

LASCU MIHAELA RUXANDRA

LISTA LUCRĂRILOR PUBLICATE

A. LISTA CELOR MAI RELEVANTE LUCRĂRI

1. **LASCU MIHAELA RUXANDRA**, "The Finite Element Method In Shielding Problems", *International Review of Electrical Engineering (I.R.E.E.)* Vol. 3, No. 1, January-February 2008, pp. 174-181, Print ISSN-1827-6660, CD-ROM ISSN-1827-6679.
2. **LASCU MIHAELA RUXANDRA**, Lascu Dan, "Finite Element Method Applied in Modeling Perturbations on Printed Circuit Boards", *International Review of Electrical Engineering (I.R.E.E.)*, Vol. 3, No. 2, March-April 2008, pp. 273-280, Print ISSN-1827-6660, CD-ROM ISSN-1827-6679.
3. **LASCU MIHAELA RUXANDRA**, "Measurement Techniques for Determination of Shielding Effectiveness Characterizing Shielded Coaxial Cables", *The 11th International Conference on Optimization of Electrical and Electronic Equipment - Optim*, May 22-24, 2008, pp. 59-64, ISBN: 978-1-4244-1544-1.
4. **LASCU MIHAELA RUXANDRA**, Dan Lascu, "LabVIEW Event Detection using Pan-Tompkins Algorithm", *Proceedings of the 7th WSEAS International Conference on Signal, Speech and Image Processing, Beijing, China, September 15-17, 2007*, pp. 32-37, ISSN: 1790-5117, ISBN: 978-960-6766-07-7.
5. **LASCU MIHAELA RUXANDRA**, Lascu Dan, "A New Morphological Image Segmentation with Application in 3D Echographic images", *WSEAS Transactions on Electronics, Issue 3, Volume 4, 2008*, pp. 72-82, , ISSN 1109-9445.
6. **LASCU MIHAELA RUXANDRA**, Dan Lascu, "Electrocardiogram Compression and Optimal Filtering Algorithm", *Proceedings of the 7th WSEAS International Conference on Signal, Speech and Image Processing, Beijing, China, September 15-17, 2007*, pp. 26-31, ISSN: 1790-5117, ISBN: 978-960-6766-07-7.
7. **LASCU MIHAELA RUXANDRA**, "A new method for calculating the transfer functions in quasiresonant converters", *Advances in Electrical and Computer Engineering (AECE)*, Vol. 13, Issue 3, 2013, doi:10.4316/aece, pp. 107-112, ISSN 1582-7445, e-ISSN 1844-7600.
8. Paulescu Marius, Dughir Ciprian, Tulcan-Paulescu Eugenia, **LASCU MIHAELA RUXANDRA**, Paul Gravila, Traian Jurca, "Solar radiation modeling and measurements in Timisoara, Romania: data and model quality", *Environmental Engineering and Management Journal "Gheorghe Asachi" Technical University of Iasi*, Vol. 9, No. 8, August 2010, pp. 1089-1095, Print ISSN: 1582-9596, Print ISSN: 1582-9596.

9. Pavol Bauer, Lascu Dan, **LASCU MIHAELA RUXANDRA**, Popescu Viorel, Negoïtescu Dan, Băbăiță Mircea, Popovici Adrian, "E-learning Practical Teaching of Uncontrolled Rectifiers", 13th European conference on Power Electronics and Applications - EPE, Barcelona, September 8-10, 2009, Vols. 1-9, pp. 1840-1849, ISBN 978-1-4244-4432-8.

10. Lascu Dan, Bauer Pavol, Băbăiță Mircea, **LASCU MIHAELA RUXANDRA**, Popescu Viorel, Popovici Adrian, "Distance education in soft-switching inverters", Journal of Power Electronics, Vol. 10, Issue 6, South Korea, 2010, pp. 628-634, pISSN 1598-2092, eISSN 2093-4718.

B. TEZA DE DOCTORAT

LASCU MIHAELA RUXANDRA, “CONTRIBUȚII LA ASIGURAREA COMPATIBILITĂȚII ELECTROMAGNETICE A ECHIPAMENTELOR ELECTRONICE”, conducător științific **PROF. DR. ING. SEVER CRIȘAN**, 1998.

