MINISTERUL EDUCAŢIEI NAŢIONALE

UNIVERSITATEA TEHNICĂ

DIN CLUJ-NAPOCA

PUBLICATION LIST

a. List of 10 representative papers

LIST OF 10 REPRESENTATIVE PAPERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
1. AC Interference on Pipelines due to Double Circuit Power Lines: A detailed study **[A2.1.1]**	**Dan D. Micu** Christoforidis G.C., Czumbil L.	Electric Power System Research, ISSN: 0378-7796, Vol. 103, pp. 1-8, 2013.	http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.elsevier-4a0df8a3-c57d-3ed2-b77c-6c7bf940d2ee
2. Electric field computation inside a rectangular petrol tank **[A2.1.2]**	**Dan D. Micu**, Dan Micu	Journal of Electrostatics, ISSN: 0304-3886, Vol. 71, pp. 332-335, 2013.	http://dx.doi.org/10.1016/j.elstat.2012.11.038
3. Lightning Inverse Reconstruction by Remote Sensing and Field Synthesis **[A2.1.3]**	Andrei Ceclan, Vasile Țopa, **Dan D. Micu**, Amedeo Andreotti	IEEE Transactions on Magnetics, ISSN: 0018-9464, Vol. 49, Issue 5, 2013	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6514494&queryText%3DLightning+Inverse+Reconstruction+by+Remote+Sensing+and+Field+Synthesis
4. Improved framework for Monte Carlo numerical evaluations in field interference problems **[A2.1.5]**	Ceclan A., Țopa V., **Dan D. Micu**, Czumbil L., Șimon A. & Creț O	International Journal of Applied Electromagnetics and Mechanics, ISSN: 1383-5416, Vol. 39, No. 1-4, pp. 693-698, 2012	http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=Improved+framework+for+Monte+Carlo+numerical+evaluations+in+field+interference+problems

LIST OF 10 REPRESENTATIVE PAPERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
5. Evaluation of Induced AC Voltages in Underground Metallic Pipeline **[A2.1.7]**	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Ceclan A., Şteţ D.	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, Vol. 31, No. 4, pp.1133-1143., 2012.	http://www.emeraldinsight.com/journals.htm?issn=0332-1649&volume=31&issue=4&articleid=17046999&show=html
6. Neural Networks Applied in Electromagnetic Interference Problems **[A2.1.9]**	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Simion E.	Revue Roumain des Sciences Techniques, Serie Electrotechnique et Energetique, ISSN: 0035-4066, Vol. 57, No. 2, pp.162-171, 2012.	http://revue.elth.pub.ro/index.php?action=main&year=2012&issue=2
7. Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem **[A2.1.11]**	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Ceclan A.	IEEE Transaction on Magnetics, ISSN: 0018-9464, Vol. 47, No. 5, pp. 1410-1413., May, 2011.	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5481648
8. Numerical evaluation of induced voltages in the metallic underground pipelines **[A2.1.14]**	**Dan D. Micu**, I. Lingvay, C. Lingvay, L. Darabant, A. Ceclan	Revue Roumaine des Sciences Techniques serie Électrotechnique et Énergetique, ISSN: 0035-4066, Vol. 54, No. 2, pp.175-184,	http://revue.elth.pub.ro/index.php?action=main&year=2009&issue=2
9. Original Approaches for Solving Electromagnetic Interference Problems **[A2.1.5]**	**Dan D. Micu**, Radu Munteanu jr., Georgios Christoforidis, B. Manea	Advances in Electrical and Computer Engineering, ISSN: 1582-7445, No. 2-2009, pp. 82-90, 2009.	http://www.scipio.ro/web/guest/article-display?articleId=28
10. Synthesis Method of an Inductive Sensor using Tikhonov Regularization **[A2.1.18]**	**Dan D. Micu**, A. Ceclan	International Journal of Applied Electromagnetics and Mechanics, Volume 26, IOS Press, ISSN 1383-5416, pp. 243-251, 2007.	http://iospress.metapress.com/content/k45804r7r63k46p3/

b1.) Doctoral thesis

DOCTORAL THESIS
Remarks upon the influence on high voltage lines on burried metallic pipelines, *PhD Adviser*: Prof.dr.ing. Mircea Chindris, Technical University of Cluj-Napoca; OM no. 3876/19.05.2004; public defence 28.02.2004

b2.) Habilitation thesis

HABILITATION THESIS
Development of advanced analysis methods and numerical modeling dedicated tools applied in electrical engineering, O.M. no. 623/6.11.2014, public defence 29.08.2014.

d) Books and book chapters

A1. *BOOKS AND BOOK CHAPTERS*		
TITLE	**AUTHORS**	**PUBLISHING HOUSE / LINK WEB SITE / YEAR**
[A1.1.1] Recurrent Neural Networks and Soft Computing, Ch. 12: Artificial Intelligence Techniques Applied to Electromagnetic Interference Problems between Power Lines and Metal Pipelines (capitol carte)	**Dan D. Micu**, Christoforidis G.C., Czumbil L.	http://www.intechopen.com/books/recurrent-neural-networks-and-soft-computing/artificial-intelligence-techniques-applied-in-electromagnetic-interference-problems-between-hv-power Ed. Intech, 2012, ISBN: 978-953-51-0409-4
[A1.1.2] Metode Numerice. Lucrări Practice	**Dan D. Micu**, Ceclan A., Czumbil L., Csala D.	Ed. Mediamira, 2010 ISBN: 978-973-713-278-9
[A1.1.3] Metode numerice in ingineria electrica	**Dan D. Micu**, A. Ceclan	Ed. Mediamira ISBN 978-973-713-140-9
[A1.1.4] Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor, Coord. H. Gavrila si C. Popescu. Cap. 3 Studiul compatibilităţii electromagnetice în sisteme industriale	**Dan D. Micu**, E. Simion, L. Cret, I. Lingvay, Carmen Lingvay	Ed. PRINTECH, ISBN 978-973-718-912-7, Bucureşti 2007

[A1.1.5] Modelarea si predictia fenomenelor de interferenta electromagnetica	**Dan D. Micu**, I. Lingvay, E. Simion	Ed.ELECTRA, ISBN 978-973-77728-73-9, 2006
[A1.1.6] Teoria circuitelor electrice	**Dan D. Micu**, L. Creț, D. Duma	Ed. UTPres, Cluj, ISBN 973-662-184-7, 2005
[A1.1.7] Metode numerice in interferente electromagnetice	**Dan D. Micu**	Ed. Mediamira, Cluj-N, ISBN 973-713-032-4, 2004
[A1.1.8] Aplicatii ale metodelor numerice in electrotehnica	**Dan D. Micu**, A. Cziker	Ed. CCS, Cluj, ISBN 973-686-317-4, 2002
[A1.1.9] Aplicatii de management al calitatii energiei electrice	M. Chindris, A. Cziker, **Dan D. Micu**	Ed. Mediamira, Cluj, ISBN 973-9358-14-4, 2000

e) Papers published in databases of peer-reviewed scientific literature

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.1] AC Interference on Pipelines due to Double Circuit Power Lines: A detailed study	**Dan D. Micu** Christoforidis G.C., Czumbil L.	Electric Power System Research, ISSN: 0378-7796, Vol. 103, pp. 1-8, 2013.	http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.elsevier-4a0df8a3-c57d-3ed2-b77c-6c7bf940d2ee
[A2.1.2] Electric field computation inside a rectangular petrol tank	**Dan D. Micu**, Dan Micu	Journal of Electrostatics, ISSN: 0304-3886, Vol. 71, pp. 332-335, 2013.	http://dx.doi.org/10.1016/j.elstat.2012.11.038
[A2.1.3] Lightning Inverse Reconstruction by Remote Sensing and Field Synthesis	Andrei Ceclan, Vasile Țopa, **Dan D. Micu**, Amedeo Andreotti	IEEE Transactions on Magnetics, ISSN: 0018-9464, Vol. 49, Issue 5, 2013	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6514494&queryText%3DLightning+Inverse+Reconstruction+by+Remote+Sensing+and+Field+Synthesis
[A2.1.4] Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine	Popa D.; **Dan D.Micu**; Miron, O., Szabo L	IEEE Transactions on Magnetics, Volume: 49, Issue: 11, Pages: 5533-5542, 2013	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6542742

