

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

TEZA DE ABILITARE

Tonț Gabriela, – *Systems Reliability Investigations Enhancing Risk Management Decisions Making in Dynamic Environments*,
Domeniul: Inginerie și management.

Universitatea “Lucian Blaga” Sibiu

Teza a fost susținută în data de 01. 04. 2016, confirmată prin ordinul Ministerului Educației Naționale și Cercetării Științifice nr. 4015/07.06.2016.

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.

Conducători 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.

Publicații considerate relevante de candidată

1. **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. (**BDI Indexed, Scopus**).
2. **Tonț Gabriela**, Munteanu, R. A., Tonț, D.G., Iudean, D., “*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, vol16, no.1, 2016. (**ISI Journal, ISI Web of Knowledge, Impact factor: 0, 459**).
<https://www.aece.ro/abstractplus.php?year=2010&number=2&article=26>
3. **Tonț Gabriela**, “*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. (**BDI Indexed, Scopus**).
4. Vlădăreanu, L., **Tonț Gabriela**, Hongnian Yu, Bucur, D. A. “*The Petri Nets and Markov Chains Approach for the Walking Robots Dynamical Stability Control*”, IEEE Conference, Advanced International Conference on Mechatronic Systems (ICAMechS), pp. 228 – 233, ISBN: 978-1-4577-1698-0, Zhengzhou, 2011. (**BDI Indexed, IEEE Xplore**).

Candidat: Conf. dr. ing. Tonț Gabriela

5. 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, 723).
http://sic.ici.ro/?page_id=5463
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 University, Cambridge, USA, January, 27-29, 2010. (ISI Proceedings, Accession Number in Web of Science: WOS: 000279344900083).
7. **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, USA, January, 27-29, 2010. (ISI Proceedings, Accession Number in Web of Science: WOS:000279344900063).
8. Vlădăreanu, L., **Tonț Gabriela** Vlădăreanu, V., Smarandache F., Capitanu L., "The Navigation Mobile Robot Systems Using Bayesian Approach Through the Virtual Projection Method", IEEE Conference 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. (BDI Indexed, IEEE Xplore).
9. 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).
10. **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, Scopus).

Cărți de specialitate

- C.1. Tonț D. G., **Tonț Gabriela**, "Analiza unitară și integrarea unor circuite cuadripolare antireciprocă în sisteme multisenzor", Editura Universității din Oradea, ISBN 978-606-10-1498-9, 2015.
- C.2. **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.3. **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.4. Tonț D. G., **Tonț Gabriela**, "Echipamente și sisteme de măsurare", Vol. II., ISBN 973-620-046-5, Eurobit Timișoara octombrie, 2005.
- C.5. Tonț D. G. **Gabriela Tonț**, "Echipamente și sisteme de măsurare", Vol. I, ISBN 973-620-014-0, Eurobit Timișoara, 2003.
- C.6. Munteanu, R. A., **Tonț Gabriela**, Holonec, R. "Traductoare pentru sisteme de măsurare", ISBN 973-9357-31-8, Ed. Mediamira Cluj Napoca, 2003.

Material didactic/Lucrări didactice

- L.1. **Tonț Gabriela**, "Roboți", note de curs, format electronic, 2016.

Candidat: Conf. dr. ing. Tonț Gabriela

- L.2. **Tonț Gabriela**, "Asigurarea calității în sistemele electrice", laborator, Tipografia Universității din Oradea, 2015.
- L.3. Tonț, D. G., **Tonț Gabriela**, "Compatibilitate electromagnetică", Tipografia Universității din Oradea, 2010.
- L.4. Tonț, D. G., **Tonț Gabriela**, "Traductoare și senzori", Tipografia Universității din Oradea, 2009.
- L.5. Tonț, D. G., **Tonț Gabriela**, "Echipamente de măsură și control", Tipografia Universității din Oradea, 2008.
- L.6. **Tonț Gabriela**, D. G. Tonț, "Calitatea în electrotehnică", curs, Litografia Universității din Oradea, 2004.
- L.7. **Tonț Gabriela**, Tonț, D. G., "Fiabilitate", laborator, Litografia Universității din Oradea, 2003.
- L.8. **Tonț Gabriela** "Fiabilitatea sistemelor", curs, Litografia Universității din Oradea, 2002

