

LIST OF PUBLICATIONS

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ORCID: **0000-0001-8305-970X**

PhD Thesis

D. Șteț, „Contribuții la metode de modelare și predicție a interferențelor electromagnetice în curent alternativ” (Eng: *Contributions to methods of modeling and prediction of electromagnetic interference in alternating current*), PhD supervisor Prof.Dr.Eng. Emil Simion, Faculty of Electrical Engineering, Technical University of Cluj-Napoca, defended in 14 October **2010**

A. Published Books and Book Chapters

[A1] **D. Șteț**, D.D. Micu & L. Czumbil: *Analiza, Modelarea și Predicția Fenomenelor de Interferență Electromagnetică dintre Liniile Electrice de Înaltă Tensiune și Structurile Metalice Începinate. Elemente de Matematici*, Ed. Mediamira, ISBN: 978-973-713-336-6, pag. 320 Cluj-Napoca, Romania, **2016**.

[A2] D.D. Micu, L. Dărăbant, **D. Șteț**, M. Crețu, A. Ceclan & L. Czumbil: *Teoria Circuitelor Electrice. Probleme*, Ed. U.T. Press, ISBN: 978-606-737-140-6, pag. 280, Cluj-Napoca, Romania, **2016**.

[A3] **D. Șteț**, L. Darabant, M. Crețu, Compatibilitate Electromagnetică. Îndrumător de laborator, Ed. U.T.Press Cluj-Napoca, 2016, ISBN 978-606-737-172-7.

[A4] L. Darabant, M. Crețu, **D. Șteț**, Analiza numerică a circuitelor electrice. Îndrumător de laborator, 151 pagini, Ed. U.T.Press Cluj-Napoca, 2016, ISBN 978-606-737-155-0.

B. Papers published in ISI Journals

[B1] T. Micu, D.O. Micu & **D. Șteț**, „A Geometrical Method for Conducting Spheres in Electrostatic Field”, *Revue Roumain de Science Technique, Électrotechnique et électroénergétique*, 60, 4, p. 345–354, Bucharest, **2015**, **IF_2015 = 0.524** (according to: <https://uefiscdi.gov.ro/resource-84625>)

[B2] T. Micu , D.D. Micu & **D. Șteț**, „A Geometrical Method for Conducting Spheres in Electrostatic Field”, *Revue Roumain des Sciences Techniques, Électrotechnique et*

électroénergétique, ISSN 0035-4066, **2015**, **IF_2015 = 0.524** (according to: <https://uefiscdi.gov.ro/resource-84625>)

[B3] D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan & **D. Şteţ**: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, **2012**. Doi: [10.1108/0332164121122737](https://doi.org/10.1108/0332164121122737), WOS: 000308896700009, **IF_2019 = 0.59**

[B4] **D. Şteţ**, D.D. Micu, L. Czumbil, L. Dărăbant & A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, **2012**. Doi: [10.1108/03321641211227447](https://doi.org/10.1108/03321641211227447), WOS: 000308896700014, **IF_2019 = 0.59**

[B5] L. Dărăbant, M. Creţu, R. Ciupa , D. D Micu. & **D. Şteţ**, ”Assessment of the Electric Field Induced in the Human Tissue during Magnetic Stimulation of the Spinal Cord”, *COMPEL, The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, 2012, vol. 31, nr. 4, pg. 1164-1172, **IF_2019 = 0.59**

[B6] R. Creţ, L. Darabant, D. D. Micu, M. Pleşa, A. Turcu & **D. Stet**, ”Study of the factors that influence the effective permittivity of the dielectric mixtures”, *Revue Roumaine d’Electrotechnique*, 2011, vol 56, nr. 1, pg. 69-78.

