

Lista de lucrări
Candidat: Conf. dr. ing. Tonț Gabriela

TEZA DE DOCTORAT

Tonț Gabriela, – *Cercetări privind fiabilitatea sistemelor de transport a agenților de răcire și a unor echipamente din centralele nucleare-electrice*
Research Regarding the Reliability of Coolants Transport Systems and Electrical Equipment from Nuclear Power Plants

Universitatea Tehnică Cluj-Napoca, 190 pg.

Conducatori de doctorat: Prof. univ. dr. ing. Radu I. Munteanu,
Prof. univ. dr. ing. V. M. Cătuneanu

Teza a fost susținută în data de 02.04.2005, confirmată prin ordinul Ministerului Educației și Cercetării nr. 185/27.07.2005.

Lucrările considerate relevante de candidată

1. **Tonț Gabriela**, Plenary Lecture “*A Bayesian Reliability Based Approach of Multi-agent System in Dynamic Environments*”, 1-st International Conferences on Circuits, Systems, Communications, Computers and Applications (CSCCA), ISSN: 1790-5109, ISBN: 978-1-61804-099-2, Iași, Romania, June 13-15, 2012. **BDI Indexed**
2. **Tonț Gabriela**, Vlădăreanu, L., Mihai Stelian Munteanu, Tonț D. G. “*Hierarchical Bayesian Reliability Analysis of Complex Dynamical Systems*” Recent Advances and Applications of Electrical Engineering, The 9th International Conference on Applications of Electrical Engineering (AEE '10), pp. 181-186, 6 pg., ISSN: 1790-5117, ISBN: 978-960-474-171-7, Penang, Malaysia, March 23-25, 2010. **ISI Proceedings**, ISI Proceedings, Accession Number in Web of Science: in Web of Science: WOS:000278030700027
3. **Tonț Gabriela**, “*Bayesian Theorem Approach in Task-Achieving Behavior for Robotic System in Heterogeneous Dynamic Environment*”, The European Computing Conference (EEC'11), ISBN: 978-960-474-297-4, ISSN: 2222-7342 pp. 306-311, 6 pg. Paris, France, April 28-30, 2011. **BDI Indexed**
4. **Tonț Gabriela**, Vlădăreanu, L., Munteanu, R. A., Tonț, D.G., “*Fuzzy Petri Net -Based Approach in Modelling Simultaneous Task Assignment for Robotic System*”, American Conference on Applied Mathematics (American-Math '10), ISBN: 978-960-474-150-2, ISSN: 1790-2769, pp. 409-414, 6 pg. Harvard University, Cambridge, USA, January, 27-29, 2010, **ISI Proceedings**, Accession Number in Web of Science: WOS:000279344900063
5. **Tonț Gabriela**, “*Non-Stationary Dynamics in Reliability Analysis of Adaptive Multi-Agent Systems*”, Proceedings of the 16th International Conference on Automatic Control, Modelling & Simulation (ACMOS '14) ISSN: 1790-5117, ISBN: 978-960-474-383-4, pp. 104-109, 6 pg., Brasov, Romania, June 26-28 2014. **BDI Indexed**

6. Vlădăreanu L., **Tonț Gabriela**, Ion I., Munteanu, M. S., Mitroi D., “ *Walking Robots Dynamic Control Systems on an Uneven Terrain*”, Advances in Electrical and Computer Engineering, ISSN 1582-7445, e-ISSN 1844-7600, vol. 10, no. 2, pp. 146-153, 2010. **ISI Journal**, Accession Number in Web of Science: WOS:000280312600026
7. **Tonț Gabriela**, “*Some Aspects Regarding Enhanced Risk Management and Marketing Decision-Making Capability in Multi-Agent Systems*”, The 2nd International Conference on Risk Management, Assessment and Mitigation (RIMA '13) ISSN: 2227-460X, pp. 132-137, 6 pg., Brasov, Romania, June 1-3, 2013. **BDI Indexed**
8. **Tonț Gabriela**, Iliescu, M., Tonț, D.G., “*Performance Indicators in Risk Management and Decision-Making Process for Complex Systems*”, Recent Researches in Applied Economics and Management - Vol. I, ISBN: 978-960-474-323-0 pp. 72-77, 6 pg., Chania, Greece, 27-29 August, 2013. **BDI Indexed**
9. **Tonț Gabriela**, Vlădăreanu, L., Munteanu, R. A., Tonț, D.G., “*Some Aspects Regarding Human Error Assessment in Resilient Socio-Technical Systems*”, International Conference on Mathematical and Computational Methods Techniques in Science and Engineering (MACMESE '09), Vol. II, ISBN: 978-960-474-135-5, ISSN: 1790-2769, pp. 139-144, 6 pg. Baltimore, Morgan State University, USA, November 7-9, 2009. **ISI Proceedings**, ISI Proceedings, Accession Number in Web of Science: WOS:000276629000020
10. **Tonț Gabriela**, “*An Integrated Framework for Business Process Re-engineering in Multi-agent Systems*”, Journal of Electrical and Electronic Engineering vol.4 issue 1, ISSN 18446035, ESSN:20672128, pp. 259-264, 6 pg. Oradea, 2012. **BDI Indexed**

