

ANEXA II

LISTA PUBLICATII, CONTRACTE DE CERCETARE STAGII DE CERCETARE

1. LISTĂ PUBLICAȚII

I. REVISTE ISI					
	TITLU	AUTORI	REVISTA	LINK SITE WEB OF SCIENCE	FI*
Autor principal**	Articol I.01. Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State	Șteț D., Micu D.D., Czumbil L., Dărăbant L., Ceclan A.	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering 2012	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=2&SID=W1LsYcUph2Qo4w5hq2b&page=1&doc=6	0.281
Coautor	Articol I.02. Evaluation of Induced AC Voltages in Underground Metallic Pipeline	Micu D.D., Czumbil L., Christoforidis G.C., Ceclan A., Șteț D.	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering 2012	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=5&SID=W1LsYcUph2Qo4w5hq2b&page=1&doc=5&caheurlFromRightClick=no	0.281

	Articol I.03. Assessment of the Electric Field Induced in the Human Tissue during Magnetic Stimulation of the Spinal Cord	Dărăbant L., Crețu M., Ciupa R.V., Micu D. D., Șteț D.	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering 2012	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=7&SID=W1LsYcUph2Qo4w5hq2b&page=1&doc=5&cacheurlFromRightClick=no	0.281
	Articol I.04. Study of the factors that influence the effective permittivity of the dielectric mixtures	Creț R., Dărăbant L., Micu D. D., Turcu A., Șteț D.	Revue Roumaine d'Electrotechnique, vol 56, nr. 1, 2011	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=9&SID=W1LsYcUph2Qo4w5hq2b&page=2&doc=14&cacheurlFromRightClick=no	0.337

II. PROCEEDINGS ISI

	TITLU	AUTORI	PROCEEDINGS	LINK
Autor principal**	Articol II.01. Numerical Modelling of a Wind Farm Located in the South area of Romania through Equivalent Electrical Circuits	Șteț D. , Micu D.O., Ceclan A., Czumbil L. ș.a.,	49rd International Universities Power Engineering Conference (UPEC2014)	http://www.upec2014.com/

	Articol II.02. Analysis of Induced Electromagnetic Perturbations in Electrical and Telecommunication Cables due to Lightning Currents	Czumbil L., Șteț D. , Micu D.D., Spinean S	49rd International Universities Power Engineering Conference (UPEC2014)	http://www.upec2014.com/
	Articol II.03. Corossion Evaluation and Mitigation on Metallic Pipelines	Șteț D. , Czumbil L., Micu D.D., Miron O.	Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012)	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=8&SID=W1LsYcUph2Qo4w5hq2b&page=1&doc=3&cacheurlFromRightClick=no
	Articol II.04. Combined Methods for Solving Inductive Coupling Problems	Șteț D. , Micu D.D., Avram C., Dărăbant L.	Proceedings of the 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE 2011)	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=9&SID=W1LsYcUph2Qo4w5hq2b&page=2&doc=12&cacheurlFromRightClick=no
Coautor	Articol II.05. Analytical and Numerical Development of the Electromagnetic Interference Between a High-Voltage Power Line and a Metallic Underground Pipeline	Micu D.D., Ceclan A., Dărăbant L., Șteț D.	8th International symposium on advanced electromechanical motion systems (Electromotion 2009)	http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=50&SID=W1LsYcUph2Qo4w5hq2b&page=2&doc=14&cacheurlFromRightClick=no

<p>Articol II.06. Energy Efficient Coils for Magnetic Stimulation of Peripheral Nerves</p>	<p>Dărăbant L., Plesa M., Micu D.D., Șteț D., Ciupa R., Dărăbant A.</p>	<p>IEEE Transactions on Magnetics, vol. 45, nr. 3, 2009</p>	<p>http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=56&SID=W1LsYcUph2Qo4w5hq2b&page=2&doc=13</p>
<p>Articol II.07. Electromagnetic Interferences between HV Power Lines and Metallic Pipelines Evaluated with Neural Network Technique</p>	<p>Micu D.D., Czumbil L., Ceclan A., Darabant L., Șteț D., Christoforidis G.C.</p>	<p>10th International Conference on Electrical Power Quality and Utilisation (EPQU 2009)</p>	<p>http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=2&SID=R27cAXeWvxDrUkqgBIu&page=1&doc=8&cacheurlFromRightClick=no</p>
<p>Articol II.08. Inductive and conductive interference problems for practical cases solved with special interpolation algorithms</p>	<p>Micu D.D., Ceclan A., Darabant L., Șteț D.</p>	<p>Proceedings Of The 43rd International Universities Power Engineering Conference (UPEC 2008)</p>	<p>http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=9&SID=W1LsYcUph2Qo4w5hq2b&page=4&doc=39&cacheurlFromRightClick=no</p>
<p>Articol II.09. Magnetic Coils Design for Localized Stimulation</p>	<p>Cret L., Plesa M., Duma (căș. Șteț) D., Ciupa R.V.</p>	<p>11th Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON 2007)</p>	<p>http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=9&SID=W1LsYcUph2Qo4w5hq2b&page=5&doc=43&cacheurlFromRightClick=no</p>