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.5] Improved framework for Monte Carlo numerical evaluations in field interference problems	Ceclan A., Țopa V., **Dan D. Micu**, Czumbil L., Șimon A. & Creț O	International Journal of Applied Electromagnetics and Mechanics, ISSN: 1383-5416, Vol. 39, No. 1-4, pp. 693-698, 2012	http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=Improved+framework+for+Monte+Carlo+numerical+evaluations+in+field+interference+problems
[A2.1.6] Assessment of the electric field induced in the human tissue during magnetic stimulation of the spinal cord	L. Darabant, Mihaela Cretu, Radu V. Ciupa **Dan D. Micu**, D. Stet	COMPEL: The Int. Journal for Comp. and Mathematics in Electrical and Electronic Eng., ISSN: 0332-1649, Vol. 31, No. 4, pp. 1164 – 1172	http://www.emeraldinsight.com/journals.htm?issn=0332-1649&volume=31&issue=4&articleid=17047002&show=html
[A2.1.7] Evaluation of Induced AC Voltages in Underground Metallic Pipeline	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Ceclan A., Șteț D.	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, Vol. 31, No. 4, pp.1133-1143., 2012.	http://www.emeraldinsight.com/journals.htm?issn=0332-1649&volume=31&issue=4&articleid=17046999&show=html
[A2.1.8] Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State	Șteț D., **Dan D. Micu**, Czumbil L., Dărăbant L., Ceclan A.	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, Vol. 31, No. 4, pp. 1718-1189., 2012.	http://www.emeraldinsight.com/journals.htm?issn=0332-1649&volume=31&issue=4&articleid=17047004&show=html
[A2.1.9] Neural Networks Applied in Electromagnetic Interference Problems	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Simion E.	Revue Roumain des Sciences Techniques, Serie Electrotechnique et Energetique, ISSN: 0035-4066, Vol. 57, No. 2, pp.162-171, 2012.	http://revue.elth.pub.ro/index.php?action=main&year=2012&issue=2

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TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.10] Identification of an equivalent model for the permanent magnets of a magnetron sputtering device	Daniele Desideri, Alvise Maschio, **Dan D. Micu**, Olivia Ramona Miron	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 31, No. 2, pp.514 – 527, 2012.	http://www.emeraldinsight.com/journals.htm?articleid=17019320
[A2.1.11] Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Ceclan A.	IEEE Transaction on Magnetics, ISSN: 0018-9464, Vol. 47, No. 5, pp. 1410-1413., May, 2011.	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5481648
[A2.1.12] Study of the factors that influence the effective permittivity of the dielectric mixtures	Creţ R., Dărăbant L., **Dan D. Micu**., Turcu A., Şteţ D.	Revue Roumaine des Sciences Techniques serie Electrotechnique,ISSN: 0035-4066, Vol. 56, No. 1, pg. 69-78, 2011.	http://revue.elth.pub.ro/index.php?action=main&year=2011&issue=1
[A2.1.13] Design Of Efficient Magnetic Coils For Repetitive Stimulation	Radu Ciupa, Laura Darabant, Octavian Cret, **Dan D. Micu**	Revue Roumaine des Sciences Techniques serie Electrotechnique, ISSN: 0035-4066, Vol. 55, No.3, pp. 251-260, 2010.	http://revue.elth.pub.ro/index.php?action=main&year=2010&issue=3
[A2.1.14] Numerical evaluation of induced voltages in the metallic underground pipelines	**Dan D. Micu**, I. Lingvay, C. Lingvay, L. Darabant, A. Ceclan	Revue Roumaine des Sciences Techniques serie Électrotechnique et Énergetique, ISSN: 0035-4066, Vol. 54, No. 2, pp.175-184,	http://revue.elth.pub.ro/index.php?action=main&year=2009&issue=2

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10-19 June 2013**

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TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.15] Original Approaches for Solving Electromagnetic Interference Problems	**Dan D. Micu**, Radu Munteanu jr., Georgios Christoforidis, B. Manea	Advances in Electrical and Computer Engineering, ISSN: 1582-7445, No. 2-2009, pp. 82-90, 2009.	http://www.scipio.ro/web/guest/article-display?articleId=28
[A2.1.16] Energy Efficient Coils for Magnetic Stimulation of Peripheral Nerves	Dărăbant L., Plesa M., **Dan D. Micu**, Șteț D., Ciupa R, Dărăbant A.	IEEE Transactions on Magnetics, ISSN: 0018-9464, Vol. 45, No. 3, pp. 1690-1693, 2009.	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4787387&queryText%3DEnergy+Efficient+Coils+for+Magnetic+Stimulation+of+Peripheral+Nerves
[A2.1.17] The effect of electromagnetic fields on baker's yeast population dynamics, biocatalytic activity and selectivity	D. Sandu, **Dan D. Micu**, C. Popescu	Studia Universitatis Chemia, ISSN: 1224-7154, LIV, 4, tom II, pp.195-201, 2009.	http://www.studia.ubbcluj.ro/arhiva/abstract.php?editie=CHEMIA&nr=4(II)&an=2009&id_art=7293
[A2.1.18] Synthesis Method of an Inductive Sensor using Tikhonov Regularization	**Dan D. Micu**, A. Ceclan	International Journal of Applied Electromagnetics and Mechanics, Volume 26, IOS Press, ISSN 1383-5416, pp. 243-251, 2007.	http://iospress.metapress.com/content/k45804r7r63k46p3/
[A2.1.19] Equivalent Model of a Magnetron Sputtering Device with Ferromagnetic Yoke	Daniele Desideri, Alvise Maschio, **Dan D. Micu**, Olivia Miron	Przegląd Elektrotechniczny (Electrical Review), ISSN: 0033-2097, Vol. 88, No.B, 2012.	http://www.sigma-not.pl/publikacja-69301-equivalent-model-of-a-magnetron-sputtering-device-with-ferromagnetic-yoke-przeglad-elektrotechniczny-2012-7b.html
[A2.1.20] Critical voltage proximity index investigation for transmission systems	A. Polycarpou, H. Nouri, **Dan D. Micu**	Transaction on PTD, Global Journal of Technology and Optimization, ISSN: 2229-8711,Vol. 3, pp. 107-114, 2012.	http://eprints.uwe.ac.uk/18303/