C. CĂRȚI/MONOGRAFII/CAPITOLE DE CARTE ÎN EDITURI NAȚIONALE RECUNOSCUTE

1. PROGRAMARE GRAFICA, EDITURA POLITEHNICA TIMISOARA, ISBN: 978-606-554-908-1, 2015.
2. TEHNICI AVANSATE DE PROGRAMARE ÎN LABVIEW, EDITURA POLITEHNICA TIMIȘOARA, ISBN: 978-973-625-532-8, 2007.
3. ASPECTE ALE COMPATIBILITĂȚII ELECTROMAGNETICE ÎN MEDICINĂ, EDITURA WALDPRESS TIMIȘOARA, ISBN 973-8453-65-8, 2005.
4. COMPATIBILITATE ELECTROMAGNETICĂ ÎN MEDICINĂ, EDITURA WALDPRESS TIMIȘOARA, ISBN 973-36-0322-8, 2004.
5. METODE MODERNE PENTRU MĂSURAREA MĂRIMILOR ELECTRICE ȘI NEELECTRICE, EDITURA PRINTECH BUCUREȘTI, ISBN 973-36-0365-1, 2002.
6. METODE ANALOGICE ȘI NUMERICE DE MĂSURARE A MĂRIMILOR ELECTRICE, EDITURA POLITEHNICA TIMIȘOARA, ISBN: 973-9389-83-X, 2000.

D. MATERIAL DIDACTIC/LUCRARI DIDACTICE (MANUALE DIDACTICE)

1. FLIPPING BOOK pentru activitatea practică la disciplina Instrumentație Virtuală (2013) - <http://www.meo.etc.upt.ro/materii/laboratoare/IV/Documentatie%20IV.exe>.
2. MĂSURĂRI ELECTRICE SI ELECTRONICE - îndrumător de laborator - litografia Universității Politehnica Timișoara, 1997.
3. Instrumentație virtuală - curs Învățământ la distanță - litografia Universității Politehnica Timișoara, 2008.

E. LUCRĂRI PUBLICATE ÎN REVISTE

E1. Lucrări publicate în REVISTE INDEXATE WEB OF SCIENCE (ISI) DIN STRĂINĂTATE

1. Lascu Dan, Bauer Pavol, Băbăiță Mircea, LASCU MIHAELA RUXANDRA, Popescu Viorel, Popovici Adrian, Negoțescu Dan, *Distance education in soft-switching inverters*, Journal of Power Electronics, South Korea, Volume: 10 , Issue: 6 , pp. 628-634, Special Issue: SI, Published: NOV 2010, Publisher KOREAN INST POWER ELECTRONICS, RM 408, KOREA SCIENCE & TECHNOLOGY BLDG, 635-4, YEOKSAM-DONG, KANGNAM-GU, SEOUL, 135-703, SOUTH KOREA, pISSN 1598-2092, eISSN 2093-4718.
2. LASCU MIHAELA RUXANDRA, Lascu Dan, *Finite Element Method Applied in Modelling Perturbations on Printed Circuit Boards*, International Review of Electrical Engineering (I.R.E.E.), Vol.3, N.2, March-April 2008, pp. 273-280, Print ISSN-1827-6660, CD-ROM ISSN-1827-6679.
3. LASCU MIHAELA RUXANDRA, *The Finite Element Method in Shielding Problems*, International Review of Electrical Engineering (I.R.E.E.), Vol.3, N 1, January-February 2008, pp. 174-181, Print ISSN-1827-6660, CD-ROM ISSN-1827-6679.

E2. Lucrări publicate în REVISTE INDEXATE WEB OF SCIENCE (ISI) DIN ROMÂNIA

1. Paulescu Marius, Dughir Ciprian, Tulcan-Paulescu Eugenia, LASCU MIHAELA RUXANDRA, Paul Gravila, Traian Jurca, *Solar radiation modeling and measurements in Timisoara*, Romania: data and model quality, Environmental Engineering and Management Journal "Gheorghe Asachi" Technical University of Iasi, Romania, August 2010, Vol. 9, No.8, pp. 1089-1095, <http://omicron.ch.tuiasi.ro/EEMJ/>, Print ISSN: 1582-9596.
2. LASCU MIHAELA RUXANDRA, *A new method for calculating the transfer functions in quasiresonant converters*, AECE Advances in Electrical and Computer Engineering, Volume: 13, Issue: 3, pp. 107-112, DOI: 10.4316/AECE.2013.03017 , 2013, ISSN 1582-7445, e-ISSN 1844-7600.

E3. Lucrări publicate în REVISTE DIN STRĂINĂTATE INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (BDI)