III. REVISTE / PROCEEDINGS BDI ***

	TITLU	AUTORI	REVISTA / PROCEEDINGS	LINK
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Autor principal***	Articol III.01. Numerical evaluation of self and mutual earth return impedances	Șteț D., Micu D.D., Czumbil L., Simion E	Carpathian Journal of Electrical Engineering	în curs de publicare
	Articol III.02. Case Studies on Electromagnetic Interferences between HVPL and Buried Pipelines	Șteț D., Micu D.D., Czumbil L., manea B.	International Conference and Exposition on Electrical and power Engineering (EHE2014)	în curs de publicare
	Articol III.03. Investigation of Electromagnetic Interferences Issues	Șteț D., Czumbil L., Ancăș L.	8th International Symposium on Advanced Topics in Electrical Engineering, (ATEE 2013)	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6563457
	Articol III.04. Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part I - Soil Resistivity Evaluation	Șteț D., Czumbil L., Micu D.D., Țopa V., Ancăș L.	47th International Universities' Power Engineering Conference, (UPEC 2012)	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398445
Coautor	Articol III.05. HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures	Czumbil L., Micu D.D., Șteț D., Christoforidis G.C., Ancăș L.	48th International Universities' Power Engineering Conference, (UPEC 2013)	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6714945
	Articol III.06. Induced Voltage and Current Computation for Different HVPL Operating Conditions	Czumbil L., Șteț D., Micu D.D., Țopa V., Ancăș L.	International Symposium on Electromagnetic Compatibility, (EMC Europe 2012)	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6396842

<p><u>Articol III.07.</u> Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation</p>	<p>Czumbil L., Șteț D., Micu D.D., Țopa V., Ancăș L.</p>	<p>47th International Universities' Power Engineering Conference, (UPEC 2012)</p>	<p>http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6398444</p>
<p><u>Articol III.08.</u> A User-Friendly Software Application for Induced A.C. Interference Evaluation</p>	<p>Czumbil L., Christoforidis G.C., Micu D.D., Șteț D., Ceclan A., Pop O.</p>	<p>46th International Universities' Power Engineering Conference, (UPEC 2011)</p>	<p>http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6125574</p>
<p><u>Articol III.09.</u> Layer Recurrent Neural Network Solution For An Electromagnetic Interference Problem</p>	<p>Micu D.D., Czumbil L., Ceclan A., Mutu A., Șteț D.</p>	<p>14th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC 2010)</p>	<p>http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5481648&queryText%3DLayer+Recurrent+Neural+Network+Solution+For+An+Electromagnetic+Interference+Problem</p>
<p><u>Articol III.10.</u> Fuzzy Logic - Genetic Algorithm Method to Evaluate the Magnetic Vector Potential</p>	<p>Czumbil L., Micu D.D., Ceclan A., Șteț D., Micu D.O.</p>	<p>12th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering, (MMACTEE 2010)</p>	<p>http://www.scopus.com/record/display.url?eid=2-s2.0-79958713385&origin=resultslist&sort=plf-f&src=s&st1=czumbil&sid=C463CDB1DF4E1F562234A0406438EFF9.53bsOu7mi7A1NSY7fPJf1</p>
<p><u>Articol III.11.</u> Neural network evaluation of electromagnetic interferences between HV power lines and underground metallic pipelines</p>	<p>Micu D.D., Czumbil L., Ceclan A., Simion E., Șteț D., Cîmpan L.</p>	<p>Journal of Electrical and Electronics Engineering ISSN: 1844-6035, Vol. 2, No. 1, pp. 73-78, (EMES 2009)</p>	<p>http://www.scopus.com/record/display.url?eid=2-s2.0-79959322558&origin=resultslist&sort=plf-f&src=s&st1=czumbil&sid=00D6CECC3348F7DA153CB52CBAD58800.WXhD7YyTQ6A7Pvk9AIA</p>