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.21] Corossion Evaluation and Mitigation on Metallic Pipelines	Șteț D., Czumbil L **.,** **Dan D. Micu**, Miron O.,	The 2012 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4673-1173-1, Iași, Romania, October 25-27, 2012 **(EPE 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6463875&queryText%3DCorossion+Evaluation+and+Mitigation+on+Metallic+Pipelines
[A2.1.22] Return Stroke Current Remote Sensing, Based on Solving an Inverse ill-posed Problem	Ceclan Andrei, Vasile Țopa, **Dan D. Micu,** Amedeo Andreotti	The 2012 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4673-1173-1, pp. 717-722, Iași, Romania, October 25-27, 2012. **(EPE 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6463846&queryText%3DReturn+Stroke+Current+Remote+Sensing%2C+Based+on+Solving+an+Inverse+ill-posed+Problem
[A2.1.23] Cloud Computing and its application to blended learning in engineering	Cosmin Porumb, Bogdan Orza, **Dan D. Micu**, Sanda Porumb	8th International Conference eLearning and Software for Education, , Bucharest, April 26-27, pp. 253-258, 2012 **(eLSE 2012)**	http://proceedings.elseconference.com/index.php?r=site/index&year=2012&index=papers&vol=2&paper=13ecbd62a490e4e039f80452590cf478
[A2.1.24] Collaborative Learning Concept for Lifelong Learning	Cosmin Porumb, Sanda Porumb, **Dan D. Micu**, Bogdan Orza	8th International Conference eLearning and Software for Education, , Bucharest, April 26-27, pp. 518-524 2012 **(eLSE 2012)**	http://proceedings.elseconference.com/index.php?r=site/index&year=2012&index=papers&vol=2&paper=2a3646aa007370c346b34e9c940ea0b5

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.25] Artificial Intelligence Techniques Applied to Electromagnetic Interference Problems	Czumbil L., **Dan D. Micu**, Ceclan A.	International Conference on Advancements of Medicicne and Health Care Throught Technology, IFMB Proceedings, ISSN: 1680-0737, Vol. 26, pp.339-344., Sep. 23-26, 2009. **(MEDITECH 2009)**	http://link.springer.com/chapter/10.1007%2F978-3-642-04292-8_75
[A2.1.26] Analytical and Numerical Development of the Electromagnetic Interference Between a High-Voltage Power Line and a Metallic Underground Pipeline	**Dan D. Micu**, Ceclan A., Dărăbant L., Stet D.	6th International Symposium on Advanced Electromechanical Motion Systems, July 1-3, **2009**, Lille, France, ISBN: 978-2-915913-25-5 **(ELECTROMOTION 2009)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5259090
[A2.1.27] The Electromagnetic Threat in the Today's Environment	Mircea Buzdugan, **Dan D. Micu**, Emil Simion, Andrei Ceclan and L. Cîmpan	International Conference on Advancements of Medicine and Health Care through Technology, Cluj-Napoca, 2009, IFMBE Proceedings 26, pp. 355, ISBN: 978-3-642-04291-1 **(MEDITECH 2009)**	http://link.springer.com/chapter/10.1007%2F978-3-642-04292-8_78
[A2.1.28] Electromagnetic Interferences between HV Power Lines and Metallic Pipelines Evaluated with Neural Network Technique	**Dan D. Micu**, Czumbil L., Ceclan A., Darabant L., Șteț D., Christoforidis G.C.	10th International Conference on Electrical Power Quality and Utilisation, ISBN: 978-1-4244-5171-5, Lodz, Poland, Sept. 15-17, 2009. **(EPQU 2009)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5318842

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.29] Accurate Methods for Solving Electromagnetic Interference Problems between Power Lines and Underground Metallic Pipelines	**Dan D. Micu**, Czumbil L., Ceclan A., Darabant L.	44th International Universities Power Engineering Conference ISBN: 978-1-4244-6823-2 **(UPEC 2009)**	http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=[A2.1.29]+Accurate+Methods+for+Solving+Electromagnetic+Interference+Problems+between+Power+Lines+and+Underground+Metallic+Pipelines
[A2.1.30] Magnetic Field Synthesis and Parameter Regularization by Fuzzy Inference	Ceclan A., Barbulescu C., **Dan D. Micu**, Czumbil L.	Conference on Human System Interactions ISBN: 978-1-4244-1542-7, pp. 390-393 **(HSI 2008)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4581470&queryText%3D%5B10%5D%09Magnetic+Field+Synthesis+and+Parameter+Regularization+by+Fuzzy+Inference
[A2.1.31] The choice of regularization parameter by fuzzy inference for magnetic field synthesis	Ceclan A., Barbulescu C., **Dan D. Micu**, Micu D., Czumbil L.	The 11th International Conference on Optimization of Electrical and Electronic Equipment ISBN: 978-142441544-1, pp.71-77 **(OPTIM 2008)**	DOI: 10.1109/OPTIM.2008.4602346
[A2.1.32] Inductive and conductive interference problems for practical cases solved with special interpolation algorithms	**Dan D. Micu**, Ceclan A., Darabant L., Șteț D.	Proceedings Of The 43rd International Universities Power Engineering Conference ISBN 978-88-89884-09-6 **(UPEC 2008)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=4651636
[A2.1.33] Numerical Methods for Induced Voltage Evaluation in Electromagnetic Interference Problems	**Dan D. Micu**, Emil Simion, Dan Micu, Andrei Ceclan	9th International Conference, Electric Power Quality and Utilisation, Barcelona, 9-11 October 2007, ISBN 978-84-690-9441-9 **(EPQU 2007)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4424091

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.34] Synthesis Design of Electromagnetic Device for Magnetic Treatment of Textile Bands	Andrei Ceclan, Dan Micu, **Dan D. Micu**, Lucian Man, Emil Simion	International Aegean Conference on Electrical Machines and Power Electronics & Electromotion Joint Conference, Bodrum Turkey, Sept. 2007, ISBN 978-975-93410-2-2, pp. 236 -240 **(ACEMP 2007)**	WOS: 000256943100058
[A2.1.35] Power Flow Calculation for Ill-Conditioned Systems. Simplified Newton Method with SVD Partial Regularization	Constantin Bărbulescu, Andrei Ceclan, Ștefan Kilyeni, **Dan D. Micu**	The International Conference on "Computer as a tool", Warsaw, September 9-12, pp. 1481 – 1484, ISBN: 1-4244-0813-X. **(ICCT 2007)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4400667
[A2.1.36] Magnetic coils design for focal stimulation of the nervous system	L. Cret, M. Plesa, **Dan D. Micu**, R. Ciupa	The International Conference on "Computer as a tool", Warsaw, September 9-12, pp. 1481 – 1484, pp. 1998-2003, ISBN: 1-4244-0813-X. **(ICCT 2007)**	http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4400661
[A2.1.37] HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures	Czumbil L., **Dan D. Micu**, Șteț D., Christoforidis G.C., Ancăș L.	48th International Universities' Power Engineering Conference, ISBN: 978-1-4799-3254-2, Dublin, Ireland, September 2-5, 2013 **(UPEC 2013)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6714945

A2.1. PAPERS PUBLISHED IN ISI JOURNALS AND IN PROCEEDINGS INDEXED IN ISI THOMSON REUTERS			
TITLE	**AUTHORS**	**JOURNAL**	**LINK SITE WEB OF SCIENCE (COMPULSORY)**
[A2.1.38] Interference Analysis from Medium-Voltage Cables of Photovoltaic Plants to Metallic Pipelines	Christoforidis G.C., **Dan D. Micu**, Papadopoulos T.A., Czumbil L., Parisses C.C.	48th International Universities' Power Engineering Conference, ISBN: 978-1-4799-3254-2, Dublin, Ireland, September 2-5, 2013 **(UPEC 2013)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6715002
[A2.1.39] Operating mode prediction of a microwave heating system using artificial intelligence techniques	Czumbil L., **Dan D. Micu**, Hathazi F.I.	8th International Symposium on Advanced Topics in Electrical Engineering, ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. **(ATEE 2013)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6563455
[A2.1.40] The synthesis of electroparametric circuits	A. Micu, D. Micu, **Dan D. Micu**, L. Chira	IEEE-TTTC International conference on Automation, Quality and Testing, Robotics, AQTR, Cluj-Napoca, Romania, may 25-28, 2006, pp. 252-254, ISBN 1-4244-0360-X. **(AQTR 2006)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4022858

f) Papers included in conference proceedings or journals that are indexed in international databases;