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

- A.1. **Tonț Gabriela**, Munteanu, R. A., Tonț, D.G., Iudean, D., "Aspects Regarding the Unidirectional Two-Port Circuits Implemented by Means of Electronic Gyralors", Advances in Electrical and Computer Engineering, ISSN1582-7445, e-ISSN 1844-7600, vol16, no.1, 2016. (ISI Journal, ISI Web of Knowledge, Impact factor: 0, 459), Accession Number in Web of Science: in Web of Science: WOS:000376995400012
<https://www.aece.ro/abstractplus.php?year=2010&number=2&article=26>
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=1
- A.2. Vlădăreanu, V., Dumitrache, I., Vlădăreanu, L., Sacală, I., **Tonț Gabriela**, Moisescu M. A., "Versatile Intelligent Portable Robot Control Platform Based on Cyber Physical Systems Principles", Vol. 24, Issue 4, 2015, Accession Number in Web of Science: in Web of Science: WOS:000366543700005. (ISI Journal, ISI Web of Knowledge, Impact factor: 0, 723)
http://sic.ici.ro/?page_id=5463
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=2
- A.3. 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, Accession Number in Web of Science: in Web of Science: WOS:000280312600026. JRC (ISI Journal, ISI Web of Knowledge, Impact factor: 0, 700).
<https://www.aece.ro/abstractplus.php?year=2010&number=2&article=26>
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=4
- A.4. Munteanu, M., Rusu, C., Moga, D., Moga, R., **Tonț Gabriela**, – "EMG Signals Case Study: A Time and Frequency Domain Analysis", in International Conference on Advancements of Medicine and Health Care through Technology MediTech, IFMBE Proceedings, 2011, Vol. 36, Part 3, p. 202-205, Springer Berlin Heidelberg, 2011, ISI Proceedings, Accession Number in Web of Science: in Web of Science: WOS:000308454900044.
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=3
- A.5. 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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=5
- A.6. **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: 1790-2769, ISBN: 978-960-474-171-7, Penang, Malaysia, March 23-25, 2010, ISI Proceedings, Accession Number in Web of Science: WOS:000278030700027
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=6
- A.7. 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.
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=7
- A.8. **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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=8
- A.9. **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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=9
- A.10. **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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=R1XFNtlmhKkBDTS8YMK&page=1&doc=10
- A.11. 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 University, Cambridge, USA, January, 27-29, 2010, ISI Proceedings, Accession Number in Web of Science: WOS: 000279344900083

Candidat: Conf. dr. ing. Tonț Gabriela

- http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=11
- A.12. Tonț D. G., Iliescu, M., **Tonț Gabriela**, "Analysis Of Antireciprocity On Hall Effect-Structured Gytrators", 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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=13
- A.13. **Tonț Gabriela** Tonț. D.G., Iliescu, M., Vlădăreanu, L., , "Performances Characteristics Of Gytrators 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 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=14
- 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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=15
- 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 (ICA' 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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=16
- A.16. **Tonț Gabriela**, Tonț, D.G., "Availability Assessment for Multivalent and Multifunctional Systems", The 9-th International Conference on Automation and Information (ICA' 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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=17
- A.17. Degeratu, S; Petrisor, A; **Tonț 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
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=R1XFNtlmhKkBDTS8YMK&page=2&doc=18

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

- B.1. Degeratu, S., Alboteanu, L., Boncea, I., Bizdoaca, N.G., Coman, D., Caramida, C., "Tont, Gabriela, *Structure based on shape memory alloy actuator*", International Conference on Applied and Theoretical Electricity, ICATE 2016; Craiova; Romania; 2016.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85006757857&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a1730&ot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2824438542500%29&relpos=0&citeCnt=0&searchTerm=>
- B.2. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.3. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.4. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.5. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.6. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.7. Tont Gabriela, 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.8. Tont 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.9. Tont, M. D., Tont, D. G., Tont Gabriela, "A Framework for Two-Port Parameters Assessment", The 16th International Conference on Automatic Control, Modelling & Simulation (OS '14), ISSN: 1790-5117, ISBN: 978-960-474-383-4, pp. 27-33. Brasov, Romania, 2014 BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.10. Tont Gabriela, Tont, 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 (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.11. Tont, D. M., Tont, D. G., Tont Gabriela, "Integrated Framework for Risk Assessment in Sociotechnical 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).