1. LASCU MIHAELA RUXANDRA, Lascu Dan, *Electrocardiogram Compression and Optimal ECG Filtering Algorithms*, WSEAS TRANSACTIONS on COMPUTERS, Issue 4, Vol.7, pp. 155-164, 2008, ISSN:1109-2750.
2. LASCU MIHAELA RUXANDRA, Lascu Dan, *Real-Time 3D Echocardiography Processing*, WSEAS TRANSACTIONS on ELECTRONICS, Issue 4, Vol.5, pp. 142-154, 2008, ISSN:1109-9445.
3. LASCU MIHAELA RUXANDRA, Lascu Dan, *A New Morphological Image Segmentation with Application in 3D Echographic Images*, WSEAS TRANSACTIONS on ELECTRONICS, Issue 3, Vol.5, pp. 72-82, 2008, ISSN:1109-9445.
4. LASCU MIHAELA RUXANDRA, Lascu Dan, *LabVIEW Electrocardiogram Event and Beat Detection*, WSEAS TRANSACTIONS on COMPUTER RESEARCH, Issue 1, Vol.3, pp. 9-18, 2008, ISSN: 1991-8755.
5. LASCU MIHAELA RUXANDRA, Lascu Dan, Tănase Mihail, Lie Ioan, *Image Processing Techniques in Digital Mammography using LabVIEW*, WSEAS TRANSACTIONS on CIRCUITS AND SYSTEMS, Issue 7, Vol.5, pp. 887-894, 2006, ISSN 1109-2734.
6. Lascu Dan, LASCU MIHAELA RUXANDRA, Tănase Mihail, Lie Ioan, *A Novel Step-Up Converter and Its Applications*, WSEAS TRANSACTIONS on CIRCUITS AND SYSTEMS, Issue 8, Vol.5, pp. 1139-1146, 2006, ISSN 1109-2734.
7. Ioan Lie, Mihail Eugen Tănase, Dan Lascu, LASCU MIHAELA RUXANDRA *Compact Ultrasonic Beamformer Based on Delta-Sigma Modulation* WSEAS TRANSACTIONS on CIRCUITS AND SYSTEMS, Issue 8, Vol.5, pp. 1315-1322, 2006, ISSN 1109-2734.
8. Mihail Eugen Tănase, Ioan Lie, Dan Lascu, LASCU MIHAELA RUXANDRA *Contribution Regarding Electronic Equipment for Motion Features Telemetering*, WSEAS TRANSACTIONS on CIRCUITS AND SYSTEMS, Issue 8, Vol.5, pp. 1277-1283, 2006, ISSN 1109-2734.
9. LASCU MIHAELA RUXANDRA, Dan Lascu, *Mammography Using LabVIEW*, WSEAS Transactions on Systems, Issue 4, Vol.5, pp. 735-742, 2006, ISSN 1109-2777.
10. Dan Lascu, Viorel Popescu, Dan Negoiteșcu, Adrian Popovici, LASCU MIHAELA RUXANDRA, Mircea Băbăiță, *A Novel Step-Up DC-DC Converter and Its Applications*, WSEAS Transactions on Systems, Issue 4, Vol.5, pp. 743-750, 2006, ISSN 1109-2777.

11. LASCU MIHAELA RUXANDRA, *Finite Element Method Analysis of The Behavior of A Multilayered Screen Polarizer*, International Review of PHYSICS, Vol.2, No.1, pp. 36-41, February 2008, Print ISSN-1971-680X, CD-ROM ISSN:1971-6796.
12. LASCU MIHAELA RUXANDRA, *Logging Airplane Sensors Measurements to a Remote Database Using LabVIEW and FieldPoint*, International Review of Aerospace Engineering, Vol.1 No1, pp. 104-109, February 2008, Print ISSN-1973-7459, CD-ROM ISSN:1973-7440.
13. LASCU MIHAELA RUXANDRA, Lascu Dan, *Graphical Programming based Biomedical Signal Acquisition and Processing*, NAUN INTERNATIONAL JOURNAL OF CIRCUITS, SYSTEMS AND SIGNAL PROCESSING, Vol.1, Issue 4, pp. 317-326, 2007, ISSN: 1998-0140.

E4. Lucrări publicate în REVISTE DIN ROMÂNIA INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (BDI)

1. Popescu Viorel, Lascu Dan, Băbăiță Mircea, LASCU MIHAELA RUXANDRA, Popovici Adrian, Negoțescu Dan, *E-Learning Practical Teaching of Resonant AC Circuits*, Journal of Electrical and Electronics Engineering, ISSN 1844-6035, University of Oradea, The 10-th International Conference on Engineering of Modern Electric Systems' 2009 Vol.2, No.1, pp. 193-197, 27-29 May 2009, University of Oradea, P-ISSN: 1844-6035, E-ISSN: 2067-2128, CD-ISSN: 2067-211X.
2. Popescu Viorel, Băbăiță Mircea, Popovici Adrian, Lascu Dan, Negoțescu Dan, LASCU MIHAELA RUXANDRA, *Remote Experiments in Resistor Measurement*, Journal of Electrical and Electronics Engineering, ISSN 1844-6035, University of Oradea, The 10-th International Conference on Engineering of Modern Electric Systems' 2009 Vol.2, No.2, pp. 177-181, 27-29 May 2009, University of Oradea, P-ISSN: 1844-6035, E-ISSN: 2067-2128, CD-ISSN: 2067-211X.
3. Lascu Dan, Băbăiță Mircea, LASCU MIHAELA RUXANDRA, Popescu Viorel, Negoțescu Dan, Popovici Adrian, *LabVIEW-Based Control of a Switching Board for Distance E-Learning*, Journal of Electrical and Electronics Engineering, ISSN 1844-6035, University of Oradea, The 7th International Conference on Renewable Sources and Environmental Electro-Technologies'2008, Vol.1, No.1, pp. 205-208, 2008, University of Oradea, P-ISSN: 1844-6035, E-ISSN: 2067-2128, CD-ISSN: 2067-211X.