A2.2. PAPERS INDEXED IN INTERNATIONAL DATABASES (*SCOPUS, IEEEExplore*)			
TITLE	**AUTHORS**	**JOURNAL / PROCEEDINGS**	**DATABASE SITE LINK**
[A2.2.1] Medium-voltage cable inductive coupling to metallic pipelines: A comprehensive study	T.A. Papadopoulos, G.C. Christoforidis, **Dan D. Micu**, L. Czumbil	Proceedings of the Universities Power Engineering Conference, 2014, ISBN 978-1-4799-6556-4 INSPEC Accession Number:14697768 DOI:10.1109/UPEC.2014.6934784 **(UPEC 2014)**	http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Publication%20Title%22:UPEC%202014&searchWithin=Micu
[A2.2.2] Case studies on electromagnetic interference between HVPL and buried pipelines	D. Stet, **Dan D. Micu**, L. Czumbil, B. Manea	Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, pp. 231-236, 2014. **(EPE 2014)**	http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Publication%20Title%22:EPE%202014%202014&searchWithin=Micu
[A2.2.3] Analysis of induced electromagnetic perturbations in electrical and telecommunication cables due to lightning currents	L. Czumbil, D. Stet, **Dan D. Micu**, S. Braicu, B. Manea, S. Spinean	Proceedings of the Universities Power Engineering Conference, 2014, ISBN 978-1-4799-6556-4, DOI:10.1109/UPEC.2014.6934633, INSPEC Accession Number:14697723 **(UPEC2014)**	http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Publication%20Title%22:UPEC%202014&searchWithin=Micu
[A2.2.4] Prediction of operating characteristics of electrotechnical devices using artificial neural networks	A. Pasca, **Dan D. Micu**, L. Czumbil	Journal of Electrical and Electronics Engineering, vol. 7, no. 1, pp. 131-136, 2014.	

A2.2. PAPERS INDEXED IN INTERNATIONAL DATABASES (*SCOPUS*, *IEEExplore*)			
TITLE	**AUTHORS**	**JOURNAL / PROCEEDINGS**	**DATABASE SITE LINK**
[A2.2.5] Lightning return stroke current reconstruction or vertical and variable channel shape	A. Ceclan, A. Holhos, **Dan D. Micu**, S. Spinean, L. Czumbil, A. Andreotti	2014 International Conference on Lightning Protection, ICLP 2014, pp. 1370-1375, 2014, DOI: 10.1109/ICLP.2014.6973344 **(ICLP 2014)**	http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Publication%20Title%22:ICLP%202014&searchWithin=Micu
[A2.2.6] A comparative study of pareto optimal approaches for distribution system reconfiguration	B. Tomoiaga, Dan D. Micu	Proceedings of the Universities Power Engineering Conference, 2014, ISBN 978-1-4799-6556-4 INSPEC Accession Number:14697768 DOI:10.1109/UPEC.2014.6934784 **(UPEC 2014)**	http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Publication%20Title%22:UPEC%202014&searchWithin=Micu
[A2.2.7] Analysis of inrush and fault currents measurement errors generated by the current transformer saturation	R.-A. Radu, D.O. Micu, Dan D. Micu, A. Ceclan	Proceedings of the Universities Power Engineering Conference, 2014, ISBN 978-1-4799-6556-4, INSPEC Accession Number:14697783 DOI:10.1109/UPEC.2014.6934699 **(UPEC 2014)**	http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Publication%20Title%22:UPEC%202014&searchWithin=Micu
[A2.2.8] Regularization of ill-posed return stroke current identification problem	Ceclan Andrei, Vasile Țopa, Amedeo Andreotti and **Dan D. Micu**	31th International Conference on Lightning protection Vienna, Austria, Digital Object Identifier: 10.1109/ ICLP.2012.6344382 **(ICLP 2012)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6344382
[A2.2.9] Induced Voltage and Current Computation for Different HVPL Operating Conditions	Czumbil L., Ștеț D., **Dan D. Micu**, Țopa V., Ancăș L.	International Symposium on Electromagnetic Compatibility, Rome, Italy, September 17-21, 2012 **(EMC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6396842

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TITLE	**AUTHORS**	**JOURNAL / PROCEEDINGS**	**DATABASE SITE LINK**
[A2.2.10] InterfStud Electromagnetic Interference Software - An Accurate Evaluation of Current Distribution in Soil and in Underground Pipelines	**Dan D. Micu**, Czumbil L., Prsa M., Kasas-Lazetic K.	International Symposium on Electromagnetic Compatibility, Rome, Italy, September 17-21, 2012 **(EMC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6396894
[A2.2.11] Stream Gas Pipeline in Proximitity of High Voltage Power Lines. Part I - Soil Resistivity Evaluation	Şteţ D., Czumbil L., **Dan D. Micu**, Ţopa V., Ancăş L.	47th International Universities' Power Egineering Conference, London, September 4-7, 2012. **(UPEC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398444
[A2.2.12] Modeling and Mitigation Techniques of the Magnetic Integrated Structures Parasitic Capacitance	Adina Racasan, Calin Munteanu, Vasile Topa, **Dan D. Micu**	47th International Universities' Power Egineering Conference, London, September 4-7, 2012. **(UPEC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398555&queryText%3D%5B9%5D%09Modeling+and+Mitigation+Techniques+of+the+Magnetic+
[A2.2.13] Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation	Czumbil L., Şteţ D., **Dan D. Micu**, Ţopa V., Ancăş L.	47th International Universities' Power Egineering Conference, London, September 4-7, 2012. **(UPEC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398445
[A2.2.14] Semi-infinite Integral Implementation in the Development Steps of *InterfStud* Electromagnetic Interference	**Dan D. Micu**, Czumbil L., Christoforidis G.C.	47th International Universities' Power Egineering Conference, London, September 4-7, 2012. **(UPEC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398640
[A2.2.15] Stability Study Comparison of a MNA Matrix system in PEEC method	Miron O., **Dan D. Micu**, Czumbil L.	47th International Universities' Power Egineering Conference, London, September 4-7, 2012. **(UPEC 2012)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398682

