

LISTA DE PUBLICAȚII

Candidat la postul de CONFERENȚIAR Pozitia 26

Dr. Ing. ȘTEȚ DENISA LILIANA

I. LUCRĂRI CONSIDERATE RELEVANTE PENTRU REALIZĂRILE PROFESIONALE PROPRII

- I.1. Denisa Stet**, Dan Micu, Andrei Ceclan, Levente Czumbil, Mihai Munteanu, Mihaela Cretu, Anca Nicu, *Numerical Modelling of a Wind Farm Located in the South area of Romania through Equivalent Electrical Circuits*, 49th International Universities Power Engineering Conference (UPEC'2014). *cotata ISI Thomson Reuters*
- I.2. Denisa Stet**, D.D. Micu, L. Czumbil, E. Simion, *Numerical Evaluation of Self and Mutual Earth Return Impedances*, in Carpathian Journal of Electrical Engineering, vol. 8, no. 1, 2014. *cotata BDI*
- I.3. Denisa Stet**, Dan Micu, Levente Czumbil, Bogdan Manea, *Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines*, International Conference And Exposition On Electrical And Power Engineering (EPE), pp. 231-236, 2014. *cotata ISI Thomson Reuters*
- I.4. Denisa Stet**, Levente Czumbil, Liviu Ancas, *Investigation of Electromagnetic Interferences Issues*, 8th International Symposium On Advanced Topics In Electrical Engineering, Bucuresti, 2013. *cotata ISI Thomson Reuters*
- I.5. L. Czumbil, Denisa Stet**, D.D. Micu, V. Topa, L. Ancas, *Induced voltage and current computation for different HVPL operating conditions*, in IEEE International Symposium on Electromagnetic Compatibility, 2012 *cotata BDI*
- I.6. Denisa Stet**, Levente Czumbil, Dan Micu, Olivia Miron, *Corosion Evaluation and Mitigation on Metallic Pipelines*, in Proceedings of International Conference And Exposition On Electrical And Power Engineering (EPE 2012), pp. 554-559, 2012. *cotata ISI Thomson Reuters*
- I.7. Dan Micu, Levente Czumbil, Georgios Christoforidis, Andrei Ceclan, Denisa Stet**, *Evaluation of induced AC voltages in underground metallic pipeline*, in COMPEL-The International Journal For Computation And Mathematics, vol. 31, no. 4, pp. 1133-1143, 2012. *cotata BDI*
- I.8. Denisa Stet**, Dan Micu, Levente Czumbil, Laura Darabant, Andrei Ceclan, *Simulation of interferences between power lines and gas pipelines in unbalanced phase currents state*, in COMPEL-The International Journal for Computation and

Mathematics In Electrical And Electronic Engineering, vol. 31, no. 4, pp. 1178-1189, 2012. *cotata BDI*

- I.9.** Micu, D.D.; Czumbil, L.; Ceclan, A.; Darabant, L.; **Denisa Șteț**, Christoforidis, G.; *Electromagnetic Interferences Between HV Power Lines And Metallic Pipelines Evaluated With Neural Network Technique*, 10th International Conference on Electrical Power Quality and Utilisation (EPQU'09), DOI 10.1109/EPQU.2009.5318842; 2009 *cotata ISI Thomson Reuters*
- I.10.** **Denisa Șteț**; Dan Doru Micu; Camelia Avram; Laura Darabant, *Combined Methods For Solving Inductive Coupling Problems*, 7th International Symposium on Advanced Topics In Electrical Engineering (ATEE), 12-14 mai 2011, Bucuresti, Romania, ISSN: 2068-7966, INSPEC Accession Number: 12119019; 2011. *cotata ISI Thomson Reuters*

II. TEZA DE DOCTORAT

- II.1.** Titlul Tezei de Doctorat: *Contribuții la metode de modelare și predicție a interferențelor electromagnetice în curent alternativ*,
Conducător științific Prof.dr.ing. Emil SIMION