E5. Lucrări publicate în REVISTE DIN STRĂINĂȚATE NEINDEXATE

1. LASCU MIHAELA RUXANDRA, Lascu Dan, *Quickfield Solutions for Bioelectric Field Problems*, 8th International Conference on Applied Electromagnetics Nis, 3-5 September 2007, pp. 63-64, Proceeding of Extended Abstracts, ISBN 978-86-85195-43-8, Proceedings of Papers, O4-1, ISBN 978-86-85195-47-0.

2. LASCU MIHAELA RUXANDRA, Dan Lascu, *Feature Extraction in Digital Mammography Using Labview* 2005 WSEAS International Conference on DYNAMICAL SYSTEMS and CONTROL, Venice, Italy, November 2-4, 2005, pp. 427-432, ISBN 960-8457-37-8.
3. Dan Lascu, Viorel Popescu, Dan Negoîtescu, Adrian Popovici, LASCU MIHAELA RUXANDRA, Mircea Băbăiță, *Modelling, Analysis, Simulation and Experimental Results Regarding a New Boost Converter Topology*, 2005 WSEAS International Conference on DYNAMICAL SYSTEMS and CONTROL, Venice, Italy, November 2-4, 2005, pp. 433-438, ISBN 960-8457-37-8.

**E6. Lucrări publicate în REVISTE NAȚIONALE RECUNOSCUTE CNCSIS,
COTATE B și C**

1. Lascu Dan, LASCU MIHAELA RUXANDRA, Băbăiță Mircea, Popescu Viorel, Negoîtescu Dan, Popovici Adrian, *E-Learning Practical Teaching of Uncontrolled Rectifiers*, Buletinul Științific al Universității "Politehnica" din Timișoara, România, Tomul 53 (67), Fascicola 1-2, 2008, pp. 93 - 99, ISSN 1583-3380, cat. B.
2. Lascu Dan, Băbăiță Mircea, LASCU MIHAELA RUXANDRA, Popescu Viorel, Negoîtescu Dan, Popovici Adrian, *LabVIEW-Based Control of a Switching Board for Distance E-Learning*, Journal of Electrical and Electronics Engineering, University of Oradea, The 7th International Conference on Renewable Sources and Environmental Electro-Technologies RSEE '2008, pp. 205-208, 29-30 May 2008, ISSN 1844-6035, cat. B.
3. LASCU MIHAELA RUXANDRA, Dan Lascu, *Numerical Methods for Bioelectrical Field Problems*, Analele Universității din Oradea, Fascicola ELECTROTEHNICĂ, Secțiunea Electronică, Proceedings of the 8th International Conference on Engineering of Modern Electric Systems, EMES 05, May 26-28, Oradea 2005, pp. 94-99, ISSN 1454-9239, cat. C.
4. LASCU MIHAELA RUXANDRA, *Thermistors Characteristics Linearization using Neural Networks*, Analele Universității din Oradea Fascicola ELECTROTEHNICĂ Secțiunea Electronică Oradea 2004 Proceedings of the 5th International Conference on Renewable Sources and Environmental Electro-Technologies, RSEE 2004 May, Oradea, 2004, pp.101-106, ISSN 1454-9239, cat. C.
5. Stoiciu Dan, LASCU MIHAELA RUXANDRA, *PC-based system for automated calibration of a digital voltmeter*, Buletinul Științific al Universității "Politehnica" din Timișoara, România, Tom 49(63), Fascicola 2, 2004, pp. 253-254, ISSN 1583-3380, cat. B.