Cursuri universitare tipărite

- C.1. **Tonț Gabriela**, “*Calitatea în electrotehnică*”, ISBN 973- 613-544-6, Ed. Universității din Oradea, 2004.
- C.2. Tonț, D. G. **Gabriela Tonț**, “*Echipamente și sisteme de măsurare*”, Vol. I, ISBN 973-620-014-0, Eurobit Timișoara, 2003.
- C.3. Tonț D. G., **Tonț Gabriela**, “*Echipamente și sisteme de măsurare*”, Vol. II., ISBN 973-620-046-5, Eurobit Timișoara octombrie, 2005.
- C.4. Munteanu, R. A, **Tonț Gabriela**, Holonec, R. “*Traductoare pentru sisteme de măsurare*”, ISBN 973-9357-31-8, Ed. Mediamira Cluj Napoca, 2003.
- C.5. **Tonț Gabriela**, Tonț D. G., Degeratu S., “*Traductoare pentru echipamente și sisteme de măsurare*”, Ed. Eurobit Timișoara, ISBN 978-973-620-352-7, 207, 2008.
- C.6. **Tonț Gabriela**, Munteanu R. A., Tonț D. G., “*Sisteme de achiziție și senzori*”, vol. I, ISBN 978-973-620-593-7, Ed. Eurobit Timișoara, 2010.
- C.7. Tonț D. G., **Tonț Gabriela**, “*Analiza unitară și integrarea unor circuite cuadripolare antireciproce în sisteme multisenzor*”, Editura Universității din Oradea, ISBN 978-606-10-1498-9, 2015.
- C.8. **Tonț Gabriela**, “*Fiabilitate*”, Litografia Universității din Oradea, 2002.

Cursuri universitare în format electronic

- Tonț Gabriela** “*Fiabilitatea sistemelor*”, curs, 2013,
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Indrumare de laborator

- L.1. **Tonț Gabriela**, Tonț, D. G., “*Fiabilitate*”, Litografia Universității din Oradea, 2003.
- L.2. **Tonț Gabriela**, D. G. Tonț, “*Calitatea în electrotehnică*”, Litografia Universității din Oradea, 2004.
- L.3. Tonț, D. G., **Tonț Gabriela**, “*Echipe de măsură și control*”, Litografia Universității din Oradea, 2008.
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- L.5. Tonț, D. G., **Tonț Gabriela**, “*Compatibilitate electromagnetică*”, Litografia Universității din Oradea, 2010.
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- L.7. **Tonț Gabriela**, “*Calitatea în electrotehnică, laborator*”, Litografia Universității din Oradea, 2015.

A). Articole în extenso în reviste cotate și în volume Proceedings indexate ISI Thomson-Reuters

- A.1. Vlădăreanu L., **Tonț Gabriela**, Ion I., Munteanu, M. S., Mitroi D., “*Walking Robots Dynamic Control Systems on an Uneven Terrain*”, Advances in Electrical and Computer Engineering, ISSN 1582-7445, e-ISSN 1844-7600, vol. 10, no. 2, pp. 146-153, 2010. JRC (ISI Journal, ISI Web of Knowledge, **Impact factor: 0, 580**).
<https://www.aece.ro/abstractplus.php?year=2010&number=2&article=26>
- A.2. Vlădăreanu, V., Dumitrache, I., Vlădăreanu, L., Sacală, I., **Tonț Gabriela**, Moiescu M. A., “*Versatile Intelligent Portable Robot Control Platform Based on Cyber Physical Systems Principles*”, Vol. 24, Issue 4, 2015. (ISI Journal, ISI Web of Knowledge, **Impact factor: 0, 913**)
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- A.3. **Tonț Gabriela**, Munteanu, R. A., Tonț D.G. “*Aspects Regarding the Unidirectional Two-Port Circuits Implemented by Means of Electronic Gytrators*”, Advances in Electrical and Computer Engineering, ISSN1582-7445, e-ISSN 1844-7600, în curs de apariție, 2016. (ISI Journal, ISI Web of Knowledge, **Impact factor: 0, 529**).
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- A.6. Vlădăreanu, L., **Tonț Gabriela**, Ion Ion, Vlădăreanu, V., Daniel Mitroi, “*Modeling and Hybrid Position-Force Control of Walking Modular Robots*”, American Conference on Applied Mathematics (American-Math '10), ISBN: 978-960-474-150-2, ISSN: 1790-2769, pp. 510-518, 10 pg, Harvard