III. LUCRĂRI DIDACTICE/ CARTI

- III.1.** **Denisa Șteț**, Dan D. Micu, Levente Czumbil, *Analiza, modelarea și predicția fenomenelor de interferență electromagnetică dintre liniile electrice de înaltă tensiune și structurile metalice învecinate. Complemente de matematici, 318 pagini*, Ed. Mediamira, Cluj-Napoca, 2016, ISBN 978-973-713-336-6.
- III.2.** Dan D. Micu, Laura Creț, **Denisa Șteț**, Mihaela Crețu, Levente Czumbil, Andrei CECLAN, *Teoria circuitelor electrice, Probleme*, 281 pagini, Ed. U.T.Press Cluj-Napoca, 2016, ISBN 978-606-737-140-6.
- III.3.** **Denisa Șteț**, Laura Darabant, Mihaela Crețu, *Compatibilitate Electromagnetică. Îndrumător de laborator*, 122 pagini, Ed. U.T.Press Cluj-Napoca, 2016, ISBN 978-606-737-172-7.
- III.4.** Laura Darabant, Mihaela Crețu, **Denisa Șteț**, *Analiza numerică a circuitelor electrice. Îndrumător de laborator*, 151 pagini, Ed. U.T.Press Cluj-Napoca, 2016, ISBN 978-606-737-155-0.
- III.5.** Dan D. Micu, Laura CREȚ, **Denisa DUMA**, *Teoria circuitelor electrice, Culegere de probleme*, 328 pagini, U.T.Press Cluj-Napoca, 2005, ISBN 973-662-184-7.

IV. ARTICOLE IN EXTENSO ÎN REVISTE COTATE ȘI ÎN VOLUME PROCEEDINGS INDEXATE ISI THOMSON REUTERS

- IV.1. Levente Czumbil, Dan Micu, Calin Munteanu, **Denisa Stet**, *Optimization of Pipeline-Overhead Line Right-of-Way using Genetic Algorithms*, 9th International Symposium on Advanced Topics In Electrical Engineering (ATEE), pp. 531-534, 2015.
- IV.2. T. Micu, D.O. Micu, **Denisa Stet**, *A Geometrical Method for Conducting Spheres in Electrostatic Field*, Revue Roumain de Science Technique. – Électrotechnique et électroénergétique, 2015.
- IV.3. Levente Czumbil, **Denisa Stet**, Dan Micu, Stefan Braicu, Bogdan Manea, Sorin Spinean, *Analysis of Induced Electromagnetic Perturbations in Electrical and Telecommunication Cables due to Lightning Currents*, in 2014 49th International Universities Power Engineering Conference (UPEC), 2014.
- IV.4. **Denisa Stet**, Dan Micu, Andrei Ceclan, Levente Czumbil, Mihai Munteanu, Mihaela Cretu, Anca Nicu, *Numerical Modelling of a Wind Farm Located in the South area of Romania through Equivalent Electrical Circuits*, 49th International Universities Power Engineering Conference (UPEC), 2014.
- IV.5. **Denisa Stet**, Dan Micu, Levente Czumbil, Bogdan Manea, *Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines*, International Conference And Exposition On Electrical And Power Engineering (EPE), pp. 231-236, 2014.
- IV.6. **Denisa Stet**, Levente Czumbil, Liviu Ancas, *Investigation of Electromagnetic Interferences Issues*, 8th International Symposium On Advanced Topics In Electrical Engineering, Bucuresti, 2013.
- IV.7. Levente Czumbil, Dan Micu, **Denisa Stet**, Georgios Christoforidis, Liviu Ancas, *HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures*, 48th International Universities' Power Engineering Conference (UPEC), DOI 10.1109/UPEC.2013.6714945, 2013.
- IV.8. **Denisa Stet**, Levente Czumbil, Dan Micu, Olivia Miron, *Corosion Evaluation and Mitigation on Metallic Pipelines*, in Proceedings of International Conference And Exposition On Electrical And Power Engineering (EPE 2012), pp. 554-559, 2012.
- IV.9. Dan Micu, Levente Czumbil, Georgios Christoforidis, Andrei Ceclan, **Denisa Stet**, *Evaluation of induced AC voltages in underground metallic pipeline*, in COMPEL-The International Journal For Computation And Mathematics, vol. 31, no. 4, pp. 1133-1143, 2012.