Candidat: Conf. dr. ing. Tont Gabriela

- B.12. **Tonț Gabriela**, Plenary Lecture, “*Some Aspects Regarding Enhanced Risk Management and Marketing Decision-Making Capability in Multi-Agent Systems*”, The 2-nd International Conference on Risk Management, Assessment and Mitigation (RIMA '13) ISSN:2227-460X, pp. 132-137. Brasov, Romania, June 1-3, 2013. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.13. **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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84879699802&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=1&citeCnt=0&searchTerm=>
- B.14. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.15. 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 (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.16. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.17. **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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.18. 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. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.19. **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. 1, ISBN: 978-960-474-323-0 pp. 72-77, 6 pg, Chania, Greece, 27-29 August, 2013. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.20. 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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84902085449&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=2&citeCnt=11&searchTerm=>
- B.21. **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.

Candidat: Conf. dr. Ing. Tonț Gabriela

- June 13-15, 2012.
- B.22. **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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84866244711&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=4&citeCnt=0&searchTerm=>
- B.23. 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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84869771769&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=3&citeCnt=2&searchTerm=>
<http://ieeexplore.ieee.org/abstract/document/6329631/>
- B.24. **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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959744433&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=7&citeCnt=0&searchTerm=>
- B.25. 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), pp. 228 – 233, ISBN: 978-1-4577-1698-0, Zhengzhou, 2011.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80053578251&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=5&citeCnt=1&searchTerm=>
- B.26. **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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80053578251&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=5&citeCnt=1&searchTerm=>
- B.27. **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.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-78650489156&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=8&citeCnt=0&searchTerm=>
- B.28. **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 Gytrators”, Journal of Electrical and Electronic, Engineering, vol. 3 nr. 2, ISSN 1844-6035, pp. 231-236, Oradea, 2010.

[https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80955143888&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=9&citeCnt=0&searchTerm=)

[80955143888&origin=resultslist&sort=plf-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80955143888&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=9&citeCnt=0&searchTerm=)

[f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80955143888&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=9&citeCnt=0&searchTerm=)

[ID%2825628741300%29&relpos=9&citeCnt=0&searchTerm=](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80955143888&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=9&citeCnt=0&searchTerm=)

- B.29. **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.

[https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-77950603939&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=14&citeCnt=6&searchTerm=)

[77950603939&origin=resultslist&sort=plf-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-77950603939&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=14&citeCnt=6&searchTerm=)

[f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-77950603939&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=14&citeCnt=6&searchTerm=)

[ID%2825628741300%29&relpos=14&citeCnt=6&searchTerm=](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-77950603939&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=14&citeCnt=6&searchTerm=)

- B.30. 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.

[https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959868031&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=11&citeCnt=0&searchTerm=)

[79959868031&origin=resultslist&sort=plf-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959868031&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=11&citeCnt=0&searchTerm=)

[f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959868031&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=11&citeCnt=0&searchTerm=)

[ID%2825628741300%29&relpos=11&citeCnt=0&searchTerm=](https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959868031&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=11&citeCnt=0&searchTerm=)

- B.31. **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. BDI Indexed (Engineering Village, ACM, Compendex, INSPEC, Google Scholar).

<http://dl.acm.org/citation.cfm?id=1949136>

- B.32. Tonț, D. G., Vlădăreanu, L., Munteanu, R. A., **Tonț Gabriela**, “The Implementation of a Unidirectional Topology Using Hall. Gytrator”, 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. Engineering Village, ACM, Compendex, INSPEC, Google Scholar).

<http://dl.acm.org/citation.cfm?id=1949134>

- B.33. 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. Engineering Village, ACM, Compendex, INSPEC, Google Scholar).

<http://dl.acm.org/citation.cfm?id=1949006.1949138&coll=DL&dl=GUIDE&prelayout=tabs>

- B.34. 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. Engineering Village, ACM, Compendex, INSPEC, Google Scholar).