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- A.8. Vlădăreanu, L., **Tonț Gabriela**, Ion, I., Lucian M. V., Gal, A., Melinte, O., "*Fuzzy Dynamic Modeling for Walking Modular Robot Control*", Recent Advances and Applications of Electrical Engineering, The 9th International Conference on Applications of Electrical Engineering (AEE '10), pp. 163-170, 8 pg., ISSN: 1790-2769, ISBN: 978-960-474-171-7, Penang, Malaysia, March 23-25, 2010, **ISI Proceedings**, Accession Number in Web of Science: WOS:000278030700024
- A.9. Munteanu, R., Buzdugan, M. I., **Tonț Gabriela**, Munteanu, R. A. "*Teaching The Messenger Generation*", Proceedings of the 6th International Seminar on Quality Management in Higher Education, Book 2, pag.175-178, July 8th-9th, Tulcea, Romania, 2010, **ISI Proceedings**, Accession Number in Web of Science: WOS:000288291700044.
- A.10. **Tonț Gabriela**, "*Dynamics of Transitions in Reliability Analysis of Complex Multi-state Systems*", Advanced Applications of Electrical Engineering, The 8th International Conference on Applications on Electrical Engineering, ISSN: 1790-5117, ISBN: 978-960-474-072-7, pp. 153 – 158, 5 pg. Hudson, Tx. USA, April, 30- May 2, 2009, **ISI Proceedings**, Accession Number in Web of Science: WOS:000266634900024
- A.11. **Tonț Gabriela**, Vlădăreanu, L., Munteanu, R. A., Tonț, D.G., "*Some Aspects Regarding Human Error Assessment in Resilient Socio-Technical Systems*", 11th International Conference on Mathematical and Computational Methods Techniques in Science and ENGINEERING (MACMESE '09), Vol. II, ISBN: 978-960-474-135-5, ISSN: 1790-2769, pp. 139-144, 6 pg. Baltimore, Morgan State University, USA, November 7-9, 2009, **ISI Proceedings** Accession Number in Web of Science: WOS:000276629000020
- A.12. Tonț D. G., Iliescu, M., **Tonț Gabriela**, "*Analysis Of Antireciprocity On Hall Effect-Structured Gyrotors*", 10th International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE 08), ISSN 1790-2769, ISBN 978-960-474-019-2, pp. 170-176, Pg.7, November, Bucharest, 2008, **ISI Proceedings**, Accession Number in Web of Science: WOS:000262436800041
- A.13. Tonț, D.G., Iliescu, M., Vlădăreanu, L., **Tonț Gabriela**, "*Performances Characteristics Of Gyrotors Structured On Operational Amplifier*", 10th International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE 08), ISSN 1790-2769, ISBN 978-960-474-019-2, pp. 264-270, Pg.7, November, Bucharest, 2008, **ISI Proceedings**, Accession Number in Web of Science: WOS:000262436800060
- A.14. Vlădăreanu, L., Ion Ion, E. Diaconescu, **Tonț Gabriela**, Velea, L., Mitroi, D., "*The Hybrid Position and Force Control Of Robots With Compliance Function*", 10th International Conference On Mathematical and Computational Methods In Science and Engineering (MACMESE 08), ISSN 1790-2769, ISBN 978-960-474-019-2, pp. 384-389, Pg.6, November, Bucharest, 2008, **ISI Proceedings**, Accession Number in Web of Science: WOS:000262436800082