- IV.10.** Laura Darabant, Mihaela Cretu, Radu Ciupa, Dan Micu, **Denisa Stet**, *Assessment of the electric field induced in the human tissue during magnetic stimulation of the spinal cord*, in COMPEL-The International Journal for Computation and Mathematics in Electrical And Electronic Engineering, vol. 31, no. 4, pp. 1164-1172, 2012.
- IV.11.** **Denisa Stet**, Dan Micu, Levente Czumbil, Laura Darabant, Andrei Ceclan, *Simulation of interferences between power lines and gas pipelines in unbalanced phase currents state*, in COMPEL-The International Journal for Computation and Mathematics In Electrical And Electronic Engineering, vol. 31, no. 4, pp. 1178-1189, 2012.
- IV.12.** Dan Micu, Levente Czumbil; Andrei Ceclan; Anca Mutu; **Denisa Stet**, *Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem*, vol. 47, no. 5, pp. 1410-1413, 2011, INSPEC Accession Number: 11362164, DOI: 10.1109/CEFC.2010.5481648.
- IV.13.** **Denisa Şteţ**; Dan Doru Micu; Camelia Avram; Laura Darabant, *Combined Methods For Solving Inductive Coupling Problems*, 7th International Symposium on Advanced Topics In Electrical Engineering (ATEE), 12-14 mai 2011, Bucuresti, Romania, ISSN: 2068-7966, INSPEC Accession Number: 12119019; 2011.
- IV.14.** R. Cret, L. Darabant, D.D. Micu, M. Plesa, A. Turcu, **Denisa Şteţ**, *Study Of The Factors That Influence The Effective Permittivity Of The Dielectric Mixtures*. Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, 56 (1), pp. 69-78, 2011.
- IV.15.** Laura Darabant, Mihaela Plesa, Dan Doru Micu, **Denisa Şteţ**, Radu Ciupa, Adrian Darabant, *Energy Efficient Coils for Magnetic Stimulation of Peripheral Nerves*, IEEE Transactions on Magnetics, vol. 45, nr. 3, 2009, pag. 1690-1693, INSPEC Accession Number 10499073, Digital Object Identifier: 10.1109/TMAG.2009.2012783; 2009.
- IV.16.** Micu, D.D.; Czumbil, L.; Ceclan, A.; Darabant, L.; **Denisa Şteţ**, Christoforidis, G.; *Electromagnetic Interferences Between HV Power Lines And Metallic Pipelines Evaluated With Neural Network Technique*, 10th International Conference on Electrical Power Quality and Utilisation (EPQU'09), DOI 10.1109/EPQU.2009.5318842; 2009.
- IV.17.** Dan D. Micu, A. Ceclan, Laura Darabant, **Denisa Şteţ**, *Analytical And Numerical Development Of The Electromagnetic Interference Between A High-Voltage Power Line And An Underground Structures*, 6th International Symposium on Advanced Electromechanical Motion Systems (Electromotion), 1-3 July 2009, Lille, France, ISBN: 978-2-915913-25-5, EAN: 9782915913255, Nr. Revistei 78719; DOI: 10.1109/ELECTROMOTION.2009.5259090; 2009.
- IV.18.** Micu Dan Doru, Ceclan Andrei, Darabant Laura, **Denisa Şteţ**, *Inductive and Conductive Interference Problems for Practical Cases Solved with Special*

Interpolation Algorithms, Proceedings of the Universities Power Engineering Conference, 1-4 September 2008, Padova, Italia, pag.214-216, IEEE Explore Compendex 14.1104/UPEC ISBN 978-88-89884-09-06, Nr.revistei 43; DOI: 10.1109/UPEC.2008.4651636; 2008.

- IV.19.** L. Cretu, M. Plesa, **Denisa Stet**, R. Ciupa, *Magnetic Coils Design for Localized Stimulation*, in 11TH Mediterranean Conference on Medical And Biological Engineering And Computing 2007, vol. 16, no. 1-2, pp. 665-668, 2007.