<p>Articol III.12. Numerical algorithm for the accurate evaluation of the induced voltages in a pipeline</p>	<p>Micu D.D., Simion E., Micu D.O., Ceclan A., Cret L., Duma (căs. Şteţ) D.</p>	<p>6th International Conference on Computational Electromagnetics (CEM 2006), Germania</p>	<p>http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5754990&tag=1</p>
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IV. ALTE REVISTE / PROCEEDINGS

	TITLU	AUTORI	REVISTA / PROCEEDINGS	LINK SITE
<p>Autor principal***</p>	<p>Articol IV.01. Electromagnetic Interference Problems in Underground Medium Voltage Power Cables</p>	<p>Levente Czumbil, Dan D. Micu, Denisa Stet and Andrei Ceclan</p>	<p>5th International Conference on Electromagnetic Fields, Health and Environment (EHE_2014), Porto, Portugalia, 2014</p>	<p>http://www.apdee.org/conference/s/ehe2014/</p>
	<p>Articol IV.02. A geometrical method for finding the image charges for two orthogonally conducting spheres</p>	<p>Tudor Micu, Dan Micu, Denisa Stet</p>	<p>International symposium on Fundamentals of Electrica engineering (ISFEE), Bucuresti, Romania</p>	<p>http://isfee.elth.pub.ro/isfee2014/</p>
	<p>Articol IV.03. Electromagnetic Interference Issues in Case of Metallic Structures</p>	<p>Şteţ D., Czumbil L., Erchedi M, Hanc S.</p>	<p>Acta Electrotehnica 2013, Modern Power System Conference (MPS 2013)</p>	<p>http://www.et.utcluj.ro/ET/acta_electrotehnica.php</p>
	<p>Articol IV.04. Investigation of Electromagnetic Interferences on Metallic Pipelines - Induced Voltage Evaluation and Mitigation Techniques</p>	<p>Şteţ D., Czumbil L., Micu D.D., Ancăş L.</p>	<p>15th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC 2012)</p>	<p>http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=20721</p>

<p><u>Articol IV.05.</u> Effects of Power Line Conditions on Nearby Gas Pipelines</p>	<p>Șteț D., Micu D.D., Czumbil L., Ancăș L.</p>	<p>Buletinul AGIR ISSN: 2247-3548, Vol. XVII, No. 3, pp.31-736, June, 2012.</p>	<p>http://www.buletinulagir.agir.ro/articol.php?id=1462</p>
<p><u>Articol IV.06.</u> Nonlinear Model for Corrosion of Metallic Pipeline Subjected to Alternating Voltage (AV)</p>	<p>Șteț D., Micu D.D. , Ceclan A. Czumbil L., Fărcaș C., Darabant L., Creț R.</p>	<p>Proceeding of Joint MmdE- IEEE ROMSC International Conference, 2010, Romania</p>	<p>http://stoner.phys.uaic.ro/IEEE/ieee_romsc/ieee_romsc_2010.html</p>
<p><u>Articol IV.07.</u> Electromagnetic Interference Study Based On Professional Software</p>	<p>Șteț D., Simion E., Micu D.D., Dărăbant L., Czumbil L., Ceclan A.</p>	<p>6th International Conference on electrical and power engineering, (EPE 2010)</p>	<p>http://www.epe.tuiasi.ro/2010/</p>
<p>Articol IV.08. The Study of Electromagnetic Interferences Between HV Power Lines and Buried Structures Using CDEGS Software</p>	<p>Șteț D., Micu D.D., Simion E., Darabant L., Ceclan L., Czumbil L.</p>	<p>Proceeding of The 6th International Workshop of Electromagnetic Compatibility (CEM 2009), Romania</p>	<p>http://www.icpe-ca.ro/ro/evenimente_organizate/13/</p>
<p><u>Articol IV.09.</u> Study of Electromagnetic Interferences Between AC Systems and Metallic Structures</p>	<p>Șteț D., Micu D.D., Ceclan A., Darabant L.</p>	<p>Proceeding of The European Conference and Exhibition on Electromagnetics (EUROEM 2008), Elvetia</p>	<p>http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=13506</p>