6. LASCU MIHAELA RUXANDRA, *Electromagnetic Analysis of a Multilayered Screen Polarizer*, Buletinul Științific al Universității “Politehnica” din Timișoara, România, Proceedings of the Symposium on Electronics and Telecommunications “ETC 2000”, pp. 125-128, Timișoara, November 23-24, 2000, ISSN 1224-6034, cat. B.
7. LASCU MIHAELA RUXANDRA, *Time-harmonic Electromagnetic Analysis of Embedded Conductors*, Buletinul Științific al Universității “Politehnica” din Timișoara, România, Proceedings of the Symposium on Electronics and Telecommunications “ETC 2000”, pp.121-124, Timișoara, November 23-24, 2000, ISSN 1224-6034, cat. B.
8. LASCU MIHAELA RUXANDRA, *Metoda elementelor finite aplicată studiului ecranelor cilindrice laminate cu două straturi la frecvențe foarte joase*, Buletinul Științific al Universității “Politehnica” din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 44 (58), Fascicola 1, 1999, pp. 137-144, cat. B.
9. LASCU MIHAELA RUXANDRA, *Magnetic field penetration and diffraction into braided shields*, Buletinul Științific al Universității “Politehnica” din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 44 (58), Fascicola 2, 1999, pp. 87-94, cat. B.
10. LASCU MIHAELA RUXANDRA, Dan Lascu, *Optimal magnetic shielding with grid structures*, Analele Universității din Oradea, Fascicola ELECTROTEHNICĂ, Secțiunea Electronică, Vol. II, Proceedings of the 5th International Conference “Engineering of Modern Electric Systems, EMES’99”, Băile Felix, May 27-29, 1999, pp.235-238, ISSN 1454-9239, cat. C.
11. Dan Lascu, LASCU MIHAELA RUXANDRA, *Exact small-signal analysis of PWM dc-dc power converters in discontinuous capacitor voltage mode*, Buletinul Științific al Universității Politehnica din Timișoara, România, Tomul 43 (57), 1998, Fascicola 2, Vol. II, pp. 57-62, ISSN 1224-6034, cat. B.
12. Dan Lascu, LASCU MIHAELA RUXANDRA, *Unified models for quasi-resonant power converters*, Buletinul Științific al Universității Politehnica din Timișoara, România, Tomul 43 (57), 1998, Fascicola 2, Vol. II, pp. 53-56, ISSN 1224-6034, cat. B.
13. LASCU MIHAELA RUXANDRA, *Current Sources Over A Grounded Multilayered Plane Dielectric Structure*, Buletinul Științific al Universității “Politehnica” din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 43 (58), 1998, Fascicola 2, pp. 109-116, 1998, ISSN 1224-6034, cat. B.
14. LASCU MIHAELA RUXANDRA, *Time Domain Electromagnetic Plan Waves Obliquely Incident In Static And Dynamic Conducting Media*, Buletinul Științific al Universității “Politehnica” din Timișoara, Seria Electrotehnică, Electronică și

Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 43 (58), Fascicola 2, pp. 117-124, 1998, ISSN 1224-6034, cat. B.

15. LASCU MIHAELA RUXANDRA, Dan Lascu, *Electromagnetic interference reduction of switched-mode power converters*, Buletinul Științific al Universității Politehnica din Timișoara, România, Tomul 43 (57), 1998, Fascicola 2, Vol. II, pp. 27-30, ISSN 1224-6034, cat. B.
16. LASCU MIHAELA RUXANDRA, Dan Lascu, *Penetration of a low-frequency E-wave and H-wave into a multilayered conducting cylinder*, Buletinul Științific al Universității Politehnica din Timișoara, România, Tomul 43 (57), 1998, Fascicola 2, Vol. II, pp. 31-36, ISSN 1224-6034, cat. B.
17. LASCU MIHAELA RUXANDRA, *Field Equations in Cylindrically and Spherically Multilayered Structure*, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 42 (56), Fascicola 1, 1997, pp. 83 – 90, ISSN 1224-6034, cat. B.
18. LASCU MIHAELA RUXANDRA, *Quarz-Sensoren mit eingebautem Ladungsverstärker*, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrical Engineering, Electronics and Communications), Tom 41 (55), Fascicola 1, pp. 45-50, 1996, cat. B.
19. LASCU MIHAELA RUXANDRA, *Temperatur-Sensoren mit mikroprozessorlesbaren Ausgangssignal*, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrical Engineering, Electronics and Communications), Tom 43 (57), Fascicola 1, pp. 51-58, 1996, cat. B.
20. LASCU MIHAELA RUXANDRA, *EMV-Gesichtspunkten bei der IC und PBC-Entwicklung*, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 41 (55), Fascicola 2, pp. 79 – 88, 1996, cat. B.
21. LASCU MIHAELA RUXANDRA, *Einfluß der Aperturen auf das Abgestrahlte Elektromagnetische Feld*, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Electrotehnică, Electronică și Telecomunicații (Transactions on Electrotechnics, Electronics and Communications), Tom 41 (55), Fascicola 2, pp. 89 – 98, 1996, cat. B.