V. ARTICOLE IN REVISTE SI VOLUMELE UNOR MANIFESTARI STIINTIFICE INDEXATE IN ALTE BAZE DE DATE INTERNATIONALE (BDI)

- V.1.** **Denisa Stet**, Levente Czumbil, Dan D. Micu, *Electromagnetic Field Coupling Between Over-Head Power Lines and Nearby Metallic Pipelines in Case of Direct Lightning*, Annals of the University of Craiova, Electrical Engineeringseries, No.. 39, 2015, ISSN 1824-4805.
- V.2.** L. Czumbil, D.D. Micu, C. Munteanu, **Denisa Stet**, B. Tomoioaga, *Optimal design of the pipeline right-of-way nearby high voltage transmission lines using genetic algorithms*, in Proceedings of the Universities Power Engineering Conference, vol. 2015-November, 2015.
- V.3.** L. Czumbil, D.D. Micu, **Denisa Stet**, A. Ceclan, *Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines. A Neural Network Approach*, in Carpathian Journal of Electrical Engineering, vol. 9, no. 1, pp. 29-43-2015.
- V.4.** **Denisa Stet**, D.D. Micu, L. Czumbil, E. Simion, *Numerical Evaluation of Self and Mutual Earth Return Impedances*, in Carpathian Journal of Electrical Engineering, vol. 8, no. 1, 2014.
- V.5.** T. Micu, D.O. Micu, **Denisa Stet**, *A geometrical method for finding the image charges for two orthogonally conducting spheres*, International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, București, Romania, 2014, SBN: 978-147996821-3, DOI: 10.1109/ISFEE.2014.7050593
- V.6.** L. Czumbil, D.D. Micu, **Denisa Stet**, A. Ceclan, *Investigation into Tower Model Effect on Fast-Front Overvoltages in Transmission Lines*, in Acta Electrotehnica, vol. 56, no. 1-2, 2014.
- V.7.** L. Czumbil, A. Ceclan, D.D. Micu, **Denisa Stet**, M. Erchedi, S. Hanc, C. Martineac, I. Radu, A. Demean, *On Some Mitigation Solutions for an Electromagnetic Interference Problem Analysis in Underground Cables*, in Acta Electrotehnica, vol. 54, no. 5, pp. 120-125-2013, 2013.

- V.8. **Denisa Stet**, L. Czumbil, M. Erchedi, S. Hanc, L. Ancas, *Electromagnetic Interference Issues in Case of Metallic Structures*, in Acta Electrotehnica, vol. 54, no. 5, pp. 470-473-2013.
- V.9. L. Czumbil, **Denisa Stet**, D.D. Micu, V. Topa, L. Ancas, *Stream gas pipeline in proximity of high voltage power lines. Part II - Induced voltage evaluation*, in Proceedings of the Universities Power Engineering Conference, 2012.
- V.10. **Denisa Stet**, L. Czumbil, D.D. Micu, V. Topa, L. Ancas, *Stream gas pipeline in proximity of high voltage power lines. Part I - Soil resistivity evaluation*, in Proceedings of the Universities Power Engineering Conference, 2012.
- V.11. L. Czumbil, **Denisa Stet**, D.D. Micu, V. Topa, L. Ancas, *Induced voltage and current computation for different HVPL operating conditions*, in IEEE International Symposium on Electromagnetic Compatibility, 2012
- V.12. D.D. Micu, L. Czumbil, G.C. Christoforidis, **Denisa Stet**, *Software Application to Evaluate Inductive and Capacitive Couplings*, in Buletinul AGIR, vol. 17, no. 3, pp. 117-122-2012.
- V.13. **Denisa Stet**, D.D. Micu, L. Czumbil, L. Ancas, *Effects of Power Line Conditions on Nearby Gas Pipelines*, in Buletinul AGIR, vol. 17, no. 3, pp. 731-736-2012.
- V.14. Levente Czumbil, D.D. Micu, Georgios Christoforidis, Andrei Ceclan, **Denisa Șteț**, *Hybrid Method for Induced AC Voltages determination*, Modern Power Systems (MPS), 17-20 mai 2011, Publicat in Acta Electrotehnica, pag. 120-124.
- V.15. L. Czumbil, G.C. Christoforidis, D.D. Micu, D. Stet, A. Ceclan, O. Pop, *A user - Friendly software application for induced A.C. interference evaluation*, in Proceedings of the Universities Power Engineering Conference, vol. January 2011.
- V.16. L. Czumbil, Dan D. Micu, A. Ceclan, **Denisa Stet**, D.O. Micu, *Fuzzy Logic – Genetic Algorithm Method to Evaluate the Magnetic Vector Potential*, International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (WSEAS), Timisoara, Romania pp.128-133, 2010.
- V.17. **Denisa Stet**, E. Simion, D.D. Micu, L. Darabant, L. Czumbil, A. Ceclan, *Electromagnetic Interference Study Based On Professional Software*, 6th International Conference on electrical and power engineering, (EPE), Iasi, Romania, 2010.
- V.18. A. Ceclan, V. Topa, D.D. Micu, L. Czumbil, **Denisa Stet**, *On a New Procedure of Harmonic Regularization Applied in Return Stroke Current Identification*, 6th International Conference on electrical and power engineering (EPE), Iasi, Romania, 2010.
- V.19. Dan D. Micu, Levente Czumbil, Alexis Polycarpou, Andrei Ceclan, **Denisa Șteț**, *Analysis of electromagnetic interference problems through an innovative Monte Carlo -Neural Network method*, International Conference on Mediterranean Power, Med-Power 2010, 7-11 Nov. 2010, DOI 10.1049/cp.2010.0939.