<p>Articol IV.10. The study of inductive coupling between HV lines and metallic pipelines using a professional analysis and modeling software</p>	<p>Șteț D., Micu D.D., Ceclan A., Darabant L.</p>	<p>7rd International Conference Study and control of corrosion in the perspective of sustainable development of urban distribution grids, Romania, 2008, pp. 260-265, ISBN 978-606-521-032-5.</p>	
<p>Articol IV.11. The study of the electromagnetic interferences between HV lines and metallic pipelines using a professional analysis software</p>	<p>Șteț D., Micu D.D., Ceclan A., Darabant L., Plesa M.</p>	<p>2nd International Conference on Modern Power Systems, Cluj-Napoca (MPS 2008), Acta Electrotehnica, pp. 333-337, ISSN 1841-3323</p>	<p>http://www.et.utcluj.ro/mps2008/index.html</p>
<p>Articol IV.12. Finite-Difference Time – Domain Method Used in Transient Analysis of Wave Processes</p>	<p>Duma (căș. Șteț), Munteanu C., Micu D.D.</p>	<p>Proceeding of The International Conference on Scientific Computing in Electrical Engineering (SCEE 2006), Romania, pp. 144-146, ISBN 978-973-718-520-4</p>	
<p>Articol IV.13. Numerical Modelling ff Electromagnetic Interference Using The FDTD Method</p>	<p>Duma (căș. Șteț), Munteanu C., Micu D.D., Cret L, Simion E., Man L.</p>	<p>Procceding of The 5th International Conference on Electromechanical and Power Systems, (SIELMEN 2005), Chisinau, Rep. Moldova, pp. 1025-1027, ISBN 973-716-208-0</p>	<p>http://www.sielmen.ee.tuiasi.ro/</p>

<p><u>Articol IV.14.</u> A Finite Difference Time Domain Analysis of a Horn Antenna</p>	<p>Duma (căș. Șteț), Munteanu C., Man E., Man L.</p>	<p>Proceeding of The International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME_2005, Belgia ISBN 973-686-845-1, Pag.103-106</p>	<p>http://www.et.utcluj.ro/ANCME2005/</p>
<p><u>Articol IV.15.</u> Remarks about Utilization of FDTD Method for Numerical Modeling of Electromagnetic Interference</p>	<p>Duma (căș. Șteț), Munteanu C., Țopa V., Simion E.</p>	<p>Proceeding of The International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME_2003, Belgia ISBN 973-686-460-X</p>	
<p><u>Articol IV.16.</u> Utilization of WIPL-D Full Wave Simulator for Electromagnetic Field Computation in Large Metallic Cavities</p>	<p>Duma (căș. Șteț), Simion E., Munteanu C., Țopa V., Demoulin B.</p>	<p>Proceeding of A 7-a Conferință Internațională de Ingineria Sistemelor Moderne în Electrotehnică (EMES_2003), Oradea</p>	<p>http://arhiva- www.uoradea.ro/romanian/article /2/list_is.html</p>
<p><u>Articol IV.17.</u> On Some Mitigation Solutions for an Electromagnetic Interference Problem Analysis in Underground Cables</p>	<p>Czumbil L., Ceclan A., Micu D.D., Șteț D., s.a.</p>	<p>Acta Electrotehnica 2013, Modern Power System Conference (MPS 2013)</p>	<p>http://www.et.utcluj.ro/ET/acta_e lectrotehnica.php</p>