<http://dl.acm.org/citation.cfm?id=1949133>

- B.35. Vlădăreanu, L., Munteanu, R. A., Tonț, D. G., **Tonț Gabriela**, “Antireciprocal Two-ports based on Equivalent Circuits”, the 11th International Conference on Mathematical Methods and Computational

- Techniques in Electrical Engineering (MMACTEE '09), Vol. II, ISBN: 978-960-474-124-3, pp 731-736, Vouliagmeni, Athens, Greece, 28-30 September, 2009. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.36. **Tonț Gabriela**, Vlădăreanu, L., Munteanu, R. A., Tonț, D. G., “*Aspects of Reliability Implementation of Photovoltaic Systems*”, EMES 2009, Journal of Electrical and Electronic Engineering vol. 2 nr. 2, ISSN 1844-6035, pp. 100-104, Oradea, 2009.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80855147985&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=17&citeCnt=0&searchTerm=>
- B.37. **Tonț Gabriela**, Vlădăreanu, L., Munteanu, R. A., Tonț, D. G., “About implementing an inductor by the means of gyrators”, EMES 2009, Journal of Electrical and Electronic Engineering vol. 2 nr. 1, ISSN 1844-6035, pp. 103-109, Oradea, 2009.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959290615&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=18&citeCnt=0&searchTerm=>
- B.38. Vlădăreanu, L., **Tonț Gabriela**, Munteanu, R. A., Podea Z., Popovici D., “*Modular Structures in the Distributed and Decentralized Architecture*”, The 2009 International Conference on Parallel and Distributed Processing Techniques and Applications, ISBN: 1-60132-121-X, 1-60132-122-8 (1-60132-123-6), Nevada, USA, CSREA Press, pp. 42-47, Las Vegas, Nevada, SUA, July 13-16, 2009.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-67849133505&origin=resultslist&sort=plf-f&src=s&sid=B9F15C6626853BE4F29BAE449F49F40F.wsnAw8kcdt7IPYLO0V48gA%3a660&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=19&citeCnt=1&searchTerm=>
- B.39. Tonț, D. G., Vlădăreanu, L., **Tonț Gabriela**, “*A Quadripolar Parameter- Based Approach of Ideal Gyrators structured on Operational Amplifier Circuits*”, WSEAS Transaction on Systems, Issue 5, Vol. 8, ISSN: 1109-2777, pp. 557-567, 2009. <https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-67849133505&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a1730&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2824438542500%29&relpos=13&citeCnt=1&searchTerm=>
- B.40. Tonț, D. G., Vlădăreanu, L., **Tonț Gabriela**, “*Onsager-Casimir Antireciprocity Relations for the Hall Gyrators Analysis*”, WSEAS Transaction on Systems, Issue 5, Vol. 8, 2009, ISSN: 1109-2777, pp. 568-577, 2009
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-67849086998&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt7IPYLO0V48gA%3a80&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2825628741300%29&relpos=19&citeCnt=1&searchTerm=>
- B.41. **Tonț Gabriela**, Iliescu M., Tonț, D. G. “*A Methodology of Availability Assessment for Complex Manufacturing Systems*”, WSEAS Transaction on Systems, Issue 6, Vol. 7, 2008, ISSN: 1109- pp. 822-831, 10 pg., 2008. Engineering Village, ACM, Compendex, INSPEC, Google Scholar.
<http://dl.acm.org/citation.cfm?id=1456046>
- B.42. Iliescu M., **Tonț Gabriela**, “*Innovative Device for Measuring Forces Specific to Various Manufacturing Processes*”, WSEAS Transaction on Systems, Issue 6, Vol. 6, ISSN: 1109-2777, pp. 802-811, 2008. BDI Indexed (Engineering Village, Compendex, INSPEC, Google Scholar).
- B.43. **Tonț Gabriela**, Tonț, D. G., “*A Multilevel Approach of Reliability Optimization in Complex*