[B7] L. Darabant, M. Plesa, D.D. Micu, **D. Şteţ**, R. Ciupa & A. Darabant, ”Energy Efficient Coils for Magnetic Stimulation of Peripheral Nerves”, *IEEE Transactions on Magnetics*, vol. 45, nr. 3, 2009, pag. 1690-1693, ISBN978-3-540-73043-9, WOS:000261088900173

[B8] E. Simion, V. Topa, C.Munteanu, M. Purcar, D.Lohan & **D. Duma**, ”Analysis of electromagnetic interferences phenomena on printed circuit board”, *Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique*, 2004, VOL 49; Part 4, pages 561-570, ISBN 0035-4066.

C. Articles in ISI Proceedings

[C1] M. Cretu, L. Darabant, L. Czumbil, A. Ceclan, **D. Stet** & D.D. Micu, „Demonstration Scenarios for Renewable Energy Technologies Integration in Different Pilots' Sites within the RECOGNITION Project”, *12th International Symposium on Advanced Topics in Electrical Engineering (ATEE)*, 25-27 May 2021, Bucharest, Romania, DOI:10.1109/ATEE52255.2021.9425338, WOS:000676164800164

[C2] Ş.F. Braicu, L. Czumbil, **D. Şteţ**, D.D. Micu, A. Ceclan, A. Mureşan, A. Polycarpou & E. Simion: „Interferences in High Voltage AC Power Line and Electric Railway Common Right-of-Way”, 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-

0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPS.2019.8759770 WOS: 000612401900115

[C3] M. Crețu, A. Ceclan, L. Czumbil, **D. Șteț**, B. Bârgăuan & D.D. Micu: „Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-Napoca Buildings”, 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPS.2019.8759770 WOS:000612401900138

[C4] L. Czumbil, **D. Șteț**, A. Ceclan, L. Dărăbant, M. Crețu & D.D. Micu: „Numerical Stability Studies for AC and DC Electrical Circuits”, 53rd International Universities Power Engineering Conference (UPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. Doi: 10.1109/UPEC.2018.8541993 WOS: 000468972100126

[C5] B. Bârgăuan, M. Crețu, O. Fati, A. Ceclan, L. Dărăbant, D.D. Micu, **D. Șteț** & L. Czumbil: „Energy Management System for the Demand Response in TUCN Buildings”, 53rd International Universities Power Engineering Conference (UPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. Doi: 10.1109/UPEC.2018.8541949 WOS: 000468972100095

[C6] B. Bârgăuan, O. Fati, A. Ceclan, D.D. Micu, **D. Șteț**, L. Czumbil & P. Mureșan: „Demand Response on Blocks of Buildings – Romanian Pilot Site Innovation Project”, 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. Doi: 10.1109/MPS.2017.7974433 WOS:000428462600061

[C7] **D. Șteț**, L. Czumbil, A. Ceclan, L. Dărăbant & D.D. Micu: „Implementing nZEB Skills in Romanian High Education Curricula”, 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. Doi: 10.1109/MPS.2017.7974457, WOS:000428462600085

[C8] D.O. Micu, & **D. Șteț**, „Computation of Conductive Cylinder Image Charges Using Synthesis Method”, 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. Doi: 10.1109/MPS.2017.7974457, WOS:000428462600085

[C9] D.O. Micu, **D. Șteț** & D.D. Micu, „Synthesis Method Validation for Electric Image Charges Determination”, *14th International Conference on Engineering of Modern Electric Systems (EMES)*, 01-02 June 2017, Oradea, Romania, ISBN978-1-5090-6073-3, WOS:000427085200022

[C10] L. Darabant, **D. Șteț**, M. Crețu & G. Cosovici, „ORCAD Implementation of a Frequency Response Function using Equivalent Circuits”, *10th International Symposium on Advanced Topics in Electrical Engineering (ATEE)*, 23-25 May 2017, Bucharest, Romania, WOS:000403399400021