<p>Articol IV.18. Accurate Iterative Algorithm to Evaluate Induced Current Densities and Earth Impedances of Overhead and Buried Conductors in electromagnetic Interference Problems</p>	<p>Micu D.D, Christoforidis G., Papadopoulos T., Czumbil L., Șteț D.</p>	<p>15th Biennial IEEE Conference on Electromagnetic Field Computation, (CEFC 2012)</p>	
<p>Articol IV.19. Software Application to Evaluate Inductive and Capacitive Couplings</p>	<p>Micu D.D., Czumbil L., Christoforidis G.C., Șteț D.</p>	<p>Buletinul AGIR ISSN: 2247-3548, Vol. XVII, No. 3, pp.117-122., June, 2012.</p>	<p>http://www.buletinulagir.agir.ro/articol.php?id=1371</p>
<p>Articol IV.20. Hybrid Method for Induced AC Voltages Determination</p>	<p>Czumbil L., Micu D.D., Christoforidis G.C., Ceclan A., Șteț D.</p>	<p>Conference on Modern Power Systems, Cluj-Napoca (MPS 2011), Acta Electrotehnica</p>	<p>http://www.et.utcluj.ro/ET/acta_electrotehnica.php</p>
<p>Articol IV.21. Numerical computation of electrical characteristics of biphasic dielectric composites using the finite elements method (FEM)</p>	<p>Creț R., Darabant L., Fărcaș C., Șteț D.,</p>	<p>Proceeding of Joint MmDE- IEEE ROMSC International Conference, 2010, Romania</p>	<p>http://stoner.phys.uaic.ro/IEEE/ieee_romsc/ieee_romsc_2010.html</p>
<p>Articol IV.22. Induced a.c. Potential Evaluation Based on a Hybrid Method</p>	<p>Czumbil L., Micu D.D., Ceclan A., Simion E., Șteț D.</p>	<p>6th International Conference on electrical and power engineering, (EPE 2010)</p>	<p>http://www.epe.tuiasi.ro/2010/</p>
<p>Articol IV.23. On a New Procedure of Harmonic Regularization Applied in Return Stroke Current Identification</p>	<p>Ceclan A., Țopa V., Micu D.D., Czumbil L., Șteț D.</p>	<p>6th International Conference on electrical and power engineering, (EPE 2010)</p>	<p>http://www.epe.tuiasi.ro/2010/</p>
<p>Articol IV.24. Monte Carlo simulations for an electromagnetic interference problem</p>	<p>Micu D.D., Ceclan A., Czumbil L., Șteț D., Simion E.</p>	<p>Proceeding of The 6th International Workshop of Electromagnetic Compatibility (CEM 2009), Romania</p>	

<p>Articol IV.25. Numerical Simulation Of The Nerve Fibers' Active Behaviour During Magnetic Stimulation</p>	<p>Cretu M., Darabant L., Șteț D.</p>	<p>Proceeding of The XIV International Symposium on Electromagnetic Fields in Mechatronics, Electrical And Electronic Engineering, Arras, Franța, 2009, pag. 429-430, ISBN 978-2-84832-111-0</p>	
<p><u>Articol IV.26.</u> On Some Measurements of Energy Quality in The National Electrical Power Grid – Part II</p>	<p>Szombatfalvi-Torok F., Simion E., Ceclan A., Micu D.D., Șteț D., Czumbil L.</p>	<p>Buletinul Institutului Politehnic din Iasi Sectia: Electrotehnica, Energetica, Electronica ISSN 1223-8139;</p>	
<p>Articol IV.27. A new approach of interference problems via Monte Carlo inverse simulation</p>	<p>Micu D.D., Ceclan A., Micu D., Czumbil L., Șteț D., Simion E.</p>	<p>7rd International Conference Study and control of corrosion in the perspective of sustainable development of urban distribution grids, 2008, Romania, pp. 226-230, ISBN 978-606-521-032-5.</p>	
<p>Articol IV.28. Numerical Procedures Applied In Electromagnetic Interference Problems</p>	<p>Micu D.D., Șteț D., Ceclan A.</p>	<p>The Proceeding of 13th Biennial IEEE Conference On Electromagnetic Field Computation (CEFC 2008), Grecia, Cd-Pd2-11(320);</p>	<p>http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=14441</p>

<p>Articol IV.29. Power factor correction for single-phase loads</p>	<p>Torok Szombatfalvi F., Simion E., Micu D.D., Darabant L., Șteț D.</p>	<p>Proceeding of The 11th Symposium on Cryoelectrotechnics and Cryogenics (SCC 2008), Romania</p>	
<p>Articol IV.30. Experimental study of the power factor compensation converter</p>	<p>Torok Szombatfalvi F., Simion E., Micu D.D., Șteț D., Plesa M., Darabant L.</p>	<p>Proceeding of The 9th International Conference on Applied and Theoretical Electricity, Romania (ICATE 2008)</p>	<p>http://elth.ucv.ro/manifest/icate-2008/</p>
<p>Articol IV.31. On A Monte Carlo Approach Of Interference Problems,</p>	<p>Ceclan A., Micu D.D., Czumbil L., Micu D.O., Simion E., D. Șteț</p>	<p><i>Buletinul Institutului Politehnic din Iasi Sectia: Electrotehnica, Energetica, Electronica</i>, ISSN: 1223-8139, Vol. LIV, No. 5, pp. 251-257, 2008</p>	
<p>Articol IV.32. Condition Number as an Estimate Tool for Power Systems Stability to Small Perturbations</p>	<p>Ceclan A., Barbulescu C., Kilyeni S., Micu D.D., Șteț D., Darabant L.</p>	<p>Scientific Bulletin of the „Politehnica” University of Timisoara, Proceedings of the 7th International Power Systems Conference, (PSC 2007), Romania, pp. 141 – 144, ISSN: 1582-7194;</p>	<p>http://uefiscdi.gov.ro/articole/837/THE-5TH-INTERNATIONAL-POWER-SYSTEMS-CONFERENCE-PSC-2003.html</p>