F. LUCRĂRI PUBLICATE ÎN VOLUMELE UNOR CONFERINȚE

F1. Lucrări publicate în CONFERINȚE INDEXATE WEB OF SCIENCE (ISI) DIN STRĂINĂTATE

1. Jurca T, Paulescu E., Dughir C., LASCU MIHAELA RUXANDRA, Gavrilă P., De Sabata A, Luminosu I, De Sabata C., Paulescu M, *Global Solar Irradiation Modeling and Measurement in Timișoara*, PHYSICS CONFERENCE (TIM-10), Book Series: AIP Conference Proceedings, Volume: 1387, pp. 253-258, DOI: 10.1063/1.3647083, Published: 2011, Location: Timisoara, ROMANIA, Date: NOV 25-27, 2010, ISBN 073540951X, 9780735409514.
2. Pavol Bauer, Lascu Dan, LASCU MIHAELA RUXANDRA, Popescu Viorel, Negoitescu Dan, Babaita Mircea, Popovici Adrian, *E-learning Practical Teaching of Uncontrolled Rectifiers*, 13TH EUROPEAN CONFERENCE ON POWER ELECTRONICS AND APPLICATIONS, EPE 2009, 8-10 September, Barcelona VOLS 1-9, pp. 840-1849, 2009, ISBN 978-1-4244-4432-8.
3. LASCU MIHAELA RUXANDRA, Dan Lascu, *LabVIEW Based Biomedical Signal Acquisition and Processing*, Proceedings of the 7th WSEAS International Conference on Signal, Speech and Image Processing, Beijing, China, LECTURE NOTES IN SIGNAL SCIENCE, INTERNET AND EDUCATION (SSIP'07/MIV'07/DIWEB'07), Book Series: ELECTRICAL AND COMPUTER, ENGINEERING, pp. 38-43, Published: 2007, Conference: 7th WSEAS International Conference on Signal, Speech and Image Processing/7th WSEAS, International Conference on Multimedia, Internet and Video Technologies/7th WSEAS International Conference on Distance Learning and Web Engineering, Location: Beijing Jiaotong Univ, Beijing, PEOPLES R CHINA, Date: SEP 15-17, 2007, ISSN: 1790-5117, ISBN: 978-960-6766-07-7.
4. LASCU MIHAELA RUXANDRA, Dan Lascu, *LabVIEW Event Detection using Pan – Tompkins Algorithm*, Proceedings of the 7th WSEAS International Conference on Signal, Speech and Image Processing, Beijing, China, LECTURE NOTES IN SIGNAL SCIENCE, INTERNET AND EDUCATION (SSIP'07/MIV'07/DIWEB'07), Book Series: ELECTRICAL AND COMPUTER ENGINEERING, pp. 32-37, Published: 2007, Conference: 7th WSEAS International Conference on Signal, Speech and Image Processing/7th WSEAS International Conference on Multimedia, Internet and Video Technologies/7th WSEAS International Conference on Distance Learning and Web

Engineering, Location: Beijing Jiaotong Univ, Beijing, PEOPLES R CHINA, Date: SEP 15-17, 2007, ISSN: 1790-5117, ISBN: 978-960-6766-07-7.

5. LASCU MIHAELA RUXANDRA, Dan Lascu, *Electrocardiogram Compression and Optimal Filtering Algorithm*, Proceedings of the 7th WSEAS International Conference on Signal, Speech and Image Processing, Beijing, China, LECTURE NOTES IN SIGNAL SCIENCE, INTERNET AND EDUCATION (SSIP'07/MIV'07/DIWEB'07), Book Series: ELECTRICAL AND COMPUTER ENGINEERING, pp. 26-31, Published: 2007, Conference: 7th WSEAS International Conference on Signal, Speech and Image Processing/7th WSEAS International Conference on Multimedia, Internet and Video Technologies/7th WSEAS International Conference on Distance Learning and Web Engineering, Location: Beijing Jiaotong Univ, Beijing, PEOPLES R CHINA, Date: SEP 15-17, 2007, ISSN: 1790-5117, ISBN: 978-960-6766-07-7.
6. LASCU MIHAELA RUXANDRA, *Finite-Element Method Applied in Design of Absorbers*, Fourteenth International Wroclaw Symposium and Exhibition on Electromagnetic Compatibility, ELECTROMAGNETIC COMPATIBILITY 1998, pp. 295-299, Published: 1998, Location: WARSAW, POLAND, Date: JUN 23-25, 1998 ISBN 83-901999-6-3.
7. LASCU MIHAELA RUXANDRA, *Measurement Techniques for Determination of Shielding Effectiveness Characterizing Shielded Coaxial Cables*, PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, Optim 2008, VOL I, pp. 59-64, 2008, Location: Brasov, ROMANIA, Date: MAY 22-23, ISBN: 978-1-4244-1544-1.