- V.20. Dan D. Micu, L. Czumbil, A. Ceclan, E. Simion, **Denisa Şteţ**, Liliana Cimpan, *Neural Networks Evaluation of Electromagnetic Interferences between HV Power Lines and Underground Metallic Pipelines*, Journal of Electrical and Electronics Engineering, University of Oradea Publisher, Vol. 2, Nr. 1, May 2009, pag. 73-79, ISSN: 1844-6035.
- V.21. D.D. Micu, L. Czumbil, A. Ceclan, E. Simion, **D. Stet**, L. Cimpan, *Neural network evaluation of electromagnetic interferences between HV power lines and underground metallic pipelines*, Journal of Electrical and Electronics Engineering (EMES 2009),, ISSN: 1844-6035, Vol. 2, No. 1, pp. 73-78, 2009.
- V.22. **Denisa Şteţ**, Dan D. Micu, A. Ceclan, Laura Darabant, Mihaela Plesa, *The study of the Electromagnetic Interferences between HV Lines and Metallic Pipelines using a Professional Analysis Software*, Modern Power Systems (MPS), Cluj Napoca, Romania, Acta Electrotehnica, 2008, ISBN 1841-3323, pag. 333-337.
- V.23. Micu D.D., Lucian Man, **Denisa Şteţ**, Andrei Ceclan and Emil Simion, *Electromagnetic Interferences Between AC Systems and Metallic Structures*, International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering (ISEF), 13-15 September 2007, Prague, Czech Republic, pp. 402-404, ISBN 978-80-01-03784-3.
- V.24. **Denisa Duma**, Calin Munteanu, Dan D Micu, *Finite-Difference Time-Domain Method used in Transient Analysis of Wave Processes*, in The International Conference on Scientific Computing in Electrical Engineering (SCEE 2006), Romania, no. 978-973-718-520-4, pp. 144-146-2006.
- V.25. Dan D Micu, D. Micu, E. Simion, A. Ceclan, Laura Cret, **Denisa Duma**, *Numerical algorithm for the accurate evaluation of the induced voltages in a pipeline*, in Computational Electromagnetics (CEM), 2006 6th International Conference on, pp. 1-2-2006.
- V.26. Dan D. Micu, Andrei Ceclan, Emil Simion, Laura Cret, **Denisa Duma**, Lucian Man, *Numerical Methods Applied In Electrotechnical Applications*, Analele Universitatii din Oradea, ISSN 1223-2106, 2005, Pag. 43-46.

VI. ARTICOLE ÎN EXTENSO ÎN REVISTE COTATE B+ ŞI ÎN VOLUME PROCEEDINGS NEINDEXATE

- VI.1. Denisa Şteţ , Levente Czumbil , Dan D. Micu, George Serişan, *Effects of Lighting Strikes on Power Lines to Nearby Metallic Structures*, 10th International Conference and Exhibition on Electromechanical and Power System 2015, Chişinău, Rep. Moldova.