<p>Articol IV.33. Numerical algorithm for the accurate evaluation of the induced voltages in a pipeline</p>	<p>Micu D.D., Simion E., Micu, D., Ceclan A., Cret L., Duma (Șteț) D.</p>	<p>6th International Conference on Computational Electromagnetics, Germany, (CEM 2006), pp. 230-232, ISBN 978-3-8007-2957-9, INSPEC 3-8007-2957-1.</p>	
<p>Articol IV.34. Electromagnetic interferences between ac systems and metallic structures</p>	<p>Micu D.D., Man L., Șteț D., Ceclan A., Simion E.</p>	<p>International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering, (ISEF 2007), 13-15, Czech Republic, ISBN 978-80-01-03784-3, pp. 402-404</p>	<p>http://isef2013.feit.ukim.edu.mk/History.html</p>
<p>Articol IV.35. Remarks on the optimal design of coils for magnetic stimulation of nerve fibers</p>	<p>Cret L., Plesa M., Micu D.D., D Șteț D., Simion E.</p>	<p>Proceeding of The International Conference on Electrical & Power Engineering, Iasi, (EPE 2006), pp. 647-653, ISSN 1223-8139;</p>	<p>http://www.epe.tuiasi.ro/2006/</p>
<p>Articol IV.36. Analytical Curve Fitting of Nonlinear Characteristics and Hysteresis</p>	<p>Simion E., Ceclan A., Micu D.D., Cret L., Duma (căș. Șteț), Man L.</p>	<p>Proceeding of The XIX Symposium Electromagnetic Phenomena in Nonlinear Circuits, Slovenia (EPNC 2006)</p>	<p>http://ptetis.put.poznan.pl/XIXepnc/</p>

<p>Articol IV.37. Numerical Method for the Computation Of Currents And Voltages Induced in a Pipeline</p>	<p>Micu D.D., Simion E., Micu D., Cret L., Duma (Șteț) D., Man L.</p>	<p>Proceeding of The 5th International Conference on Electromechanical and Power Systems, (SIELMEN 2005), Chisinau, Rep. Moldova, pp. 1021-1024, ISBN 973-716-208-0</p>	<p>http://www.sielmen.ee.tuiasi.ro/</p>
<p>Articol IV.38. Criteria for the Design of Symmetrizing Circuits and Simultaneous Compensation of the Reactive Power in the Three-Phase Networks</p>	<p>Man L., Man E., Simion E., Micu D.D., Cret L., Duma (căș. Șteț)</p>	<p>Proceeding of The 5th International Conference on Electromechanical and Power Systems, (SIELMEN 2005), Chisinau, Rep. Moldova, pp. 997-999, ISBN 973-716-208-0</p>	<p>http://www.sielmen.ee.tuiasi.ro/</p>
<p>Articol IV.39. Design Of Coils For Magnetic Stimulation</p>	<p>Cret L., Plesa M., Micu D.D., Duma (căș. Șteț), Man L., Simion E.</p>	<p>Proceeding of The 5th International Conference on Electromechanical and Power Systems, (SIELMEN 2005), Chisinau, Rep. Moldova, pp. 1025-1027, ISBN 973-716-208-0</p>	<p>http://www.sielmen.ee.tuiasi.ro/</p>