- A.15. **Tonț Gabriela**, Tonț, D.G., “*Reliability Optimization Assessment Method of a System under Operational Conditions*”, The 9-th International Conference on Automation and Information (ICAI’ 08) Bucharest, Romania, June 2008, ISBN: 978-960-6766-77-0, ISSN 1790-5117, pp. 254-260, 6 pg., 2008, **ISI Proceedings**, Accession Number in Web of Science: WOS:000258497000041
- A.16. **Tonț Gabriela**, Tonț, D.G., “*Availability Assessment for Multivalent and Multifunctional Systems*”, The 9-th International Conference on Automation and Information (ICAI’ 08) Bucharest, Romania, June 2008, ISBN: 978-960-6766-77-0, ISSN 1790-5117, pp. 260-266, 6 pg., 2008, **ISI Proceedings**, Accession Number in Web of Science: WOS:000258497000042
- A.17. Degeratu, S; Petrisor, A; **Tont Gabriela**, Bizdoacă, N. G., “*Some Investigations On Insulation Systems For The Three Phased Induction Motors*”, International Conference on Computer as a Tool (EUROCON 2007), vol. 1-6, pp. 1650-1654, pg. 5, Warsaw POLAND 2007, **ISI Proceedings**, Accession Number in Web of Science: WOS:000257261901042

B. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

- B.1. **Tont Gabriela**, Plenary Lecture, “*Hierarchical Fuzzy Petri Nets Approach of Simultaneous Task Assignment for Autonomous Mobile Robots*”, 8-th European Computing Conference, ECC '15, ISSN: 1790-5117, ISBN- 978-1-61084-355-9, pp. 77-83, 6 pg., Budapest, 2015.
- B.2. Tont D. M., **Tont Gabriela**, Tont M. D., “*Aspects of Social Media Marketing Properties as Variables in Costumer Relationships Analysis*”, Proceedings of 7-th International Conference on Applied Economics and Business, AEBD '15, ISSN: 2227-460X, ISBN- 978-1-61804-357-3, pp. 25-30, 6 pg., Budapest, 2015.
- B.3. Tont D. M., **Tont Gabriela**, Tont M. D., “*A Conceptual Framework of the Impact of Social Media Marketing on Consumer’s relationship*”, Proceedings of 7-th International Conference on Applied Economics and Business, AEBD '15, ISSN: 2227-460X, ISBN- 978-1-61804-357-3, pp. 47-51, 5 pg., Budapest, 2015.
- B.4. Gabriela Tont, Miha Dan Tont Dan George Tont, “*Hall Effect in Multi-Sensors Systems for Mobile Robot Localization in Uneven Terrain*”, 8-th European Computing Conference, ECC '15, ISSN: 1790-5117, ISBN- 978-1-61084-355-9, pp. 131-137, 6 pg., Budapest, 2015.
- B.5. Dan George Tont, Gabriela Tont, “*Power Balance Interpretation in Sinusoidal Regime of Capacitively-Loaded Gyrator*”, 7-th International Conference on Sensors and signals, SENSIG '15, ISSN: 1790-5117, ISBN- 978-1-61084-355-9, pp. 172-177, 9 pg., Budapest, 2015.
- B.6. Gabriela Tont, Dan George Tont, “*Risk-Based Approach of Human Reliability in Sociotechnical Systems*”, 20-th International Conference on applied Mathematics, AMATH '15, ISSN:2227-4588, ISBN: 978-1-61804-354-2, pp. 52-58, 6 pg., Budapest, 2015.
- B.7. **Tonț Gabriela**, Plenary Lecture, “*Non-Stationary Dynamics in Reliability Analysis of Adaptive Multi-Agent Systems*”, Proceedings of the 16th International Conference on Automatic Control, Modelling & Simulation (OS '14) ISSN: 1790-5117, ISBN: 978-960-474-383-4, pp. 104-109. Brasov, Romania, 2014.