[C11] A. Ceclan, D.D. Micu, **D. Șteț**, L. Czumbil, P. Mureșan, B. Bârgăuan, D. Dranca & H. Pop: „Urban Energy Management - Cluj-Napoca Approach”, 7th International Conference on

Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. Doi: 10.1109/MPS.2017.7974432 WOS:000428462600060

[C12] Ş.F. Braicu, L. Czumbil, D.D. Micu, **D. Şteţ**, A. Ceclan, E. Simion & H. Nouri: „Load Flow Analysis in a 110/20 kV Romanian Substation”, 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. Doi: 10.1109/MPS.2017.7974421 WOS:000428462600049

[C13] L. Czumbil, Ş.F. Braicu, D.D. Micu, **D. Şteţ** & A. Ceclan: „Analysis of Load Flow and Short-Circuit Issues in a Retrofitted 110/20 kV Romanian Substation”, 14th International Conference on Engineering of Modern Electric Systems (EMES), ISBN: 978-1-5090-6073-3, Oradea, Romania, June 1-2, 2017. Doi: 10.1109/EMES.2017.7980371 WOS: 000427085200004

[C14] Ş.F. Braicu, L. Czumbil, **D. Şteţ** & D.D. Micu: „Evaluation of the Electric and Magnetic Field Near High Voltage Power Lines”, IFMBE Proceedings, ISSN: 1680-0737, vol. 59, pp. 141-146, presented at 5th International Conference on Advancements of Medicine and Health Care through Technology (MEDITECH), Cluj-Napoca, Romania, October 12-15, 2016. Doi: 10.1007/978-3-319-52875-5_32 WOS:000426009100032

[C15] D.D. Micu, B. Bârgăuan, A. Ceclan, **D. Şteţ**, L. Czumbil, A. Căţinean & A. Polycarpou: „On a Demand Response Pilot Demonstration in the Technical University of Cluj-Napoca”, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-5090-6128-0, pp. 785-791, Iaşi, Romania, October 20-22, 2016. Doi: 10.1109/ICEPE.2016.7781445 WOS: 000390706300155

[C16] D.D. Micu, Ş.F. Braicu, L. Czumbil & **D. Şteţ**: „Load Flow and Short-Circuit Analysis in a Romanian 110/20 kV Retrofitted Substation”, 51st International Universities Power Engineering Conference, (UPEC), ISBN: 978-1-5090-4650-8, Coimbra, Portugal, September 06-09, 2016. Doi: 10.1109/UPEC.2016.8114111 WOS: 000466894400135

[C17] L. Czumbil, D.D. Micu, **D. Şteţ** & A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083

[C18] L. Czumbil, D.D. Micu, C. Munteanu, **D. Şteţ** & B. Tomoiogă: „Optimal Design of the Pipeline Right-of-Way Nearby High Voltage Transmission Lines using Genetic Algorithms”, 50th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4673-9682-0, Stoke on Trent, UK, September 01-04, 2015. Doi: 10.1109/UPEC.2015.7339841 WOS: 000377369500082

[C19] L. Czumbil, D.D. Micu, C. Munteanu & **D. Şteţ**: „Optimization of Pipeline-Overhead Line Right-of-Way using Genetic Algorithms”, 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN:978-1-4799-7514-3, pp. 531-534, Bucharest, Romania, May 07-09, 2015. Doi: 10.1109/ATEE.2015.7133865 WOS: 000368159800100

[C20] **D. Şteţ**, D.D. Micu, L. Czumbil & B. Manea: „Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4799-5849-8, pp. 231-236, Iaşi, Romania, October 16-18, 2014. Doi: 10.1109/ICEPE.2014.6969903 WOS: 000353565300038

[C21] L. Czumbil, **D. Şteţ**, D.D. Micu, S.F. Braicu, B. Manea & S. Spinean: „Analysis of Induced Electromagnetic Perturbations in Electrical and Telecommunication Cables due to Lightning Currents”, 49th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4799-6556-4, Cluj-Napoca, Romania, September 02-05, 2014. Doi: 10.1109/UPEC.2014.6934633 WOS: 000364087800039