<p>Articol IV.40. Analysis Method For The Stability Of Controlled Sources Circuits</p>	<p>Man E., Man L., Duma (căș. Șteț), Samuila T.</p>	<p>Proceeding of The International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME_2005, Belgia Pag. 167-171 ISBN 973-686-845-1</p>	<p>http://www.sielmen.ee.tuiasi.ro/</p>
<p>Articol IV.41. Fast Fourier Transform algorithm for signal spectrum phase and amplitude calculation</p>	<p>Micu D.D, Simion E., Lohan D., Creț L., Duma (căș. Șteț)</p>	<p>Proceeding of A 7-a Conferință Internațională de Ingineria Sistemelor Moderne în Electrotehnică (EMES_2003), Oradea</p>	
<p>Articol IV.42. Studiul descărcărilor electrostatice între electrozi plan - paralel</p>	<p>Duma (căș. Șteț), Munteanu C., Micu D.D., Creț L., Lohan D.</p>	<p>Buletin științific, Seria C, Vol.X, Fascicola Electronica, Automatizări, Baia Mare, 2003, ISSN 1224 – 3272</p>	
<p>Articol IV.43. Supresia pasivă a interferențelor electromagnetice de conducție în convertoare DC/DC</p>	<p>Munteanu C., Țopa V., Simion E., Grindei L., Duma (căș. Șteț)</p>	<p>Buletin științific, Seria C, Vol.X, Fascicola Electronica, Automatizări, Baia Mare, 2003, ISSN 1224 – 3272</p>	

<p>Articol IV.44. Analytical Expression Of Induced Current Density and Power Losses in Conductive Soil</p>	<p>Micu D.D, Simion E., Lohan D., Creț L., Duma (căs. Șteț)</p>	<p>Buletin științific, Seria C, Vol.X, Fascicula Electronica, Automatizări, Baia Mare, 2003, ISSN 1224 – 3272</p>	
<p>Articol IV.45. Numerical Calculus of Binary Dielectric Mixtures Permittivity with Inclusions of different Geometrical Shapes and Sizes</p>	<p>Plesa M., Cret R., Cret L, Șteț D.</p>	<p>Proceeding of METAMATERIALS 2007, Italia 440-443,</p>	<p>http://congress2007.metamorphose-vi.org/</p>

2. CONTRACTE DE CERCETARE

1. **Director grant** CNCSIS de tip Bd, *Contribuții la modelarea numerică a interferențelor electromagnetice în echipamente de teste din EMC*, Cod CNCSIS 239/2003.
2. **Director grant** CNCSIS de tip Td, *Realizarea unui pachet software de modelare și simulare numerică a interferențelor electromagnetice din camere reverberante cu brasaj de formă*, Cod CNCSIS 218/2005.
3. **Membru în echipa de cercetare:** Contract de cercetare finanțat de S.C. Trangaz S.A. Mediaș, *Studiul coroziunii conductelor de transport gaze naturale, aflate sub influența liniilor electrice aeriene ce au tensiuni mai mari de 100kV și metode de reducere a acesteia. Studiu de caz*, Contract Nr. 27/ 26.01.2010, Director de proiect: Prof. dr. ing. Vasile Țopa
4. **Membru în echipa de cercetare:** Grant in domeniul Resurse umane, *Solutii de modelare, predictie si proiectare, cu maxim de performanta, pentru reducerea impactului curenților de dispersie asupra conductelor metalice subterane de transport gaz*, Cod CNCSIS 253/2010, Director de proiect: Conf. dr. ing. Dan Doru Micu
5. **Membru în echipa de cercetare:** Grant Parteneriate in domenii prioritare, *Sistem de predicție și diagnoză inteligentă pentru creșterea siguranței în exploatare a rețelelor electrice de distribuție, prin prevenirea avariilor la cablurile de energie – CABDIAG*, Contract Nr. 22122/2008, Director proiect: ing. Carmen Lingvay (ICPE-CA Bucuresti); Responsabil partener UTCN: prof. dr. ing. Emil Simion;
6. **Membru în echipa de cercetare:** Grant PN-II-ID-PCE-2007-1, nr. ID_1024: *Model matematic pentru studiul influenței poluării electromagnetice în c.a. a conductelor metalice subterane de gaz, cu și fără protecție catodică, aflate în vecinătatea unei stații de transformare*. Director proiect: prof. dr. ing. Emil Simion;
7. **Membru în echipa de cercetare:** Contract de cercetare CNCSIS nr. 1279/2006: *Influența câmpurilor electromagnetice asupra stabilității în funcționare și a performanțelor instalațiilor de ardere*, Director proiect: prof.dr. ing. Emil Simion (UTCN);
8. **Membru în echipa de cercetare:** Grant CEEEX, nr. 136/2006: *Diagnoză și predicție inteligentă și activă a construcțiilor cu structura de rezistență în mediul înconjurător complex poluat – DIRECTOR*, Director proiect: prof.dr. ing. Dorin Isoc (UTCN); Responsabil partener UTCN: prof. dr. ing. Emil Simion;