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- B.9. **Tonț Gabriela**, Tonț, D. G., Reliability “*Performance Assessment in Modeling Photovoltaic Networks*”, EED 2014, Session Renewable Energy Systems, ISBN: 978-960-474-385-8, pp. 63-68., Brasov, Romania, 2014. BDI Indexed.
- B.10. Tonț, D. M., Tonț, D. G., **Tonț Gabriela**, “*Integrated Framework for Risk Assessment in Socio-technical Systems*”, The 3rd International Conference on Risk Management, Assessment and Mitigation (RIMA '14), ISSN: 2227-460X, ISBN: 978-960-474-386-5, pp. 252-257, Brasov, Romania, 2013.
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- B.12. **Tonț Gabriela**, Secara O. M., Tonț, D. G., “*Bayesian Reliability Analysis of Non-Stationarity in Multi-agent Systems*”, Journal of Electrical and Electronics Engineering, ISSN 1844-6035, Vol. 6; Issue: 1; pp 153-158, Oradea, 2013. BDI Indexed (SCOPUS, DOAJ, SCIPPIO, Google Scholar).
- B.13. Tonț, D. G., **Tonț Gabriela**, “*Analysis of Gytrators Structured on the Equivalent Circuits*”, The 4th International Conference on Mathematical Models for Engineering Science (MMES '13), ISBN: 978-1-61804-194-4, pp. 75-80, Brasov, Romania, 2013.
- B.14. Secară, O. M., **Tonț Gabriela**, Tonț, D. G., “*A Parametric Method for Reliability Management in Multi-state System under Uncertainty*” Advances in Automatic Control, Modelling & Simulation, ISBN: 978-1-61804-189-0 pp. 115-120, Brasov, Romania, 2013. BDI Indexed (INSPEC, EBSCO, Engineering Village, Google Scholar).
- B.15. Tonț, D. M., **Tonț Gabriela**, Tonț, D. G., “*Simultaneous Optimization of Preventive Maintenance and Replacement Policy in Systems*” Advances in Production, Automation and Transportation Systems, ISBN: 978-1-61804-193-7, pp. 82-87, 6pg, Brasov, Romania, 2013.
- B.16. **Tonț Gabriela**, Vlădăreanu, V., *Risk-Based Approach in Availability Management for Dynamical Complex Systems*, Recent Advances in Robotics, Aeronautical and Mechanical Engineering, ISBN: 978-1-61804-185-2 pp. 31-36, Vouliagmeni, Athens, Greece, May 14-16, 2013.
- B.17. Vlădăreanu, V., **Tonț Gabriela**, Paul Schiopu, “*Bayesian Approach of Simultaneous Localization and Mapping (SLAM) in a Wireless Sensor Networks Navigation for Mobile Robots in Non-Stationary Environments*”, Recent Advances in Robotics, Aeronautical and Mechanical Engineering, ISBN: 978-1-61804-185-2, pp. 25-31, Vouliagmeni, Athens, Greece, May 14-16, 2013.
- B.18. **Tonț Gabriela**, Iliescu M., Tonț, D. G., “*Performance Indicators in Risk Management and Decision-Making Process for Complex Systems*”, Recent Researches in Applied Economics and Management - Vol. I, ISBN: 978-960-474-323-0 pp. 72-77, 6 pg, Chania, Greece, 27-29 August, 2013.
- B.19. Vlădăreanu, V., **Tonț Gabriela**, Vlădăreanu, L., Smarandache, F., “*The navigation of mobile robots in non-stationary and non-structured environments*”, International Journal of Advanced Mechatronic Systems. 2013 Vol. 5, No. 4, pp. 232-242, 10 pp. DOI:10. 1504/IJAMECHS. 2013. 057663, ISSN online: 1756-8420, ISSN print: 1756-8412, Excellence in Research for Australia (ERA): Journal list 2012.
- B.20. **Tonț Gabriela**, Plenary Lecture” *A Bayesian Reliability Based Approach of Multi-agent System in Dynamic Environments*”, 1-stInternational Conferences on Circuits, Systems, Comuncations,