[C22] **D. Şteţ**, D.O. Micu, A. Ceclan, L. Czumbil, M. Munteanu, M. Creţu & A. 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), ISBN: 978-1-4799-6556-4, Cluj-Napoca, Romania, September 02-05, 2014. Doi: 10.1109/UPEC.2014.6934634 WOS: 000364087800040

[C23] L. Czumbil, D.D. Micu, **D. Şteţ**, G.C. Christoforidis & L. Ancăş: „HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures”, 48th International Universities' Power Engineering Conference (UPEC), ISBN: 978-1-4799-3254-2, Dublin, Ireland, September 02-05, 2013. Doi: 10.1109/UPEC.2013.6714945 WOS: 000333750100093

[C24] **D. Şteţ**, L. Czumbil & L. Ancăş: „Investigation of Electromagnetic Interferences Issues”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111

[C25] **D. Şteţ**, L. Czumbil, D.D. Micu & O. Miron: „Corosion Evaluation and Mitigation on Metallic Pipelines”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4673-1173-1, pp. 554-559, Iaşi, Romania, October 25-27, 2012. Doi: 10.1109/ICEPE.2012.6463875 WOS: 000324685300097

[C26] **D. Şteţ**, D.D. Micu, C. Avram & L. Darabant, „Combined methods for solving inductive coupling problems”, *Advanced Topics in Electrical Engineering (ATEE)*, 12-14 May 2011, Bucharest, Romania, Print ISBN: 978-1-4577-0507-6, WOS:000310701200115

[C27] D.D. Micu, L. Czumbil, A. Ceclan, L. Dărăbant, **D. Şteţ** & G.C. Christoforidis: „Electromagnetic Interferences Between HV Power Lines and Metallic Pipelines Evaluated with Neural Network Technique”, 10th International Conference on Electrical Power Quality and Utilisation (EPQU), ISBN: 978-1-4244-5171-5, Lodz, Poland, September 15-17, 2009. Doi: 10.1109/EPQU.2009.5318842 WOS: 000274778700024

D. Papers indexed in International Data Bases

[D1] D. Şteţ; L. Czumbil; A. Ceclan; S. Cirstea & all, „Educational and Training Program to Increase SME’s Energy Efficiency Skills”, *56th International Universities Power Engineering Conference (UPEC)*, Middlesbrough, United Kingdom, 31 Aug.-3 Sept. 2021, DOI: [10.1109/UPEC50034.2021.9548263](https://doi.org/10.1109/UPEC50034.2021.9548263) (IEEEExplore)

[D2] C. M. Mureşan; D. Şteţ; Ş. Cîrste & L. Czumbil, „Integrated approach in designing photovoltaic power plant”, *9th International Conference on Modern Power Systems (MPS)*, 16-17 June 2021, Cluj-Napoca, Romania, DOI: [10.1109/MPS52805.2021.9492703](https://doi.org/10.1109/MPS52805.2021.9492703) (IEEEExplore)

[D3] T. Farkas; L. Czumbil; M. Creţu; L. Darabant; D. Stet; A. Ceclan; A. Polycarpou & D.D. Micu, „Assessment of the Romanian pilot site energy consumption indicators and technical prerequisites in the implementation of the RE-COGNITION Horizon project”, *9th International Conference on Modern Power Systems (MPS)*, 16-17 June 2021, Cluj-Napoca, Romania, DOI: [10.1109/MPS52805.2021.9492703](https://doi.org/10.1109/MPS52805.2021.9492703) (IEEEExplore)

[D4] D. Şteţ, L. Czumbil, D.D. Micu, A. Polycarpou, A. Ceclan & M. Creţu: „Power Factor Correction using EMTP-RV for Engineering Education”, *54th International Universities Power Engineering Conference (UPEC)*, ISBN: 978-1-7281-3349-2, Bucharest, Romania, September 3-6, 2019. DOI: [10.1109/UPEC.2019.8893477](https://doi.org/10.1109/UPEC.2019.8893477) (IEEEExplore)