Candidat: Conf. dr. Ing. Tonț Gabriela

- Systems*", WSEAS Transaction on Systems, Issue 6, Vol. 7, 2008, ISSN: 1109-2777, pp. 833-842, 2008.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-54949155139&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcdt71PYL00V48gA%3a1730&ot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2824438542500%29&relpos=15&citeCnt=1&searchTerm=>
- B.44. **Tonț Gabriela**, "*Markov blanket approach for state estimation and robot behaviour selection in heterogeneous dynamic environments*", SISOM and Session of the Commission of Acoustics, Bucharest 25-26 May, pp. 321-326, 10 pg., 2011 BDI Indexed (Google Scholar).
- B.45. 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 BDI Indexed (Google Scholar).
- B.46. Tonț, D. G., **Tonț Gabriela**, "*Power Balance for Gyrtator Based on Two Controlled Source Equivalent Circuit*", *Rev. ACTA ELECTROTEHNICA* Vol., nr. 1, ISSN 1224-2497, pp. 20-23, Cluj-Napoca, 2009. BDI Indexed (Google Scholar).
- B.47. **Tonț Gabriela**, Tonț, D. G., "*Driving time requirements in real-time systems by means of Temporal Petri Nets*", *Optimum Q*, vol. XX, nr. 1 2009, pp. 57-61, ISSN 1220-6598, București, 2009 BDI Indexed (Google Scholar).
<http://optimumq.frpc.ro/About>,
[http://optimumq.frpc.ro/\(1\)Arhiva/\(7\)Anul-2010/\(139\)nr-1-2010/\(147\)Driving-time-requirements-in-real-time-systems-by-means-of-Temporal-Petri-Nets](http://optimumq.frpc.ro/(1)Arhiva/(7)Anul-2010/(139)nr-1-2010/(147)Driving-time-requirements-in-real-time-systems-by-means-of-Temporal-Petri-Nets)
- B.48. Tonț, D. G., **Tonț Gabriela**, "*The unidirectionality condition in the theory of general two-port*", *Optimum Q*, vol. XXI, nr. 3 2010, pp. 46-53, ISSN 1220-6598, București, 2010 BDI Indexed (Google Scholar).
<http://optimumq.frpc.ro/About>
[http://optimumq.frpc.ro/\(1\)Arhiva/\(7\)Anul-2010/\(121\)nr-3-2010/\(154\)The-unidirectionality-condition-in-the-theory-of-general-two-port](http://optimumq.frpc.ro/(1)Arhiva/(7)Anul-2010/(121)nr-3-2010/(154)The-unidirectionality-condition-in-the-theory-of-general-two-port)
- B.49. **Tonț Gabriela**, Tonț, D. G., "*Analysis of antireciprocal two-ports based on the Π -type circuit*", *Optimum Q*, vol. XXII, nr. 1 2011, pp. 25-30, 6 pg. ISSN 1220-6598, 2011 BDI Indexed (Google Scholar).
<http://optimumq.frpc.ro/About>
[http://optimumq.frpc.ro/\(1\)Arhiva/\(8\)Anul-2011/\(24\)nr-1-2011/\(38\)Analysis-of-antireciprocal-two-ports-based-on-the-type-circuit](http://optimumq.frpc.ro/(1)Arhiva/(8)Anul-2011/(24)nr-1-2011/(38)Analysis-of-antireciprocal-two-ports-based-on-the-type-circuit)
- B.50. Tonț, D. G., **Tonț Gabriela**, "*About the Antireciprocal Condition in Case of Hall-Plates of Different Geometry*", *Rev. ACTA ELECTROTEHNICA*, Vol., nr. 1, Technical University Cluj-Napoca, ISSN 1224-2497, vol. 49, no. 4, pp 463-467., 5 pg., Cluj-Napoca, 2008 BDI Indexed (Google Scholar).
- B.51. Tonț, D. G., **Tonț Gabriela**, "*Fault and Failure Detection in Nuclear Power Plant*", *Rev. ACTA ELECTROTEHNICA* vol. 46, nr. 4, ISSN 1841-3323, pp. 168-172, 5 pg., Cluj-Napoca, 2005 BDI Indexed (Google Scholar).
 Tonț, D. G., **Tonț Gabriela**, "*Assessment of quadripolar parameter of gyrators*", *Optimum Q*, ISSN 1220-6598 vol. 19, nr. 3-4, pg. 59-66, pg. 6, București, 2008 BDI Indexed (Google Scholar).
<http://optimumq.frpc.ro/About>
[http://optimumq.frpc.ro/\(1\)Arhiva/\(5\)Anul-2008/\(17\)nr-3-4-2008/\(172\)Assessment-of-quadripolar-parameter-of-gyrators](http://optimumq.frpc.ro/(1)Arhiva/(5)Anul-2008/(17)nr-3-4-2008/(172)Assessment-of-quadripolar-parameter-of-gyrators)
- B.52. Tonț, D. G., **Tonț Gabriela**, "*Hall gyrators as elements in energy processing systems*", *Optimum Q*, ISSN 1220-6598 vol. 19, nr. 3-4, pg. 52-58, pg. 6, București, 2008. BDI Indexed (Google Scholar).
<http://optimumq.frpc.ro/About>
[http://optimumq.frpc.ro/\(1\)Arhiva/\(5\)Anul-2008/\(17\)nr-3-4-2008/\(171\)Hall-gyrators-aselements-in](http://optimumq.frpc.ro/(1)Arhiva/(5)Anul-2008/(17)nr-3-4-2008/(171)Hall-gyrators-aselements-in)