- VI.2.** D.D. Micu, G.C. Christoforidis, T. Papadopoulos, L. Czumbil, **Denisa Stet**, *Accurate Iterative Algorithm to Evaluate Induced Current Densities and Earth Impedances of Overhead and Buried Conductors in Electromagnetic*, 15th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC), Oita, Japan, November 11-14, 2012.
- VI.3.** Denisa Stet, L. Czumbil, D.D. Micu, L. Ancas, *Investigation of Electromagnetic Interferences on Metallic Pipelines - Induced Voltage Evaluation and Mitigation Techniques*, in 15th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC), Oita, Japan, 2012.
- VI.4.** **Denisa Şteţ**, D.D. Micu, L. Czumbil, L. Darabant, A. Ceclan, *Analysis of Electrical Interference from Power Lines to Gas Pipelines, During Different Cases of Unbalanced Phase Currents*, 4th International Conference on Electromagnetic Fields, Health and Environment (EHE), 26-28 mai 2011, Coimbra Portugalia (publicat pe CD), ISBN: 978-972-8822-22-4;
- VI.5.** Dan D. Micu, Levente Czumbil, Georgios Christoforidis, Andrei Ceclan, **Denisa Şteţ**, *Evaluation of Induced AC Voltages in Underground Metallic Pipelines*, 4th International Conference on Electromagnetic Fields, Health and Environment (EHE), 26-28 mai 2011, Coimbra Portugalia (publicat pe CD), ISBN: 978-972-8822-22-4;
- VI.6.** **Denisa Şteţ**, Dan D. Micu, Emil Simion, A. Ceclan, L. Czumbil, Carmen Lingvay, *Study of the Metallic Pipeline Corrosion Subjected to Alternating Voltage Using a Nonlinear Model*, CEM 2010, 2-4 Septembrie, 2010, Odorheiu Secuiesc, Romania.
- VI.7.** Levente Czumbil, Dan D. Micu, Andrei Ceclan, Emil Simion, **Denisa Şteţ**, *Induced a.c. potential evaluation based on a hybrid method*, EPE 2010 6th International Conference on electrical and power engineering, 28-30 oct. 2010, Iasi, Romania.
- VI.8.** Denisa Stet, D.D. Micu, A. Ceclan, L. Czumbil, C. Farcas, L. Darabant, R.Cret, *Nonlinear Model for Corrosion of Metallic Pipeline Subjected to Alternating Voltage (AV)*, in Joint MMDE- IEEE ROMSC International Conference, Iasi, Romania, 2010.
- VI.9.** Cretu Mihaela, Darabant Laura, **Denisa Şteţ**, *Numerical Simulation Of The Nerve Fibers' Active Behaviour During Magnetic Stimulation*, XIV International Symposium on Electromagnetic Fields in Mechatronics, Electrical And Electronic Engineering, Arras, Franţa, 2009, pag. 429-430, ISBN 978-2-84832-111-0.
- VI.10.** Dan D. Micu, L. Czumbil, A. Ceclan, L. Cimpan, L. Darabant, **Denisa Şteţ**, *Artificial Intelligence Techniques Applied in Electromagnetic Interference Problems*, 3rd International Conference on Electromagnetic Fields, Health and Environment, 17-19 Nov. 2009, Sao Paulo, Brazil.
- VI.11.** **Denisa Şteţ**, Dan D. Micu, E. Simion, Laura Darabant, A. Ceclan, L. Czumbil, *The Study Of Electromagnetic Interferences Between HV Power Lines And Buried Structures Using CDEGS Software*, The 6th International Workshop of

- Electromagnetic Compatibility, (CEM), 12-14 noiembrie 2009, Constanța, România.
- VI.12.** Francisc Torok Szombatfalvi, Emil Simion, Dan Doru Micu, **Denisa Șteț**, Mihaela Plesa, Laura Darabant, *Experimental Study of the Power Factor Compensation Converter*, in The 9th International Conference on Applied and Theoretical Electricity, Romania, 2008.
- VI.13.** Dan D. Micu, A. Ceclan, L. Czumbil, **Denisa Șteț**, E. Simion, *Monte Carlo simulations for an electromagnetic interference problem*, The 6th International Workshop of Electromagnetic Compatibility, (CEM), 12-14 noiembrie 2009, Constanța, România.
- VI.14.** **Denisa Șteț**, Dan D. Micu, Andrei Ceclan, Laura Darabant, *Study of Electromagnetic Interferences Between AC Systems and Metallic Structures*, European Conference and Exhibition on Electromagnetics (EUROEM 2008), 21-28 iulie 2008 Lausanne, Elvetia, (publicat pe CD).
- VI.15.** Micu D.D., **Denisa Șteț**, Ceclan Andrei, *Numerical Procedures Applied In Electromagnetic Interference Problems*, 13th Biennial IEEE Conference On Electromagnetic Field Computation (CEFC), 2008, Athens, Greece (publicat pe CD), Cd-Pd2-11(320);
- VI.16.** Simion Emil, Ceclan Andrei, Micu Dan Doru, **Denisa Șteț**, Czumbil Levente, *On Some Measurements Of Energy Quality In The National Electrical Power Grid - Part II*, 5th International Conference On Electrical & Power Engineering, EPE, Craiova, Romania, 2008, ISSN 1223-8139.
- VI.17.** Francisc Torok Szombatfalvi, Emil Simion, Dan Doru Micu, Laura Darabant, **Denisa Șteț**, *Power factor correction for single-phase loads*, 11th Symposium on Cryoelectrotechnics and Cryogenics, SCC11, Craiova, 9-11 Octombrie 2008.
- VI.18.** Dan D. Micu, Andrei Ceclan, Dan Micu, Levente Czumbil, **Denisa Șteț**, Emil Simion, *A new approach of interference problems via Monte Carlo inverse simulation*, 7rd International Conference Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids, 15-27 June 2008, Baile Felix, Romania, pp. 226-230, ISBN 978-606-521-032-5;
- VI.19.** **Denisa Șteț**, Dan D. Micu, Andrei Ceclan, Laura Darabant, *The study of inductive coupling between HV lines and metallic pipelines using a professional analysis and modeling software*, 7rd International Conference Study and control of corrosion in the perspective of sustainable development of urban distribution grids, 15-27 June 2008, Baile Felix, Romania, pp. 260-265, ISBN 978-606-521-032-5.
- VI.20.** Andrei Ceclan, Stefan Kilyeni, Constantin Barbulescu, Dan D. Micu, **Denisa Șteț**, Laura Darabant, *Condition Number as an Estimate Tool for Power Systems Small Perturbation Stability*, Scientific Bulletin of the „Politehnica” University of Timisoara, Proceedings of the 7th International Power Systems Conference, November 2007,