[D5] M. Creţu, L. Czumbil, B. Bârgăuan, D. Şteţ, A. Ceclan, A. Polycarpou, R. Rizzo & D.D. Micu: „Modeling and Forecasting Energy Demand in TUCN Buildings”, *International Conference on Clean Electrical Power (ICCEP)*, ISBN: 978-1-7281-1356-2, Otranto, Italy, July 2-4, 2019. DOI: [10.1109/ICCEP.2019.8890113](https://doi.org/10.1109/ICCEP.2019.8890113) (IEEEExplore)

[D6] L. Czumbil, D.D. Micu, D. Şteţ & A. Ceclan: „Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines. A Neural Network Approach”, *Carpathian Journal of Electrical Engineering (CJEE)*, ISSN: 1843-7583, vol. 9, no. 1, pp. 29-44, 2015. (Scopus)

[D7] D. Şteţ, D.D. Micu, L. Czumbil & E. Simion: „Numerical Evaluation of Self and Mutual Earth Return Impedances”, *Carpathian Journal of Electrical Engineering (CJEE)*, ISSN: 1843-7583, vol. 8, no. 1, pp. 13-25, 2014. (Scopus)

[D8] L. Czumbil, D. Şteţ, D.D. Micu, V. Ţopa & L. Ancăş: „Induced Voltage and Current Computation for Different HVPL Operating Conditions”, *International Symposium on Electromagnetic Compatibility, (EMC Europe)*, ISBN: 978-1-4673-0718-5, Rome, Italy, September 17-21, 2012. Doi: [10.1109/EMCEurope.2012.6396842](https://doi.org/10.1109/EMCEurope.2012.6396842), (IEEEExplore, Scopus)

[D9] D. Şteţ, L. Czumbil, D.D. Micu, V. Ţopa & L. Ancăş: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part I - Soil Resistivity Evaluation”, *47th International Universities' Power Engineering Conference, (UPEC)*, ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: [10.1109/UPEC.2012.6398445](https://doi.org/10.1109/UPEC.2012.6398445), (IEEEExplore, Scopus)

[D10] L. Czumbil, D. Şteţ, D.D. Micu, V. Ţopa & L. Ancăş: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation”, *47th International*

Universities' Conference on Power Energy, (UPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, **2012**. Doi: [10.1109/UPEC.2012.6398444](https://doi.org/10.1109/UPEC.2012.6398444), (**IEEEExplore, Scopus**)

[D11] L. Czumbil, G.C. Christoforidis, D.D. Micu, **D. Şteţ**, A. Ceclan & O. Pop: „A User-Friendly Software Application for Induced A.C. Interference Evaluation”, *46th International Universities' Power Engineering Conference, (UPEC)*, ISBN: 978-3-8007-3402-3, Soest, Germany, September 05-08, **2011**. (**IEEEExplore**)

[D12] L. Czumbil, D.D. Micu, A. Ceclan, **D. Şteţ** & D.O. Micu: „Fuzzy Logic - Genetic Algorithm Method to Evaluate the Magnetic Vector Potential”, *12th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering, (MMACTEE)*, pp. 128-133, Timişoara, Romania, October 21-23, **2010**. (**Scopus**)

[D13] D.D. Micu, L. Czumbil, A. Ceclan, A. Mutu & **D. Şteţ**: „Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem”, *14th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC)*, ISBN: 978-1-4244-7059-4, Chicago, USA, May 9-12, **2010**. Doi: [10.1109/CEFC.2010.5481648](https://doi.org/10.1109/CEFC.2010.5481648) (**IEEEExplore, Scopus**)