A2.2. PAPERS INDEXED IN INTERNATIONAL DATABASES (*SCOPUS*, *IEEExplore*)			
TITLE	**AUTHORS**	**JOURNAL / PROCEEDINGS**	**DATABASE SITE LINK**
[A2.2.16] A User-Friendly Software Application for Induced A.C. Interference Evaluation	Czumbil L., Christoforidis G.C., **Dan D. Micu**, Şteţ D., Ceclan A., Pop O.	46th International Universities' Power Engineering Conference, (UPEC), ISBN: 978-3-8007-3402-3, Soest, Germany, September 5-8, 2011 **(UPEC 2011)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6125574
[A2.2.17] Numerical Analysis of a New Experimental Set-up for Measurements of Shielding Effectiveness	Olivia Miron, **Dan D. Micu**, P. Alotto, D. Desideri, A. Maschio	46th International Universities' Power Engineering Conference, (UPEC), ISBN: 978-3-8007-3402-3, Soest, Germany, September 5-8, 2011 **(UPEC 2011)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6125587
[A2.2.18] Right of Way - Buried Metallic Pipelines HV-Power Lines. Mitigation Techniques	Liviu Ancas, **Dan D. Micu,** V. Topa	46th International Universities' Power Engineering Conference, (UPEC), ISBN: 978-3-8007-3402-3, Soest, Germany, September 5-8, 2011 **(UPEC 2011)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6125646
[A2.2.19] Numerical tools for lightning return stroke current reconstruction by electromagnetic inverse problem formulation	Ceclan A., Ţopa V., **Dan D. Micu**, Miron O., Czumbil L.	International Conference on Clean Electrical Power, (ICCEP), ISBN: 978-1-4244-8929-9, pp. 239-298, Ischia, Italy, June 11-13, 2011 **(ICCEP 2011)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6036299
[A2.2.20] User Friendly EMI Software for Induced A.C. Potential Evaluation	Czumbil L., **Dan D. Micu**, Christoforidis G.C., Ceclan A., Miron O.	8th International Conference on Computation in Electromagnetics, (CEM), ISBN: 978-1-84919-468-6, Wroclaw, Poland, April 11-14, 2011. **(CEM 2011)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6085476
[A2.2.21] On an inverse electromagnetic procedure for frequency and spatial reconstruction of the lightning return stroke current	Ceclan A., Ţopa V., **Dan D. Micu**, Czumbil L.	8th International Conference on Computation in Electromagnetics, (CEM), ISBN: 978-1-84919-468-6, Wroclaw, Poland, April 11-14, 2011. **(CEM 2011)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6085475

A2.2. PAPERS INDEXED IN INTERNATIONAL DATABASES (*SCOPUS, IEEExplore*)			
TITLE	**AUTHORS**	**JOURNAL / PROCEEDINGS**	**DATABASE SITE LINK**
[A2.2.22] Estimation of an equivalent short solenoid model using different numerical methods	Miron O., Desideri D., **Dan D. Micu**, Maschio A., Ceclan A., Czumbil L.	8th International Conference on Computation in Electromagnetics, (CEM), ISBN: 978-1-84919-468-6, Wroclaw, Poland, April 11-14, 2011. **(CEM 2011)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6085446
[A2.2.23] Analysis of Electromagnetic Interference problems proposed to be through an innovative Monte Carlo – Neural Network method	**Dan D. Micu**, Czumbil L., Polycarpou A., Ceclan A., Cîmpan L.	7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, ISBN: 978-184919319-1, Agia Napa, Cyprus, November 7-10, 2010. **(MEDPOWER 2010)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5716017
[A2.2.24] Fuzzy Logic - Genetic Algorithm Method to Evaluate the Magnetic Vector Potential	Czumbil L., **Dan D. Micu**, Ceclan A., Șteț D., Micu D.O.	12th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Egineering, ISSN: 1792-5967, pp.128-133., Timișoara, Romania, October 21-23, 2010. **(MMACTEE 2010)**	http://www.scopus.com/record/display.url?eid=2-s2.0-79958713385&origin=resultslist&sort=plf-f&src=s&st1=czumbil&sid=C463CDB1DF4E1F562234A0406438EFF9.53bsOu7mi7A1NSY7fPJf1
[A2.2.25] Proposed Monte Carlo – Neural Network method for solving Electromagnetic Interference problems	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Ceclan A.	45th International Universities' Power Engineering Conference, ISBN: 978-1-4244-7667-1, Cardiff, Wales, August 31 – September 3, 2010 **(UPEC 2010)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5648871
[A2.2.26] Lightning Return Stroke Current spatial reconstruction via Inverse Regularization	Ceclan A., **Dan D. Micu**, Czumbil L.	45th International Universities' Power Engineering Conference, 978-1-4244-7667-1, Cardiff, Wales, August 31 – September 3, 2010 **(UPEC 2010)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5648859

A2.2. PAPERS INDEXED IN INTERNATIONAL DATABASES (*SCOPUS*, *IEEEXplore*)			
TITLE	**AUTHORS**	**JOURNAL / PROCEEDINGS**	**DATABASE SITE LINK**
[A2.2.27] On a Return Stroke Lightning identification procedure by Inverse Formulation and Regularization	Ceclan A., **Dan D. Micu**, Czumbil L.	14th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC), ISBN: 978-1-4244-7059-4, Chicago, USA, May 9-12, 2010. **(CEFC 2010)**	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5481473
[A2.2.28] Neural network evaluation of electromagnetic interferences between HV power lines and underground metallic pipelines	**Dan D. Micu**, Czumbil L., Ceclan A., Simion E., Șteț D., Cîmpan L.	Journal of Electrical and Electronics Engineering, ISSN: 1844-6035, Vol. 2, No. 1, pp. 73-78, 2009. **(EMES 2009)**	http://www.scopus.com/record/display.url?eid=2-s2.0-79959322558&origin=resultslist&sort=plf-f&src=s&st1=czumbil&sid=00D6CECC3348F7DA153CB52CBAD58800.WXhD7YyTQ6A7Pvk9
[A2.2.29] On the implementation of a micro hydropower plant on Gersa river, Bistrita, Romania	A. Mutu, A. Ceclan, S. Pavel, **Dan D. Micu**, I. Vadan	Journal of Electrical and Electronic Engineering, ISBN: 1841-7221, Vol. 1, No. 1, 2008. **(EMES 2008)**	http://electroinf.uoradea.ro/index.php/jeee.html
[A2.2.30] Software for Industrial Consumers Electrical Energy Tariff optimal Selection	**Dan D. Micu**, Czumbil L., Ceclan A., Ardelean S.	Journal of Electrical and Electronic Engineering, ISBN: 1841-7221, Vol. 1, No. 1, 2008. **(EMES 2008)**	http://electroinf.uoradea.ro/index.php/jeee.html
[A2.2.31] Power factor correction, controlling voltage distortion	**Dan D. Micu**, A. Pop, A. Ceclan, E. Simion	Journal of Electrical and Electronic Engineering, ISBN: 1841-7221, Vol. 1, No. 1, 2008. **(EMES 2008)**	http://electroinf.uoradea.ro/index.php/jeee.html
[A2.2.32] Public lighting systems – an energy saving technique and product	Andrei Ceclan, **Dan D. Micu**, Emil Simion, Radu Donca	International Conference on Clean Electrical Power, Capri, Italy, May 21-23, 2007, ISBN: 1-4244-0631-5 **(ICCEP 2007)**	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4272454

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TITLE	**AUTHORS**	**CONFERENCE PROCEEDINGS / JOURNAL**
[1] On Some Mitigation Solutions for an Electromagnetic Interference Problem Analysis in Underground Cables	Czumbil L., Ceclan A., **Dan D. Micu**, Șteț D., Erchedi M., Hanc S. Martineac C.	Acta Electrotechnica, vol. 54, No. 5, pp. 120-125, ISSN: 1841-3323 **(MPS 2013)**
[2] Electromagnetic Field Distribution Around High Voltage Power Lines	**Dan D. Micu**, Czumbil L., Braicu Ș., Hanc S.	17th International Symposium Power Electronics Ee2013 Novi Sad, Serbia, October 30 - November 1, 2013 (Proc. CD) **(PES 2013)**
[3] Software Application to Evaluate Inductive and Capacitive Couplings	**Dan D. Micu**, Czumbil L., Christoforidis G.C., Șteț D.	Buletinul AGIR, ISSN: 2247-3548, Vol. XVII, No. 3, pp.117-122., June, **2012**
[4] Numerical Techniques Applied in PEEC Method Implementation	Olivia Miron, **Dan D. Micu**, Daniele Desideri, Alvise Maschio	Buletinul AGIR, ISSN: 2247-3548, Vol. XVII, No. 2, pp. 727-731, June, **2012**
[5] Effects of Power Line Conditions on Nearby Gas Pipelines	Șteț D., **Dan D. Micu**, Czumbil L., Ancăş L.	Buletinul AGIR, ISSN: 2247-3548, Vol. XVII, No. 3, pp. 731-736., June, **2012**
[6] Impact Evaluation of Direct Lightning Strike on a Tower	Ceclan A., Țopa V., **Dan D. Micu**, Czumbil L.	Buletinul AGIR, ISSN: 2247-3548, Vol. XVII, No. 3, pp. 527-532., June, **2012.**
[7] Investigation of Electromagnetic Interferences on Metallic Pipelines - Induced Voltage Evaluation and Mitigation Techniques	Șteț D., Czumbil L., **Dan D. Micu**, Ancăş L.	15th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC), Oita, Japan, November 11-14, **2012**. (Proc. CD) **(CEFC 2012)**
[8] Accurate Iterative Algorithm to Evaluate Induced Current Densitiesand Earth Impedances of Overhead and Buried Conductors in Electromagnetic Interference Problems	**Dan D. Micu**, Christoforidis G.C., Papadopoulos T.A., Czumbil L., Șteț D.	15th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC), Oita, Japan, November 11-14, **2012**. (Proc. CD) **(CEFC 2012)**