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- B.21. **Tonț Gabriela**, “An Integrated Framework for Business Process Re-engineering in Multi-agent Systems”, Journal of Electrical and Electronic Engineering, vol. 4 issue1, ISSN 18446035, ESSN:20672128, pp 259-264, Oradea, 2012.
- B.22. Vlădăreanu, L., **Tonț Gabriela** Vlădăreanu, V., Smarandache F., Capitanu L., “The Navigation Mobile Robot Systems Using Bayesian Approach Through The Virtual Projection Method”, The International Conference on Advanced Mechatronic Systems, pp. 498-503, ISSN: 1756-8412, 978-1-4673-1962-1, INSPEC Accession Number: 13072112, Tokyo, Japan, 18-21 Sept. 2012.
- B.23. **Tonț Gabriela**, “Assessing Risk-Based Performance Indicators in Safety-Critical Systems for Nuclear Power Plants”, Journal of Electrical and Electronic Engineering, vol. 4 issue1, ISSN: 18446035, pp. 227-232, Oradea, 2011.
- B.24. Vlădăreanu, L., **Tonț Gabriela**, Hongnian Yu, Bucur, D. A. “The Petri Nets and Markov Chains Approach for the Walking Robots Dynamical Stability Control”, Advanced International Conference on Mechatronic Systems (ICAMechS), 11-13 Aug. 2011, pp. 228 – 233, Zhengzhou, ISBN: 978-1-4577-1698-0 INSPEC, Accession Number:
- B.25. **Tonț Gabriela**, “Bayesian Theorem Approach in Task-Achieving Behavior for Robotic System in Heterogeneous Dynamic Environment”, The European Computing Conference (EEC'11), ISBN: 978-960-474-297-4, ISSN: 2222-7342 pp. 306-311, Paris, France, April 28-30, 2011
- B.26. **Tonț Gabriela**, Vlădăreanu, L., Mihai Stelian Munteanu, Tonț, D. G., “Operational Risk Factors Assessment in Non-nominally and Transitory Running Regimes for Nuclear Power Plants”, Journal of Electrical and Electronic Engineering, vol. 3 nr. 2, ISSN 1844-6035, Oradea, 2010.
- B.27. **Tonț Gabriela**, Vlădăreanu, L., Mihai Stelian Munteanu, Tonț, D. G., “Some Remarks Regarding the Verification of the Antireciprocity Condition Using Particular Input Parameters for the Ideal Gyrotors”, Journal of Electrical and Electronic, Engineering, vol. 3 nr. 2, ISSN 1844-6035, pp. 231-236, Oradea, 2010.
- B.28. **Tonț Gabriela**, Vlădăreanu, L., Mihai Stelian Munteanu, Tonț, D. G., “Markov Approach of Adaptive Task Assignment for Robotic System in Non-Stationary Environments”, WSEAS Transaction on Systems, Vol. 9, Issue 3, 2010, ISSN: 1109-2777, pp. 273-282, 10 pg., 2010.
- B.29. Degeratu,, S., Bizdoaca, N., Rizescu, S., Rotaru, P., Degeratu,, V., **Tonț Gabriela**, “Barrier Structures using Shape Memory Alloy Springs”, International Conference on Development, Energy, Environment, Economics (DEEE '10), pp. 367-372, Puerto De La Cruz, Tenerife, November 30-December 2, 2010.
- B.30. **Tonț Gabriela**, Plenary Lecture, “The Operating Risk Assessment For Dependable Systems”, 11th International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE '09), Vol. I, ISBN: 978-960-474-124-3, ISSN: 1790-2769, pp. 737-742, Vouliagmeni, Athens, Greece, 28-30 September, 2009.
- B.31. Tonț, D. G., Vlădăreanu, L., Munteanu, R. A., **Tonț Gabriela**, “The Implementation of a Unidirectional Topology Using Hall Gyrotor”, the 11th International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE '09), Vol. II, ISBN: 978-960-474-124-3, ISSN: 1790-2769, pp. 725-730, Vouliagmeni, Athens, Greece, 28-30 September, 2009.