Timisoara, Romania, pp. 141 – 144, ISSN: 1582-7194.

- VI.21.** Pleșa Mihaela, Darabant Laura, **Denisa Șteț**, *Numerical Calculus of Binary Dielectric Mixtures Permittivity with Inclusions of Different Geometrical Shapes and Sizes*, 1st International Congress On Advanced Electromagnetic Materials In Microwaves And Optics, Metamaterials, Rome, Italy, 2007, pag. 440-443, ISSN 1873-1988.
- VI.22.** Cret, M. Plesa, Dan D. Micu, **Denisa Șteț**, E. Simion, *Remarks on the optimal design of coils for magnetic stimulation of nerve fibers*, International Conference on Electrical & Power Engineering, Iași, 12-14 Octombrie 2006, pp. 647-653, ISSN 1223-8139.
- VI.23.** **Denisa Șteț**, C. Munteanu, Dan D. Micu, *Finite-Difference Time – Domain Method Used in Transient Analysis of Wave Processes*, International Conference on Scientific Computing in Electrical Engineering, 17-21 septembrie 2006, Sinaia, Romania, pp. 144-146, ISBN 978-973-718-520-4;
- VI.24.** **Denisa Duma**, C. Munteanu, Dan D. Micu, L. Cret, E. Simion, L. Man, *Numerical Modelling Of Electromagnetic Interference Using The FDTD Method*, 5th International Conference on Electromechanical and Power Systems, octombrie 2005, Chisinau, Rep. Moldova, pp. 1025-1027, ISBN 973-716-208-0.
- VI.25.** Eugeniu Man, Lucian Man, **Denisa Duma**, Tudor Samuila – *Analysis Method For The Stability Of Controlled Sources Circuits*, The 3rd International Workshop On Advances In Numerical Computation Methods In Electromagnetism (ANCME), 27 May 2005, Brussels, Belgium, Casa Cărții de Știință Cluj, ISBN 10 973-686-798-6, Pag. 167-171.
- VI.26.** Rodica Creț, Laura Dărăbant, Cristian Fărcaș, **Denisa Șteț**, *Numerical computation of electrical characteristics of biphasic dielectric composites using the finite elements method (FEM)*, Joint MmdE- IEEE ROMSC International Conference, 6-8 iunie 2010, Iași, Romania.
- VI.27.** Dan D Micu, Emil Simion, Dan Micu, Laura Cret, **Denisa Duma**, Lucian Man, *Numerical Method for the Computation of Currents and Voltages Induced in a Pipeline*, in 5th International Conference on Electromechanical and Power Systems, Chisinau, Rep. Moldova, pp. 1021-1024-2005.
- VI.28.** L. Man, E. Man, E. Simion, Dan D. Micu, L. Cret, **Denisa Duma**, *Criteria for the Design of Symmetrizing Circuits and Simultaneous Compensation of the Reactive Power in the Three-Phase Networks*, 5th International Conference on Electromechanical and Power Systems, octombrie 2005, Chisinau, Rep. Moldova, 997-999, ISBN 973-716-208-0.
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