[D14] D.D. Micu, L. Czumbil, A. Ceclan, E. Simion, **D. Şteţ** & L. Cîmpan: „Neural Network Evaluation of Electromagnetic Interference between HV Power Lines and underground Metallic Pipelines”, *Journal of Electrical and Electronics Engineering*, ISSN: 1844-6035, vol. 2, no. 1, pp. 73-78, **2009**. (**Scopus, EBSCO, DOAJ**)

[D15] D.D. Micu, A. Ceclan, L. Darabant & **D. Stet**, „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 2009*, July 1-3, **2009**, Lille, France, ISBN: 978-2-915913-25-5, EAN: 9782915913255, 10.1109/ELECTROMOTION.2009.5259090

[D16] D.D. Micu, A. Ceclan, L. Darabant & **D. Stet**, „Inductive and conductive interference problems for practical cases solved with special interpolation algorithms”, *43rd International Power Engineering Conference*, 1-4 september **2008**, Padova, Italy, pp. 214-216, 14.1104/UPEC, ISBN 978-88-89884-09-6, 2008. 10.1109/UPEC.2008.4651636

[D17] D.D. Micu, E. Simion, D. Micu, A. Ceclan, L. Cret & **D. Duma**, „Numerical algorithm for the accurate evaluation of the induced voltages in a pipeline”, *6th International Conference on Computational Electromagnetics*, Aachen, Germany, April 4-6, **2006**, pp. 230-232, ISBN 978-3-8007-2957-9, ISBN (Compel) 3-8007-2957-1. Print ISBN: 978-3-8007-2957-1

E. Papers published in Romanian B+ Journals

[E1] **D. Şteţ**, L. Czumbil & D.D. Micu: „Electromagnetic Field Coupling Between OverHead Power Lines and Nearby Metallic Pipelines in Case of Direct Lightning”, *Annals of the University of Craiova, Electrical Engineering series*, ISSN: 1842-4805, vol. 39, pp. 101-106, *10th*

International conference on Electromechanical and Power Systems (SIELMEN), Chişinău, Rep. Moldova, October 8-9, **2015**.

[E2] L. Czumbil, D.D. Micu, **D. Şteţ** & A. Ceclan: „Investigation into Tower Model Effect of Fast-Front Overvoltages in Transmission Lines”, *Acta Electrotehnica*, ISSN: 1841-3323, vol. 56, no. 1-2, pp. 9-14, **2014**.

[E3] L. Czumbil, A. Ceclan, D.D. Micu, **D. Şteţ**, M. Erchedi, S. Hanc, C. Martineac, I. Radu, & A. Demean: „On Some Mitigation Solutions for an Electromagnetic Interference Problem Analysis in Underground Cables”, *Acta Electrotehnica*, ISSN: 1841-3323, vol. 54, no. 5, Special Issue: *Proceedings of the 5th International Conference on Modern Power Systems (MPS)*, pp. 120-125, Cluj-Napoca, Romania, May 28-31, **2013**.

[E4] **D. Şteţ**, L. Czumbil, M. Erchedi, S. Hanc & L. Ancăş: „Electromagnetic Interference Issues in Case of Metallic Structures”, *Acta Electrotehnica*, ISSN: 1841-3323, vol. 54, no. 5, Special Issue: *Proceedings of the 5th International Conference on Modern Power Systems (MPS)*, pp. 470-473, Cluj-Napoca, Romania, May 28-31, **2013**.

[E5] D.D. Micu, L. Czumbil, G.C. Christoforidis & **D. Şteţ**: „Software Application to Evaluate Inductive and Capacitive Couplings”, *Buletinul AGIR*, ISSN: 2247-3548, vol. XVII, no. 3, Special Issue: *World Energy Systems. Towards Sustainable and Integrated Energy Systems*, pp. 117-122., Suceava, Romania, June 28-30, **2012**.

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PhD. Eng. Denisa ŞTEŢ