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[9] On a New Procedure of Lightning Remote Sensing Using Numerical Regularization Tools	Ceclan Andrei, Vasile Țopa, **Dan D. Micu**, Amedeo Andreotti	Proceedings of the 12th International Workshop on Optimization and Inverse Problems in Electromagnetism, pp. 180 - 182, ISBN 978-94-6197-069-5, 2012 **(OIPE 2012)**
[10] Analysis and Simulation of a Half Bridge Inverter for Induction Heating Applications	Ovidiu A. Pop, **Dan D. Micu**, Adrian Taut, Olivia Miron	4th International Conference on Electromagnetic Fields, Health and Environment, Coimbra, Portugal, 26-28 May 2011, ISBN 978-972-8822-22-4 **(EHE 2011)**
[11] Hybrid Method for Induced AC Voltages Determination	Czumbil L., **Dan D. Micu**, Christoforidis G.C., Ceclan A. & Șteț D.	Acta Electrotechnica, ISSN: 1841-3323, Vol. 52, No. 5, pp. 116-120, May, **2011**. **(MPS 2011)**
[12] Analytical Difficulties in the Interfstud Software Development	**Dan D. Micu**, Christoforidis G.C., Czumbil L.	10th International Conference on Applied Electromagnetics, (PES), ISBN: 978-86-6125-042-2, Nis, Serbia, September 25-29, **2011**. (Proc. CD) **(PES 2011)**
[13] Electromagnetic Interference Study Based On Professional Software	Șteț D., Simion E., **Dan D. Micu**, Dărăbant L., Czumbil L., Ceclan A.	6th International Conference on electrical and power engineering, (EPE), Iași, România, October 28-30, **2010**. (Proc. CD) **(EPE 2010)**
[14] Reconstruction of an Equivalent Magnetostatic Source of a Magnetron Sputtering Device	D. Desideri, O. Miron, A. Maschio, **Dan D. Micu**	International Conference on Modern Power Systems, Cluj-Napoca, Romania, 18-21 May 2010 **(MPS 2010)**
[15] On a New Procedure of Harmonic Regularization Applied in Return Stroke Current Identification	Ceclan A., Țopa V., **Dan D. Micu**, Czumbil L., Șteț D.	6th International Conference on electrical and power engineering, (EPE), Iași, România, October 28-30, **2010**. (Proc. CD) **(EPE 2010)**

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[16] Induced a.c. Potential Evaluation Based on a Hybrid Method	Czumbil L., **Dan D. Micu**, Ceclan A., Simion E., Șteț D.	6th International Conference on electrical and power engineering, (EPE), Iași, România, October 28-30, **2010**. (Proc. CD) **(EPE 2010)**
[17] Some electromagnetic biocompatibility issues on human exposure to electromagnetic fields	Mircea Buzdugan, **Dan D. Micu**, M. Munteanu, E. Simion, L. Cimpan	6th International Conference on electromagnetic compatibility and engineering in medicine and biology, Iasi, Romania, 28-30 oct. 2010, (Proc. CD) **(EPE -EMC 2010)**
[18] Nonlinear Model for Corrosion of Metallic PipelineSubjected to Alternating Voltage (AV)	Șteț D. , **Dan D. Micu** ,. Ceclan A. Czumbil L., Fărcaş C.,. Darabant L., Creț R.	Joint MMDE- IEEE ROMSC International Conference **2010**
[19] Artificial Intelligence Techniques Applied in Electromagnetic Interference Problems	**Dan D. Micu**, Czumbil L., Ceclan A., Cîmpan L., Dărăbant L., Șteț D.	International Conference on Electromagnetic Fields, Health and Environment, Sao Paulo, Brazil, 2-5 November, 2009. (Proc. CD) **(EHE 2009)**
[20] The Study Of Electromagnetic Interferences Between HV Power Lines And Buried Structures Using CDEGS	Șteț D., **Dan D. Micu**, Simion E., Darabant L., Ceclan L., Czumbil L.	2nd International Conference on Modern Power Systems, MPS 2008, Cluj-Napoca, 12-14 Nov., Acta Electrotehnica Special Issue, pp. 333-337, ISSN 1841-3323. **(MPS 2008)**
[21] Numerical Monte Carlo Formulation of an Electromagnetic Interference Problem	Ceclan A., **Dan D. Micu**, Simion E., Czumbil L., Mutu A., Boca C.	2nd International Conference on Modern Power Systems, MPS, Acta Electrotehnica Special Issue, ISSN: 1841-3323, pp. 273-277, Cluj-Napoca, România, November 12-14, **2008**. **(MPS 2008)**
[22] On an Energy Efficiency Strategy for Romanian Water Companies	Ceclan A., **Dan D. Micu**, Simion E., Czumbil L., Mutu A., Boca C.	2nd International Conference on Modern Power Systems, MPS, Acta Electrotehnica Special Issue, ISSN: 1841-3323, pp. 273-277, Cluj-Napoca, România, November 12-14, **2008**. **(MPS 2008)**

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[23] On A Monte Carlo Approach Of Interference Problems	Ceclan A., **Dan D. Micu**, Czumbil L., Micu D.O., Simion E.	Buletinul Institutului Politehnic din Iași Secția: Electrotehnică, Energetică, Electronică, ISSN: 1223-8139, Vol. LIV, No. 3, pp. 251-257, 2008. **(EPE 2008)**
[24] On Some Measurements of Energy Quality in The National Electrical Power Grid - Part I	Szombatfalvi-Torok F., Simion E., Ceclan A., **Dan D. Micu**, Czumbil L.	Buletinul Institutului Politehnic din Iași Secția: Electrotehnică, Energetică, Electronică, ISSN: 1223-8139, Vol. LIV, No. 3, pp. 193-199, **2008**. **(EPE 2008)**
[25] On Some Measurements of Energy Quality in The National Electrical Power Grid - Part II	Szombatfalvi-Torok F., Simion E., Ceclan A., **Dan D. Micu**, Șteț D., Czumbil L.	Buletinul Institutului Politehnic din Iași Secția: Electrotehnică, Energetică, Electronică, ISSN: 1223-8139, Vol. LIV, No. 3, pp. 199-205, 2008. **(EPE 2008)**
[26] Inductive coupling problems solved with special interpolation methods	**Dan D. Micu**, Ceclan A., Czumbil L.	10th International Conference on Optimization and Inverse Problems in Electromagnetism, Ilmenau, Germany, September 14-17, **2008**. (Proc. on CD) **(OIPE 2008)**
[27] Monte Carlo Inverse Formulation of an Electromagnetic Interference Problem	Ceclan A., Micu D.O., Czumbil L., **Dan D. Micu**	10th International Conference on Optimization and Inverse Problems in Electromagnetism, Ilmenau, Germany, September 14-17, **2008**. (Proc. on CD) **(OIPE 2008)**
[28] Regularization of ill conditioned spline interpolation method applied in electromagnetic interference problems	**Dan D. Micu**, Ceclan A., Czumbil L., Simion E.	13th Biennial IEEE Conference on Electromagnetic Field Computation, **(CEFC 2008)**
[29] A New Approach of Interference Problems via Monte Carlo Inverse Simulation	**Dan D. Micu**, Ceclan A., Czumbil L., Șteț D., Simion E.	7rd International Conference Study and control of corrosion in the perspective of sustainable development of urban distribution grids, (URBCORR), ISBN: 978-606-521-032-5, pp. 226-230, June 15-27, **2008**. **(URBCORR 2008)**