F2. Lucrări publicate în CONFERINȚE INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (BDI)

1. Calinoiu Delia, Ionel Raul, LASCU MIHAELA RUXANDRA, Cioabla Adrian, Arduino and LabVIEW in Educational Remote Monitoring Applications, 2014 IEEE FRONTIERS IN EDUCATION CONFERENCE PROCEEDINGS, pages 245-249, 2014, ISBN: 978-1-4799-3921-3.
2. Cioablă Adrian, LASCU MIHAELA RUXANDRA, Ionel Raul, Educational Biogas Installation Monitoring using Virtual Instrumentation Concepts, 2014 IEEE FRONTIERS IN EDUCATION CONFERENCE PROCEEDINGS, 2014 IEEE FRONTIERS IN EDUCATION CONFERENCE PROCEEDINGS, pages 214-222, ISBN: 978-1-4799-3921-3.
3. LASCU MIHAELA RUXANDRA, Dan Lascu, Ioan Lie, Mihail Tanase, *Compression, Noise Removal and Comparison in Digital Mammography using LabVIEW*, Proceedings of the 10th WSEAS International Conference on COMPUTERS, Vouliagmeni, Athens, Greece, pp. 671-676, July 13-15, 2006, ISSN: 1790-5117, ISBN: 960-8457-47-5.
4. Dan Lascu, LASCU MIHAELA RUXANDRA, Ioan Lie, Mihail Tanase, *A New Quadratic Boost Converter with PFC Applications*, Proceedings of the 10th WSEAS

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6. Mihail Eugen Tanase, Ioan Lie, Dan Lascu, LASCU MIHAELA RUXANDRA, *About the FPGA Implementation in the Electronic Equipment for the Movement Properties Telemetry*, Proceedings of the 10th WSEAS International Conference on CIRCUITS, Vouliagmeni, Athens, Greece, pp. 45-49, July 10-12, 2006, ISSN: 1790-5117, ISBN: 9608457-47-5.
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8. LASCU MIHAELA RUXANDRA, *The Study of the Behaviour of a multilayered Screen Polarizer Using the Finite Element Method*, 16th International Wroclaw Symposium and Exhibition of Electromagnetic Compatibility, pp. 145-150, June 25-28, 2002, Wroclaw, Poland, ISBN: 83-901999-8-X.
9. LASCU MIHAELA RUXANDRA, *Finite element method applied in modeling perturbations on printed circuit boards*, Proceedings of 15th International Wroclaw Symposium and Exhibition on Electromagnetic Compatibility, Vol.1, pp. 75-78, June 27-30, 2000, Wroclaw, Poland, ISBN: 83-901999-8-X.
10. Dan Lascu, LASCU MIHAELA RUXANDRA, *Unified Models For The Series Resonant Converters*, Proceedings of the 6th International Conference on Optimization of Electrical and Electronic Equipments, OPTIM'98, May 14-15, 1998, Brasov, Vol. 2, pp. 361-364, ISBN 973-98511-2-6.
11. LASCU MIHAELA RUXANDRA, *Time-harmonic electromagnetic analysis of a braided shield*, SCS 2001 International Symposium on Signals, Circuits and Systems, pp. 129-132, July 10-11, 2001, Iasi, Romania ISBN 973-99210-6-X.
12. LASCU MIHAELA RUXANDRA, Lascu Dan, *Electromagnetic field analysis of arbitrarily shaped 2-D slotted screens using a hybrid generalized scattering matrix finite-element method*, SCS'99 International Symposium on Signals, Circuits and Systems, pp. 65-68, July 6-7, 1999, Iasi, Romania, ISBN: 973-99210-6-X.
13. Lascu Dan, LASCU MIHAELA RUXANDRA, *Exact small-signal analysis of PWM converters with feedforward*, Proceedings of the 7th International Conference on