energy-processing-systems

- B.53. Tonț, D. G., **Tonț Gabriela**, “*Considerații privind realizarea circuitelor cuadripolare unidirectionale cu ajutorul giratoarelor*”, Optimum Q, vol. XIX, nr. 2, ISSN 1220-6598, pp. 37-43, 7 pg., București, 2008 BDI Indexed (Google Scholar).
<http://optimumq.frpc.ro/About>
[http://optimumq.frpc.ro/\(1\)Arhiva/\(5\)Anul-2008/\(92\)nr-2-2008/\(98\)Consideratii-privind-realizarea-circuitelor-cuadripolare-unidirectionale-cu-ajutorul-giratoarelor](http://optimumq.frpc.ro/(1)Arhiva/(5)Anul-2008/(92)nr-2-2008/(98)Consideratii-privind-realizarea-circuitelor-cuadripolare-unidirectionale-cu-ajutorul-giratoarelor)
- B.54. **Tonț Gabriela**, Tonț, D. G., “*A Method of Accelerated Life Testing for Multidimensional Process*”, Journal of Electrical and Electronics Engineering, Oradea, ISSN 1844-6035, pp. 148-153, 6pg, 2008.
<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79956266065&origin=resultslist&sort=plf-f&src=s&sid=13F993609D8AC394D8EAC4C4D1284174.wsnAw8kcd17IPYLO0V48gA%3a1730&so=autdocs&sdt=autdocs&sl=18&s=AU-ID%2824438542500%29&relpos=14&citeCnt=0&searchTerm=>
- B.55. Degeratu Sonia, Bizdoaca, N.,G., **Tont Gabriela**, Degeratu V. *Considérations sur le dimensionnement des plaques composites stratifiées a matrice polymère*. Annals of the University of Craiova, Seria Inginerie Electrica, vol 1, No 31, October, 2007, pp. 435-439, ISSN 1842-4805 BDI Indexed (Google Scholar).
- B.56. Degeratu Sonia, Rotaru P., Tont D., Bizdoaca N. G., Manolea Gh., **Tont Gabriela**, *Evaluation of the Characteristics of a Shape Memory Alloy Spring Actuator*, Journal of Computer Science and Control Systems, Vol. 2, No. 2, 2009, Romania, ISSN-1844-6043, pp. 88-92. 2009. BDI Indexed (Google Scholar).
- B.57. D. G. Tonț, **Tonț Gabriela**, Degeratu Sonia, “*About the Antireciprocal Condition in Case of Hall-Plates of Different Geometry*”, Rev. Acta Electrotehnica Vol., nr.1, Technical University Cluj-Napoca, ISSN 1224-2497, vol.49, no.4, pp463-467., 5 pg., Cluj-Napoca, 2008. BDI Indexed (Google Scholar).

C). Article in extenso in Reviste/Proceedings nationale/internationale neindexate

- N.1. **Gabriela Tonț** “*Markov blanket approach for state estimation and robot behaviour selection in heterogeneous dynamic environments*”, SISOM and Session of the Commission of Acoustics, Bucharest 25-26 May, pp. 321-326, 10 pg., 2011.
- 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.
- N.6. Tonț, D. G., **Tonț Gabriela**, Degeratu, S., “*Validation of Analytical Results by PC-Pspice Simulation and Experimentally for a Gyrator Operational Amplifier*”, 11-th International Conference on Microwave and High Frequency Heating, 2007, ISBN 978-973-759-333-7, pp., 83-87, 4 pg., Oradea, 2007.
- N.7. Degeratu, S., Bizdoaca, N.G., **Tonț Gabriela**, Degeratu V., “*Considérations sur le dimensionnement des plaques composites stratifiées a matrice polymère*”, 6th International Conference on