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TITLE	**AUTHORS**	**CONFERENCE PROCEEDINGS / JOURNAL**
[30] Interaction between an overhead single conductor and a two-layer earth. Analytical and numerical development	**Dan D. Micu**, Dan Micu, Andrei Ceclan, Emil Simion	2nd International Conference on Modern Power Systems, MPS 2008, Cluj-Napoca, 12-14 Nov., Acta Electrotehnica Special Issue, pp. 378-382, ISSN 1841-3323 **(MPS 2008)**
[31] Experimental study of the power factor compensation converter	F. Szombatfalvi-Torok, Emil Simion, **Dan D. Micu**, Denisa Stet, Laura Darabant, Mihaela Plesa	9th International Conference on Applied and Theoretical Electricity ICATE 2008, Analele Universităţii din Craiova, 9-11 oct. 2008, pp. 289-293, ISBN 1842-4805, 2008 **(ICATE 2008)**
[32] The study of the electromagnetic interferences between HV lines and metallic pipelines using a professional analysis software	Denisa Stet, **Dan D. Micu**, A. Ceclan, Laura Darabant, Mihaela Plesa	2nd International Conference on Modern Power Systems, MPS 2008, Cluj-Napoca, 12-14 Nov., Acta Electrotehnica Special Issue, pp. 333-337, ISSN 1841-3323 **(MPS 2008)**
[33] Overview of methods and models regarding the electromagnetic field exposure near HV lines	B. Manea, **Dan D. Micu**, R. Munteanu jr., D. Popovici, O. Popovici	2nd International Conference on Modern Power Systems, MPS 2008, Cluj-Napoca, 12-14 Nov., Acta Electrotehnica Special Issue, pp. 309-312, ISSN 1841-3323 **(MPS 2008)**
[34] New software tool designed for stochastic power system analysis	Gh. Vuc, C. Barbulescu, A. Ceclan, **Dan D. Micu**	2nd International Conference on Modern Power Systems, MPS 2008, Cluj-Napoca, 12-14 Nov., Acta Electrotehnica Special Issue, pp. 191-195, ISSN 1841-3323 **(MPS 2008)**
[35] The design optimization for an electrical circuit using the geometrical inversion with parametrical elements	D. Micu, **Dan D. Micu**, L. Chira	2nd International Conference on Modern Power Systems, MPS 2008, Cluj-Napoca, 12-14 Nov., Acta Electrotehnica Special Issue, pp. 374-378, ISSN 1841-3323 **(MPS 2008)**
[36] Performante ale circuitelor rau conditionate	Dan Micu, Adriana Micu, Lazar Chira, **Dan D. Micu**	Symposium of Theoretical Electrical Engineering, SNET'08, 5-7 June 2008, Bucuresti, Romania, pp. 200-205, ISBN 978-606-521-045-5 **(SNET 2008)**

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[121] An intuitive method for teaching electrotechnics	**Dan D. Micu**, A. Micu	International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, IGTE, Graz, Austria, 14-17 June 2002, Proc CD **(IGTE 2002)**
[122] Review of the analysis and evaluation of Carson integral	**Dan D. Micu**, E. Simion, C. Munteanu, V. Lohan, L. Creţ	9'th International Conference on Engineering of Modern Electric Systems EMES Oradea, 2002, pp. 67-71, ISSN 1223-2106 **(EMES 2002)**
[123] Magnetic field modelling for synchronous generator	V. Lohan, E. Simion, V. Ţopa, **Dan D. Micu**, L. Creţ	8'th International Conference on Engineering of Modern Electric Systems, EMES Oradea, May 2002, pp. 56-60, ISSN 1223-2106 **(EMES 2002)**
[124] Simulation of Multiple Fluorescent Lamp Systems using Measured Based Models	L. Creţ, **Dan D. Micu**, E. Simion	International Conference Sourses and Environmental Electrotechnologies, RSEE 6-9 06.2002, Oradea, pp. 30-34, ISSN 1223-2106 **(RSEE 2002)**
[125] The study of the electromagnetic field for a HV generator	V. Lohan, E. Simion, **Dan D. Micu**	International Conference on Applied and Theoretical Electricity ICATE Craiova, Oct. 2002, pp.101-104, ISBN 973-8043-169-9 **(ICATE 2002)**
[126] Assesment of power and light quality problems in a religthing project	L. Creţ, E. Simion, **Dan D. Micu**	International Conference on Applied and Theoretical Electricity, ICATE Craiova, Oct. 2002, pp. 284-287, ISBN 973-8043-169-9 **(ICATE 2002)**
[127] Analytical expression of induced current density and power losses in conductive soil	**Dan D. Micu**, E. Simion	Fascicola Electrotehnica, Seria C, vol. 10, 8-9 May 2003, Baia Mare, pp. 45-50, ISSN 1224-3272
[128] An HSPICE Simulation of fluorescent lamp system using conventional ballast	L. Creţ, **Dan D. Micu**	Fascicola Electrotehnica, Seria C, vol. 10, Baia Mare, 2003, pp. 7-10, ISSN 1224-3272
[129] Studiul descărcărilor electrostatice între electrozi plan-paraleli	D. Duma, C. Munteanu, **Dan D. Micu**	Fascicola Electrotehnica, Seria C, vol. 10, Baia Mare, 2003, pp. 17-21, ISSN 1224-3272
[130] Remarks about the evaluation of mutual impedances of lines with earth return	**Dan D. Micu**	7'th International Conference on Engineering of Modern Electric Systems, Analele Universitatii Oradea, Fasc. Electrot. A1, Mai 2000, pp. 35-40, ISSN-1223-2106 **(EMES 2000)**

