Fortuna Araujo, Conversor DCDC de elevada densidade de potencia, MSc Dissertation, Faculdade de Engenharia da Universidade do Porto, 11 February 2015 3. V. Suganya, S. Vijayalakshmi, K.R. Vairamani, K. Anudheebha, A.R. Danila Shirly, Solar powered battery charge using sliding mode controller, International Journal of Engineering Science and Computing - IJESC, 2016, ISSN: 2321-3361, DOI: 10.4010/2016.702, pp.3012-3018 4. Soedibyo Budi Amri, Mochamad Ashari, The comparative study of Buck-boost, Cik, Sepic and Zeta converters for maximum power point tracking photovoltaic using P&O method, International Journal of Engineering Science and Computing – 2nd International Conference on Information Technology, Computer, and Electrical Engineering, 2015, ISBN: 9781-4799-9861-6, DOI:10.1109/ICITACEE.2015.7437823, pp.327-332 5. H. Parthsarathy, L. Udayakumar, G. Balasubramanian, Modeling and simulation of PV module and zeta converter, International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2016, 18-19 March, electronic ISBN: 9781-1-5090-1277-0, DOI:10.1109/ICCCPCT.2016.7530276, pp.1-5 6. S. Naga Pavithra, S. Umamaheswari, Zeta converter fed BLDC motor for power factor correction and speed control, International Conference on Emerging Devices and Smart Systems (ICEDSS), 2016, 4-5 March, electronic ISBN: 978-1-5090-2415-5, DOI:10.1109/ICEDSS.2016.7587798, pp.133-139 7. A.D. Morman, A.I. Rozaliu, Intelligent device for measuring the heart rate, Journal of Electrical Engineering, Electronics, Control and Computer Science (JEEECCS), Vol. 2, No. 3, 2016, pp.15-20, ISSN 2457-7812
Comparativ Analysis of Protocol RIP, OSPF, RIGRP and IGRP for Service Video Conferencing, E-mail, FTP, HTTP	Liana Denisa Circiumarescu, Gabriel Predusca, Nicoleta Angelescu, Dan Constantin Puchianu	4	1. Shewaye Sirika, Smita Mahajan, Survey on Dynamic Routing Protocols, International Journal of Engineering Research & Technology, 02 January 2016, Volume 5, Issue 01, ISSN: 2278-0181 2. Shewaye Sirika, Smita Mahajan, Performance Evaluation of Dynamic Routing Protocols for Real time application, International Journal of Engineering Trend and Technology, February 2016, Volume 32, Number 7, ISSN: 2231-5381 3. Pan Wei, Zhiguo Hong and Minyong Shi, Performance analysis of HTTP and FTP based on OPNET, Computer and Information Science (ICIS) IEEE/ACIS 15th International Conference on, June 26-29, 2016, ISBN: 978-1-5090-0806-3, pp.1-4 4. Shewayesirika, Smitamahajane, Performance enhancement of OSPF for video conferencing and VoIP, International Journale of Engineering Reserch-Online, Vol.4, Issue 2, Mar-Apr, 2016, ISSN: 2321-7758, pp.507-519
Algoritmi pentru prelucrarea semnalelor numerice	Popescu D., Predușcă G., Angelescu N	1	B. Tene, D.C. Puchianu, N. Angelescu, Evaluation of binarization algorithms in preprocessing of digital mammographies, In: The Scientific Bulletin of Electrical Engineering Faculty (SBEEF 2016)
Intelligent parking	D. Puchianu, G. Predușcă	1	A.D. Morman, A.I. Rozaliu, Intelligent device for measuring the heart rate, Journal of Electrical Engineering, Electronics, Control and Computer Science (JEEECCS), Vol. 2, No. 3, 2016, pp.15-20, ISSN 2457-7812
Computer aided analysis of the MOS capacitor in low frequency conditions	G. Predușcă	1	A.D. Morman, A.I. Rozaliu, Intelligent device for measuring the heart rate, Journal of Electrical Engineering, Electronics, Control and Computer Science (JEEECCS), Vol. 2, No. 3, 2016, pp.15-20, ISSN 2457-7812

INDICATORUL 5.1c Alte Citări

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INDICATORUL 6. Alte realizari/merite (Premii, Prof.invitat***, Organizator manifestări științifice)

Premii/Profesor invitat	Anul/Perioada
Albu Felix, Henri Coanda, Best Paper award IEEE SPA 2014	2014/Septembrie
Albu Felix, Best presentation award IEEE ICAS 2014	2014/Octombrie
Albu Felix, Chair of the ECAI 2015 Special Session: 1st Workshop on Advances in linear and non-linear adaptive filtering – WALNLF 2015	2015/Iunie
Albu Felix, Co-Chair of the APSIPA 2015 Special Session: Recent Topics of the Linear and Non-linear Adaptive Signal and Information Processing	2015/Decembrie
Henri-George Coanda, char conferinta ECAI	2016
Henri-George Coanda, organizator, Sesiuna de Comunicari a Cercurilor Stiintifice Studentesti	2015
Angelescu Nicoleta, co-chair, conferinta ECAI	2016
Stan Florin, Medalia de aur la Salonul Internațional de invenţii de la Geneva	12 aprilie 2013
Stan Florin, Medalia de aur la Salonul de invenţii și inovații EUREKA de la Bruxelles	noiembrie 2012
Stan Florin, Premiul Special OSIM	2013
Gurgu Valentin, Premiul I – concurs microrobotica, Stokholm, conferinta ICRA	2016
Gurgu Valentin, Premiul I – concurs microrobotica, Seattle, conferinta ICRA	2015
Gurgu Valentin, Medalie de argint, Salonul inventatorilor	2013
Gurgu Valentin, Marele premiu,11th edition of the International Workshop of Research, Inovation and Invention, PRO INVENT, Cluj Napoca	2013
Ionita Marius, Medalie de argint, Salonul inventatorilor	2013
Ionita Marius, Marele premiu,11th edition of the International Workshop of Research, Inovation and Invention, PRO INVENT, Cluj Napoca	2013