- Electromechanical and Power Systems, Chisinau, Rep. Moldova, October 4-6, 2007, Annals of the University of Craiova, vol I, No 31, 2007, ISSN 1842-4805, pp. 435-439, 5pg, Chisinau, 2007.
- N.8. **Tonț Gabriela**, D. G. Tonț, D. Popovici, O. Popovici, "Reliability Indicators Estimation of Coolants Transport system from Nuclear Power Plants", Analele Universității din Oradea, EMES 2007, ISSN- 1223-2106, pp. 137-141, 5 pg., Oradea, 2007.
- N.9. D. Popovici, O. Popovici **Tonț Gabriela**, D. G. Tonț, M. Bara "The Phenomena of Burning and Agglutination of Ceramics Using the Energy of Microwave" to 2.45 GHz, EMES 2007, ISSN- 1223-2106, pp. 117-120, 4 pg., Oradea, 2007.
- N.10. **Tonț Gabriela**, D. G. Tonț, "A Simulation Method for Risk Assessment", Analele Universității din Oradea, EMES 2007, ISSN- 1223-2106, pp. 165-169, 5 pg., Oradea 2007.
- N.11. **Tonț Gabriela**, Tonț, D.G., D. Popovici, O. Popovici, "Reliability Indicators Estimation of Coolants Transport system from Nuclear Power Plants", Analele Universității din Oradea, EMES 2007, ISSN- 1223-2106, pp. 137-141, 5 pg., Oradea, 2007.
- N.12. **Tonț Gabriela**, Tonț, D.G., "A Simulation Method for Risk Assessment", Analele Universității din Oradea, EMES 2007, ISSN- 1223-2106, pp. 165-169, 5 pg., Oradea 2007.
- N.13. **Tonț Gabriela**, Tonț, D. G., "A Simulation Method for Risk Assessment", Analele Universității din Oradea, EMES 2007, ISSN- 1223-2106, pp. 165-169, 5 pg., Oradea 2007.
- N.14. **Tonț Gabriela**, Tonț, D. G., O. Popovici "Optimized Preventive Maintenance of Coolants Transport System from Nuclear Power Plants", Analele Universității din Oradea, fascicula Electrotehnică, secțiunea Inginerie Electrică, ISSN- 1841-7221, pp. 162-164, 3 pg., 2006.
- N.15. D. G. Tonț, **Tonț Gabriela**, "Comportarea traductorului Hall ca inverter de impedanță, Partea întâi", Bul. sesiunii de comunicări științifice al Academiei Henri Coandă Brașov, ISSN1453-0139, pp. 127-133, 6 pg., 2006.
- N.16. D. G. Tonț, **Tonț Gabriela**, "Comportarea traductorului Hall ca inverter de impedanță, Partea a doua", Bul. sesiunii de comunicări științifice al Academiei Henri Coandă Brașov, ISSN1453-0139, pp. 134-139, 6 pg., 2006.
- N.17. **Tonț Gabriela**, D. G. Tonț, O. Popovici, "Optimized Preventive Maintenance of Coolants Transport System from Nuclear Power Plants", Analele Universității din Oradea, fascicula Electrotehnică, secțiunea Inginerie Electrică, ISSN- 1841-7221, pp. 162-164, 3 pg., 2006.
- N.18. D. Popovici, O. Popovici, **Tonț Gabriela**, "The Heating Process in a Microwave Oven for Ceramic Materials", Analele Universității din Oradea, fascicula Electrotehnică, secțiunea Inginerie Electrică, Oradea, ISSN- 1841-7221, pp. 119-121, 3 pg., 2006.

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 SSC/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. proiect: 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 ingineresti - DidaTec" POSDRU/87/1.3/S/60891, • participant participant selectat prin competiție.

Candidat: Conf. dr. Ing. Tonț Gabriela

- 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., **Tonț 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 Yü, 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 (Mmactec '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. **Tonț 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,

Candidat: Conf. dr. Ing. Tonț Gabriela

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, CROATIA. 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 2011 for the patent: *Method and Device for Walking Robot Dynamic Control*, Warsaw, Poland 2011.
- M.13. Medal and international Prize of The 10 – the Moscow International Salon of Innovations and Investments, September 2010, Moscow, Russia, for the patent: *Method and Device for Walking Robot Dynamic Control*.

7.01.2017

Semnătura

Candidat: Conf. dr. ing. Tonî Gabriela