PAPERS PUBLISHED IN B+ JOURNALS OR INCLUDED IN INDEXED CONFERENCE PROCEEDINGS (Google Schoolar)		
TITLE	**AUTHORS**	**CONFERENCE PROCEEDINGS / JOURNAL**
[131] Overview on formulas for the evaluation of self and mutual impedances of lines with earth return. AC cathodic protection	**Dan D. Micu**, V. Ţopa, E. Simion	The 1rd International Workshop on Advances in Numerical Computation Methods in Electromagnetism, Procedings of the ANCME Conference, Gent, Belgium, June 2000, pp. 20-37, ISBN 973-686-076-0 **(ANCME 2000)**
[132] Starting Diagram for Single Phase Motor. Approach	V. Iancu, D. Micu, **Dan D. Micu**	Acta Electrotechnica, Vol. 42, Nr.1 2001, pp. 95-103, ISSN 1224-2497
[133] Starting Diagram for Single Phase Motor. Part I.	V. Iancu, D. Micu, **Dan D. Micu**	AME Chişinău, May 2001, pp. 120-126 **(AME 2001)**
[134] Filtru activ pentru îmbunătăţirea calităţii alimentării cu energie electrică a consumatorilor	S. Stefanescu, M. Chindris, A. Cziker, **Dan D. Micu**	A doua Conferinta Internaţională de Sisteme Electromecanice Chişinau, 8-9 Octombrie 1999, vol I, pp. 265-268 **(SIELMEN 1999)**
[135] Application of the inversion method in electrical circuits theory	**Dan D. Micu**, A. Micu	6'th International Conference on Engineering of Modern Electric Systems, EMES Oradea, May 1999, pp. 49-54 **(EMES 1999)**
[136] Rotating Magnetic Field Evaluation in Polyphase Harmonic Polluted Systems	D. Micu, M. Chindris, **Dan D. Micu**, A. Cziker	International Conference on Electrical&Power Engineering 4-6 November 1999, Iaşi. Buletinul Institutului Politehnic din Iasi, Tomul XLV (IL) Electrotehnica, Fasc. 5B, pp. 83 – 87, ISSN 0258-9109 **(EPE 1999)**
[137] Efect of MOSFET output capacitance on ZVS operation of a PSPWM-SRI	S. Stefanescu, M. Chindris, A. Cziker, **Dan D. Micu**	Buletinul Institutului Politehnic Iaşi, Tomul XLV (IL) Electrotehnica, Fasc. 5, 1999, pp. 99 –104, ISSN 0258-9109 **(EPE 1999)**
[138] Symetrizing system behaviour in harmonic polluted electrical networks	M. Chindris, S. Stefanescu, A. Cziker, **Dan D. Micu**	Buletinul Institutului Politehnic Iaşi, Tomul XLV (IL), Fasc. 5, 1999, pp. 55 – 59, ISSN 0258-9109 **(EPE 1999)**

g) *Research Projects / Grants obtained through National or International competition*

A2.3. RESEARCH PROJECTS / GRANTS OBTAINED THROUGH COMPETITION	
TITLE	**Manager/Member**
[A2.3.1] H2020-EE-2014-CSA 649773: MENs - Meeting the energy professional skills, 2014-2017.	Manager
[A2.3.2] CNCSIS TE 34/09.08.2010: Modeling, prediction and design solutions, with maximum effectiveness, for reducing the impact of stray currents on underground metallic gas pipelines, 2010-2013.	Manager
[A2.3.1] CNCSIS AT_224: Optimized construction of electromagnetic devices based on electromagnetic field synthesis in inaccessible heterogeneous environments 2007-2008.	Manager
[A2.3.2] CEEX, nr. X2C37/2006: The impact of electromagnetic fields on anthropic ecosystems – ICEMECOS, Project Manager: prof.dr.ing. Claudia Popescu (Politehnica University of Bucharest); UTCN partner manager: Conf.dr.ing.mat. Dan Doru Micu;	Manager
[A2.3.3] CEEX, nr. 6856/2006: Theoretical and experimental research on the behavior of insulating materials in order to develop diagnostic studies and intelligent prediction procedures – MATELIZ, Project Manager: prof.dr. ing. Doina Gavrilă (Politehnica University of Bucharest); UTCN partner manager: prof. dr. ing. Emil Simion;	Member
[A2.3.4] CEEX, nr. 136/2006: Active and intelligent prediction and diagnostics procedures for building with a reinforced structures placed in a complex polluted environment – DIRECTOR, Project Manager: prof.dr. ing. Dorin Isoc (UTCN); UTCN partner manager: prof. dr. ing. Emil Simion;	Member
[A2.3.5] CNCSIS nr. 1279/2006: The influence of electromagnetic fields on operational stability and performance of combustion installations, Project Manager: prof.dr. ing. Emil Simion (UTCN);	Member
[A2.3.6] PN-II-ID-PCE-2007-1, nr. ID_1024: Mathematical model to study the influence of AC electromagnetic pollution of underground metal gas pipelines, with or without a cathodic protection system, placed in the vicinity of transformer substations. Project Manager: prof. dr. ing. Emil Simion;	Member
[A2.3.7] PN-II-Nr. 22122/2008: Intelligent diagnosis and prediction system for preventing power cable damages – CABDIAG, Project Manager: ing. Carmen Lingvay (ICPE-CA Bucuresti); UTCN partner manager: prof. dr. ing. Emil Simion;	Member
[A2.3.8] PN-II nr. 51-082/2007: Microwave technologies used to improve the quality of sored agricultural seeds Project Manager: conf. dr. ing. Darie Soproni (University of Oradea); UTCN partner manager: prof. dr. ing. Vasile Iancu.	Member
[A2.3.9] CNCSIS nr. 33531/2002, 3D Software to model the electromagnetic interference phenomena between high voltage power lines and underground metallic pipelines, under quasi-harmonic conditions, Phase II 2002: Development of a dedicated generalized mathematical model, Project Manager: prof. dr. ing. Vasile Țopa (UTCN).	Member

A2.3. RESEARCH PROJECTS / GRANTS OBTAINED THROUGH COMPETITION	
TITLE	**Manager/Member**
[A2.3.10] CNCSIS nr. 34970/2001, Prediction and analysis of electromagnetic interference phenomena created by electrified railway traction systems, Project Manager: prof.dr. ing. Emil Simion (UTCN), Phase II-III 2002-2003.	Member
[A2.3.1] ANSTI nr. GR. 6113/2002, Development and implementation of numerical methods for calculating the electrokinetic regime produced by eddy currents in dissipative heterogeneous environments, Project Manager: prof.dr. ing. Emil Simion, Phase II-III 2002-2003, (UTCN).	Member
[A2.3.2] BILA 2001/37, New analysis methods and simulation software for electromagnetic interference effects between high voltage power lines and undergrond metallic pipelines, Project Manager: prof. dr. ing. Vasile Ţopa, Phase II, 2002, (UTCN).	Member
[A2.3.1] World Bank, Study of unbalanced systems under non-sinusoidal regime, Project Manager: prof. dr. ing. Mircea Chindriş, 1998-2000, (UTCN).	Member

h) Research Projects with the Industry (selection)

A2.4. RESEARCH PROJECTS WITH THE INDUSTRY (SELECTION)	
TITLE	**Director/Membru**
[A2.4.1] TRANSGAZ I_03/2010-SNTGN-Trangaz S.A. Mediaş, The study of corrosion of the metallic gas pipelines under the influence of HV power lines and mitigation methods. Case study, Contract Nr. 27/ 26.01.2010, Project Manager: Prof. dr. ing. Vasile Ţopa	Member
[A2.4.2] TRANSGAZ II_04/2011-SNTGN-Trangaz S.A. Mediaş, The study of corrosion of the metallic gas pipelines under the influence of HV power lines and mitigation methods. Onsite measurements and software validation	Director
[A2.4.3] ENERGOBIT_43/2012, Electromagnetic interferences induced in underground medium voltage electrical cables, obtained from Energobit/	Director
[A2.4.4] ROMATSA_3423/2013, Electric and electronic equipment protection to overvoltage and electromagnetic pulses appeared in electrical cables, respectively voice and data circuits due to lightning at DSNA Cluj and DR Bucharest PNA/CNS Cluj division locations.	Director
[A2.4.5] TENARIS 275/19.12.2007, Study off eddy currents passing through the bearings of the electric engine that operates the continuous mill stands. Project Manager, prof.dr.ing. Vasile IANCU.	Member