- B.32. Munteanu, R. A., Vlădăreanu, L., Tonț, D. G., **Tonț Gabriela**, “*Input Equivalent Impedance Optimization for Antireciprocal Quadripols*”, the 11th International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE '09), Vol. II, ISBN: 978-960-474-124-3, ISSN: 1790-2769, pp. 747-752, Vouliagmeni, Athens, Greece, 28-30 September, 2009.
- B.33. Calapod, A., Vlădăreanu, L., Munteanu, R. A., Tonț, D. G., **Tonț Gabriela**, “*A Bayesian Framework for Parameters Estimation in Complex System*”, the 11th International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE '09), Vol. II, ISBN: 978-960-474-124-3, ISSN: 1790-2769, pp. 719-724, Vouliagmeni, Athens, Greece, 28-30 September, 2009.
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- B.57. **Tonț Gabriela**, **Tonț, D. G.**, *“Aspecte ale implementării unui sistem de management al calității la nivelul întreprinderilor mici și mijlocii”*, Optimum Q, ISSN 1220-6598, vol. XVII, nr. 1-3, pp. 47-53, 4 pg., București, 2006.
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C). Articole in extenso în Reviste/Proceedings nationale/internationale neindexate

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- N.2. Vlădăreanu, L., **Tonț Gabriela**, Gal, A., Melinte, O., *“The PLC Real Time Control in Solid Mechanics”*, THE ANNUAL Symposium of the Institute of Solid Mechanics, Romanian Academy, Bucharest, 28-29 May, 2009.
- N.3. D. G. Tonț, **Tonț Gabriela**, *“Power Balance for Gyrator Based on Two Controlled Source Equivalent Circuit”*, Rev. ACTA ELECTROTEHNICA Vol., nr.1, ISSN 1224-2497, pp. 20-23, 4 pg., Cluj-Napoca, 2009.
- N.4. **Tonț Gabriela**, D. G. Tonț, *“An Approach of Preventive Maintenance for Dynamic Systems under Uncertainty”*, Journal of Electrical and Electronics Engineering, Oradea, 08, ISSN 1844-6035, pp. 154-158, 5pg, 2008.
- N.5. **Tonț Gabriela**, D. G. Tonț, *“A Method of Accelerated Life Testing for Multidimensional Process”*, Journal of Electrical and Electronics Engineering, Oradea, ISSN 1844-6035, pp. 148-153, 6pg, 2008.
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D). Proiecte

- P.1. *Preparation of an Electronic Distance Learning Guidebook and the Ensuing Short-Cycle Pilot Training Packages based on Real Market Demands*, Acronym: E-competence Project code: HURO/0801/067, 2009 – 2011, Value: 77.000 euro, **director de proiect**.
- P.2. *Evaluarea fiabilității și a uzurii utilajelor și echipamentelor de uscare, prelucrare și ambalare a nucilor implementarea unui program de men-tenanță proactivă prin mijloacele fiabilității dinamice*, Valoarea 30.000 lei, Acronim: WEAR-ED, **director de proiect**.
- P.3. *Sustainable use of geothermal energy in the Săcueni-Létavértes area*, Project code: HURO-0801-006, 2009 – 2011, value: 120 000 euro. member,
- P.4. *Research on the behavior of the composite material constituting the pavers manufactured by SC VALVIO SME, project 55c/09.12.2009*, 2009 – 2011, value: 50 000 lei. membru.
- P.5. *Research on determining the degree of contamination of industrial oils of high power transformers that provide maintenance Hidroserv Slatina*. Proiect 536/28.07.2009. project: 2009 – 2011. valoare: 14 000 Euro, member.
- P.6. “*Școala universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și inginerești - DidaTec*” POSDRU/87/1.3/S/60891, • participant participant selectat prin competiție.
- P.7. Sistem de automatizări complexe modulare cu dispecerizare la distanță, contract 127-2007, Programul Național PN II INOVARE, coordonator program AMCSIT, valoare 2.763.000 lei, responsabil analize fiabilitate
- P.8. Sistem automat cu control în timp real configurabil și modular, contract 011-2007, PN II INOVARE, coordonator program AMCSIT, colaborator.

E). Brevete de invenție

Brevet de invenție internațional

- I.1. **Brevet EPO 104 64006.5/27.09.2010**, *Method and Device for Walking Robot Dynamic Control*, Authors: Vladareanu, L., Velea, L. M., Munteanu, R. A., Sireteanu T., Munteanu, M.S., **Tonț Gabriela**, Vladareanu, V., Balas, C., Tonț, D.G., Melinte, I D.O., Gal, A.

Brevete de invenție naționale

- N.1. **Brevet OSIM A/00052/21.01.2010**, *Method and Device for Walking Robot Dynamic Control*, Authors: Vladareanu, L. M., Velea, L. M., Munteanu, R. A., Sireteanu, T. Munteanu, M.S., **Tonț Gabriela**, Vladareanu, V., Balas, C., Tonț, D.G., Melinte, D.O., Gal I.A.
- N.2. **Brevet OSIM A1024/07.12.2009**, *Method and Device Of Propulsion Without Own Energy Source for Mobile Systems* Authors: Șandru O. I., Munteanu, R. I., Vladareanu L., **Tont Gabriela**, Munteanu, M. S., Schiopu P., Velea L. M., Stanciu L., Vladareanu, V., Bacalu I., Șandru A.
- N.3. **Brevet OSIM:A/00626/07.08.2009**, *Method and Device for Driving Mobil Inertial Robots*, Authors: Munteanu, R. I., Vlădăreanu, L., Șandru, O. I., Velea, L. M., Hongnian Yu, Mastorakis, N., **Tonț Gabriela**, Diaconescu, E., Munteanu, R. A., Vladareanu, V., Șandru. A.