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2. LASCU MIHAELA RUXANDRA, *Airplane Engines Testing System Using Labview And Fieldpoint*, International Conference Communications 2002, Military Technical Academy "Politehnica" University of Bucharest and IEEE Romanian Section, 5-7 December 2002, Bucharest, Romania, pp. 497-501, ISBN 973-8290-67-8.
3. LASCU MIHAELA RUXANDRA, *Logging Temperature Data to a Remote Database*, International Conference Communications 2002, Military Technical Academy "Politehnica" University of Bucharest and IEEE Romanian Section, 5-7 December 2002, Bucharest, Romania, pp. 493-496, ISBN 973-8290-67-8.
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5. LASCU MIHAELA RUXANDRA, *Time-Harmonic Electro-magnetic Analysis of a Braided Shield*, International Symposium on Signals Circuits and Systems Proceedings, 10-11 Iulie 2001, Iași, pp.129-132., ISBN 973-99210-6-X.
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7. LASCU MIHAELA RUXANDRA, Lascu Dan, *Mesh regularization of electromagnetic fields in EMC using scattering - hybrid methods*, International Conference "Communications 2000" Proceedings, Bucharest Romania, December 7-9 , 2000, pp.142-145, ISBN 973-8290-67-8.
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10. LASCU MIHAELA RUXANDRA, LASCU DAN, *Finite Element Method Analysis of HF Antennas on Helicopter Airframes*, Lucrările celei de a XXVIII-a Sesiuni de Comunicări Științifice cu participare internațională, organizată cu ocazia sărbătoririi a 50 de ani de la înființarea Academiei Tehnice Militare, București, 21-22 Octombrie 1999, pp. 208-215, ISBN 973-8290-67-8.
11. LASCU MIHAELA RUXANDRA, LASCU DAN, *Numerical Corroboration of an Finite Element Method Thin-Slot Model for Slots Near Corners of Shielding Enclosures*, Lucrările celei de a XXVIII-a Sesiuni de Comunicări Științifice cu participare internațională, organizată cu ocazia sărbătoririi a 50 de ani de la înființarea Academiei Tehnice Militare, București, 21-22 Octombrie 1999, pp. 216-219, ISBN 973-8290-67-8.
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G. PROIECTE ȘI GRANTURI CÂȘTIGATE PRIN COMPETIȚIE

G1. GRANTURI/PROIECTE NAȚIONALE CÂȘTIGATE PRIN COMPETIȚIE - DIRECTOR/RESPONSABIL

1. TEHNICI MODERNE DE PRELUCRARE SI TRANSMITERE HIPERMEDIA A SEMNALELOR BIOMEDICALE - NR. 58GR/19.05.2006, COD CNCSIS 369/2007 TEMA 19.
2. TEHNICI MODERNE DE PRELUCRARE SI TRANSMITERE HIPERMEDIA A SEMNALELOR BIOMEDICALE - NR. 58GR/19.05.2006, COD CNCSIS 369/2006 TEMA 9.

G2. GRANTURI/PROIECTE INTERNAȚIONALE CÂȘTIGATE PRIN COMPETIȚIE – MEMBRU

1. LEONARDO E-LEARNING DISTANCE INTERACTIVE PRACTICAL EDUCATION (EDIPE) CZ/06/B/PP-168022 - 2006, 2007, 2008.

2. NATIONAL INSTRUMENTS EDUCATIONAL EQUIPMENT GRANT 09-09-008388/2006.

G3. GRANTURI/PROIECTE NAȚIONALE CĂȘTIGATE PRIN COMPETIȚIE – MEMBRU

1. ȘCOALA UNIVERSITARA DE FORMARE INIȚIALA ȘI CONTINUA A PERSONALULUI DIDACTIC ȘI A TRAINERILOR DIN DOMENIUL SPECIALIZARILOR TEHNICE ȘI INGINEREȘTI - DIDATEC, COD CONTRACT:
POSDRU/87/1.3/S/60891.
2. REȚEA NATIONALA DE FORMARE CONTINUA A CADRELOR DIDACTICE DIN INVATAMANTUL PREUNIVERSITAR PROFESIONAL SI TEHNIC - CONCORD POSDRU/87/1.3/S/61397.
3. PROIECT CERCETARI PRIVIND ELABORAREA ȘI PROMOVAREA SOLUȚIILOR DE ARHITECTURA SOLARA PENTRU SISTEME PV INTEGRATE ÎN CLADIRI - PASOR - CONTRACT DE PARTENERIAT PENTRU EXECUȚIE PROIECTE NR.3/21039 - 2007,2008,2009, 2010.
4. OPTIMIZAREA FUNCTIONARII HIDROGENERATOARELOR ELECTRICE PRIN MODERNIZAREA SISTEMELOR DE EXCITATIE ÎN VEDEREA CREȘTERII EFICIENȚEI ENERGETICE SI COMPETITIVITATII LOR, CONTRACT NR. 21040 CNMP ÎN CADRUL PROGRAMULUI 4 PLANUL NAȚIONAL PNCDI - 2007, 2008, 2009, 2010.
5. SUPRAVEGHEREA ELECTROMAGNETICA LA SPITALUL CLINIC JUDEȚEAN NR. 1 DIN TIMISOARA, MEC CNCSIS - NR.58GR/19.05.2004, COD CNCSIS - 2005, 2006.
6. CALIBRAREA ANTENELOR PRIN METODA AUTORECIPROCATII, ANSTI, POZ.28-3831/2000,2001.
7. BAZA DE CERCETARE CU UTILIZATORI MULTIPLI (BCUM) PENTRU INGINERIA TENSIUNILOR ÎNALTE SI COMPATIBILITATE ELECTROMAGNETICA, CNCSU 34/7004/1998-2002.
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