9. **Membru în echipa de cercetare:** Grant CEEEX, nr. 6856/2006: *Cercetări teoretice și experimentale privind comportarea materialelor electroizolante în scopul fundamentării studiilor de diagnoză și predicție inteligente* – MATELIZ, Director proiect: prof.dr. ing. Doina Gavrilă (Universitatea Politehnica Bucuresti); Responsabil partener UTCN: prof. dr. ing. Emil Simion;
10. **Membru în echipa de cercetare:** Grant CEEEX, nr. X2C37/2006: *Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor* – ICEMECOS, Director proiect: prof.dr.ing. Claudia Popescu (Universitatea Politehnica Bucuresti); Responsabil partener UTCN: Conf.dr.ing.mat. Dan Doru Micu;
11. **Membru în echipa de cercetare:** *Interferențe electromagnetice induse în ecranele unor linii electrice în cablu (ENERGOBIT_43/2012)*
12. **Membru în echipa de cercetare:** *Studiul coroziunii conductelor de transport gaze naturale aflate sub influența LEA ce au tensiuni mai mari de 100kV și metode de reducere a acesteia. Măsurători intensive și validare soft (TRANSGAZ.II_04/2011)*, Director de proiect: Conf. dr. ing. Dan Doru Micu
13. **Membru în echipa de cercetare:** *Studiul coroziunii conductelor de transport gaze naturale, aflate sub influența LEA ce au tensiuni mai mari de 100kV și metode de reducere a acesteia. Studiu de caz (TRANSGAZ.I_27/2010)*, Conf.dr.ing.mat. Dan Doru Micu
14. **Membru în echipa de cercetare:** *Protecția echipamentelor de la obiectivele DSNA Cluj și DR București Secția PNA/CNS Cluj la Supratensiuni și Impulsuri Electromagnetice cauzate de trăsnete în liniile de electroalimentare și în circuitele vocale și de date (ROMATSA_3423/2013)*, Conf.dr.ing.mat. Dan Doru Micu
15. **Director proiect** – Grant POSDRU/159/1.5/S/137516 *Soluții de modelare și predicție pentru creșterea siguranței în exploatare a rețelelor electrice de distribuție, prin prevenirea degradărilor cablurilor de energie*
16. **Membru în echipa de cercetare:** *Meeting the energy professionals skills* H2020-EE-2014-CSA-649773, Coordonator UTCN: Conf.dr.ing.mat. Dan Doru Micu

3. STAGII DE CERCETARE

1. Universite des Sciences et Technologies, Lille, Franta, TELICE Lab., prof Bernard Demoullin, 2002 (*bursa Erasmus*)
2. Aristotle University of Thessaloniki, Salonic, Grecia, Prof. Grigoris Papagianis, 2007
3. Medical University of Vienna, Electrical Engineering Faculty, Viena, Austria, prof. Winfried Mayr, 2008
4. National Technical University of Athens, Faculty of Electrical and Computer Engineering, Atena, Grecia, prof. Antonios G. Kladas, 2008
5. Universita degli Studi di Padova, Dipartimento di Ingegneria Elettrica, Padova. Italia, Prof. Daniele Desideri, 2008
6. Aristotle University of Thessaloniki, Salonic, Grecia, Prof. Grigoris Papagianis, 2009
7. Aristotle University of Thessaloniki, Salonic, Grecia, Prof. Grigoris Papagianis, 2010
8. Universite des Sciences et Technologies, Lille, Franta, TELICE Lab., prof Bernard Demoullin, 2009
9. University of Western Macedonia, Electrical Department, Kozani, Grecia, Prof. Georgios Christoforidis, 2010
10. Universita degli Studi di Padova, Dipartimento di Ingegneria Elettrica, Padova. Italia, Prof. Daniele Desideri, 2011
11. Brunel University, Electrical Engineering Department, Londra, UK, Prof. Gary Taylor, 2012
12. Dublin Institute of Technology, College of Engineering & Built Environment, Dublin, Irlanda, Prof. Micheal Conlon, 2013