F). Prezentări invitate în plenul unor manifestări științifice

1. **Tonț Gabriela**, Plenary Lecture, “*The Operating Risk Assessment For Dependable Systems*”, The Applied Computing Conference 2009 (Acc '09) And The 11th International Conference On Mathematical Methods And Computational Techniques In Electrical Engineering (Mmactee '09), Volume I, Isbn: 978-960-474-124-3, Issn: 1790-2769, pp. 747-752, pp. 737-742, 6 pg., Vouliagmeni, Athens, Greece, 28-30 September, 2009
2. **Tonț Gabriela**, Plenary Lecture, “*A Bayesian Reliability Based Approach of Multi -agent System in Dynamic Environments*”, 1-st International Conferences on Circuits, Systems, Communications, Computers and Applications (CSCCA), ISSN: 1790-5109, ISBN: 978-1-61804-099-2, Iași, Romania, June 13-15, 2012
3. **Tonț Gabriela**, Plenary Lecture, “*Some Aspects Regarding Enhanced Risk Management and Marketing Decision-Making Capability in Multi-Agent Systems*”, The 2nd International Conference on Risk Management, Assessment and Mitigation (RIMA '13) ISSN: 2227-460X, pp. 132-137, 6 pg., Brasov, Romania, June 1-3, 2013.
4. **Tonț Gabriela**, Plenary Lecture, “*Non-Stationary Dynamics in Reliability Analysis of Adaptive Multi-Agent Systems*”, Proceedings of the 16th International Conference on Automatic Control, Modelling & Simulation (OS '14) ISSN: 1790-5117, ISBN: 978-960-474-383-4, pp. 104-109, 6 pg., Brasov, Romania, June 26-28 2014.
5. **Tont Gabriela**, Plenary Lecture, “*Hierarchical Fuzzy Petri Nets Approach of Simultaneous Task Assignment for Autonomous Mobile Robots*”, 8-th European Computing Conference, ECC '15, ISSN: 1790-5117, ISBN- 978-1-61084-355-9, pp. 77-83, 6 pg., Budapest, 2015.

G). Premii

- M.1. The Belgian International Trade Fair for Technological Innovation, EUREKA, Gold Medal with mention in Bruxelles for the Invention *Method and Device for Driving Mobil Inertial Robot* Brussels, 2009.
- M.2. Medal and Diploma of International Warsaw Inventions Show IWIS 2009, Association of Polish Inventors and Rationalizers, for the Invention *Method and Device Walking Robot Dinamic Control* Warsaw, 2009.
- M.3. Diplôme du Salon international des Inventions Genève, pour *Procédé et contrôle dynamique de la*

- marche de robots*, Genève 2010.
- M.4. Diplôme du Salon international des Inventions Genève, pour Methode et dispositif de fonctionnement et de contrôle de robots Genève 2010.
- M.5. Special Prize for the Innovative Invention *Method and Device for Driving Mobil Inertial Robot*, Isfahan University of Technology, Robotic Center, Republic of Iran, 2010.
- M.6. The Belgian International Trade Fair for Technological Innovation, EUREKA, Gold Medal with mention in Bruxelles for the Innovation *Method and Device of Propulsion Without Any Source of Self-Energy Mobile Systems*, 2010.
- M.7. Gold Medal and Diploma of International Warsaw Inventions Show IWIS 2010, Association of Polish Inventors and Rationalizers, for the Invention *Method and Device of Dynamic Control of a Walking Robot* Invention Warsaw, 2010.
- M.8. Gold Medal with Mention and Diploma of International Warsaw Inventions Show IWIS 2010, Association of Polish Inventors and Rationalizers, for the Invention *Method and Device for Driving Mobil Inertial Robot* Warsaw, 2010.
- M.9. Diplôme du Salon international des Inventions Genève, pour l'invention: Methode et dispositif de fonctionnement et de contrôle de robots mobiles d'inertie, , 2011.
- M.10. Outstanding Invention Award, Hong Kong Polytechnic University, Diploma for *Propulsion Without Any Source of Self-Energy Mobile Systems* for the Innovation Method and device of propulsion without any source of self-energy for mobile systems, 2011.
- M.11. Gold Medal of the 9th International Exhibition of Inventions - ARCA 2011, Zagreb, CROAȚIA, 13-15 October 2011, for the patent: Method and device of propulsion without any source of self-energy for mobile systems, 2011.
- M.12. Gold Medal for Inventions at 5-th IWIS Exhibition, 3-5 November 2011for the patent: *Method and Device for Walking Robot Dynamic Control*, Warsaw, Poland 2011.
- M.13. Medal and international Prize of The X – the Moscow International Salon of Innovations and Investments, September 2010, Moscow, Russia, for the patent: *Method and Device for Walking Robot Dynamic Control*.

