Nume Prenume: **Tonț Gabriela**
Gradul didactic: **prof.univ.dr.ing.habil.**

Instituția unde este titular **: Universitatea din Oradea**

Facultatea: **de Inginerie Electrică şi Tehnologia Informaţiei**

Departamentul: **de Ingineria Sistemelor Automate și Management**

L I S T A
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A.1.1. – 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.

A.1.2. – Teza de doctorat

Tonț Gabriela, − *Cercetări privind fiabilitatea sistemelor de transport a agenţilor de răcire şi a unor echipamente din centralele nuclearo-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.

B – Cărţi şi capitole în cărţi pentru întreaga activitate

B.1. **Tonţ Gabriela,** „*Managementul logisticii*, *note de curs*", curs în format electronic, 2026.
B.2. **Tonţ Gabriela,** „*Managementul logisticii*, *laborator*", laborator în format electronic, 2024.
B.3. **Tonţ Gabriela**, „*Interfețe de proces, curs pentru uzul studenților*", curs în format electronic, 2022
B.4. **Tonţ Gabriela**, „*Marketing*", note de curs, format electronic 2026
B.5. **Tonţ Gabriela** „*Ingineria calității sistemelor automate*", curs format electronic, 2025.
B.6. **Tonţ Gabriela** „*Ingineria calității*", curs format electronic, 2025.
B.7. **Tonţ Gabriela** „*Management strategic*", curs format electronic, 2024.
B.8. **Tonţ Gabriela,** „*Fiabilitate, note de curs*", curs în format electronic, 2021.

B.9. **Gabriela Tonţ,** D.G. Tonţ, „*Calitate şi Fiabilitate*", note de curs, 2021.
B.10. **T**onţ D. G., **Tonţ Gabriela**,"*Analiza unitară şi integrarea unor circuite cuadripolare antireciproce in sisteme multisenzor*", Editura Universităţii din Oradea, ISBN 978-606-10-1498-9, 2015.
B.11. **Tonţ Gabriela,** "*Asigurarea calităţi în sistemele electrice*", laborator, Tipografia Universităţii din Oradea, 2015.
B.12. **Tonţ Gabriela**, Munteanu R. A., Tonţ D. G., "*Sisteme de achiziţie şi senzori*", vol. I, ISBN 978-973-620-593-7, Ed. Eurobit Timişoara, 2010.
B.13. Tonţ, D. G., **Tonţ Gabriela,** "*Compatibilitate electromagnetică*", Tipografia Universităţii din Oradea, 2010.
B.14. Tonţ, D. G., **Tonţ Gabriela,** "*Traductoare şi senzori*", Tipografia Universităţii din Oradea, 2009.
B.15. **Tonţ Gabriela**, Tonţ D. G., Degeratu S., "*Traductoare pentru echipamente şi sisteme de măsurare*", Ed. Eurobit Timişoara, ISBN 978-973-620-352-7, 207, 2008.
B.16. Tonţ, D. G., **Tonţ Gabriela,** "*Echipamente de măsură şi control*", Tipografia Universităţii din Oradea, 2008.
B.17. Tonţ D. G., **Tonţ Gabriela**, "*Echipamente şi sisteme de măsurare*", Vol. II., ISBN 973-620-046-5, Eurobit Timişoara octombrie, 2005.
B.18. **Tonţ Gabriela**, D. G. Tonţ, "Calitatea în electrotehnică", curs, Litografia Universităţii din Oradea, 2004.
B.19. Tonţ, D. G. **Gabriela Tonţ**, "*Echipamente şi sisteme de măsurare*", Vol. I, ISBN 973-620-014-0, Eurobit Timişoara, 2003.
B.20. Munteanu, R. A, **Tonţ Gabriela,** Holonec, R. "*Traductoare pentru sisteme de măsurare*", ISBN 973-9357-31-8, Ed. Mediamira Cluj Napoca, 2003
B.21. **Tonţ Gabriela,** Tonţ, D. G., "*Fiabilitate*", laborator, Litografia Universităţii din Oradea, 2003.
B.22. **Tonţ Gabriela** "*Fiabilitatea sistemelor*", curs, Litografia Universităţii din Oradea, 2002.

C – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

C.1. Bungau T., Bungau C. C., **Tont, G.,** *From University Sustainability Action to Evidence: The Institutional Action–Data–Evidence Framework and an Illustrative University of Oradea Case*, Sustainability 2026, vol.18, issue 20, 48pg. 10494, IF 4.1.
https://www.mdpi.com/2071-1050/18/20/10494
C.2. Pop V.M., **Tont, G.,** Flonta, F. V., Flore M. N., *Agentic AI in STEM Education: Enhancing Cognitive Flexibility and Workforce* Readiness accepted for publication in the special issue of BRAIN – *Broad Research in Artificial Intelligence and Neuroscience,* Volume 16 (2025), scheduled for April (Special Issue), v. 16, n. 1 Sup1, p. 239-249, apr. 2025. ISSN 2067-3957 DOI:http://dx.doi.org/10.70594/brain/16.S1/20. IF 0.8.
https://brain.edusoft.ro/index.php/brain/article/view/1770
C.3. Flonta, F. V., **Tont, G**., M.N. Flore, *Cyber-Vulnerability Management in Enterprise Digital Environments*, SIM 2025: 18th International Symposium in Management, Timişoara, 2025.
PROGRAM SIM2025_final.pdf
C.4. Flonta, F. V., **Tont, G**., M.N. Flore, Artificial Intelligence and The Downfall of Endpoint Technical Support, Review of Management and Economic Engineering, 24(3), 159–169. https://doi.org/10.71235/rmee.209, Cluj-Napoca, 2025.
ARTIFICIAL INTELLIGENCE AND THE DOWNFALL OF ENDPOINT TECHNICAL SUPPORT | Review of Management and Economic Engineering
C.5. Flonta, F. V., **Tont, G.,** Pop V.M., *Elevate Corporate Data Oversight: A Unified Data Governance Solution for Companies*, The 18th International Conference Interdisciplinarity in

Engineering, Inter-Eng 2024 Conference Proceedings, Volume 2, eBook ISBN978-3-031-81378-ConferenceINTER-ENG 2024 Interdisciplinarity in Engineering, DOI: 10.1007/978-3-031-81378-8_17, pp.187-203, 16 pg., 3 - 4 October 2024, U.M.F.S.T. Târgu Mureş, Romania.
https://link.springer.com/chapter/10.1007/978-3-031-81378-8_17

C.6. Pop, M. V., Tonț, G., Șandor A., *Innovation Management Opportunities of Artificial Intelligence Social Enterprises in Romania*, 17-th International Conference on Engineering of Modern Electric Systems (EMES), ISBN: 978-1-6654-4995-3, 4 pg., JUNE 09-10, 2023, Oradea, Romania.

C.7. Pavel Otrisal, Bungau, C., Vladimír Obsel, Zdeněk Melicharik, **Tonţ Gabriela,** *Selected Respiratory Protective Devices: Respirators and Significance of Some Markings*, Special Issue COVID-19: Defense Strategies and Technologies,, Sustainability 2021, 13(9),88; https://doi.org/10.3390/su13094988, Journal Impact Factor 3.251, articol Q2.
Sustainability | Free Full-Text | Selected Respiratory Protective Devices: Respirators and Significance of Some Markings | HTML (mdpi.com)

C.8. Șandor, A., **Tonţ Gabriela**, Simion E., *A Mathematical Model for Risk Assessment of Social Engineering Attacks*, TECHNOLOGY, EDUCATION, MANAGEMENT, INFORMATICS, Journal. Volume 11, Issue 1, Pages 334-338, ISSN 2217-8309, DOI: 10.18421/TEM111-42, February 2022.
TEM JOURNAL - Technology, Education, Management, Informatics

C.9. Costea, C. R., Silaghi, H., Kovendi Z.,**Tont, G**., Procedural and Software Development of a Jury-based Stability Analysis Method for Control Systems, 16th International Conference on Engineering of Modern Electric Systems (EMES), Virtual Conference, ISBN: 978-1-6654-4995-3, 4 pg., JUNE 10-11, 2021, Oradea, Romania.

C.10. Șandor, A., Tonț Gabriela, Knowledge Management in Military Organizations. A SECI Model Perspective, International Conference Knowledge-Based Organization, Vol.XXVII, Sibiu 2021,
https://reference-global.com/article/10.2478/kbo-2021-0036

C.11. Șandor, A., **Tonţ Gabriela**, Considerations *Regarding the Inclusion of Cybersecurity in Knowledge Management, International Conference Knowledge-Based Organization*, Vol.XXVII, Sibiu, 2021.

C.12. **Tonţ Gabriela**, Silaghi M. H., Gordan, I.M., Tonț, D.G., "*A model-based approach for human reliability analysis in the decision management of complex systems*", Journal of Electrical and Electronics Engineering, vol.11, nr.1, pp. 43-46, 4pg., May 2018.

C.13. Șandor, A., **Tonţ Gabriela**, *Considerations Regarding the Inclusion of Cybersecurity in Knowledge Management*, International Conference Knowledge-Based Organization, Vol.XXVII, Sibiu 2021

C.14. Șandor, A., **Tonţ Gabriela**, Knowledge Management in Military Organizations. A SECI Model Perspective, International Conference Knowledge-Based Organization, Vol.XXVII, Sibiu 2021

C.15. **Tonţ Gabriela,** Tonț, D. G., Costea, C. R., Kovendi, Z. *"Multi-Stage Fuzzy Approach of Stochastic Events Impact on Dependable Systems",* 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, June, 2019, Accession Number: WOS:000503434500030,

C.16. http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C36nZ3rvLKGPTVz9K9v&page=1&doc=2

C.17. Costea, C. R., Silaghi H., Kovendi, Z., Gabriela Tont "Time Determination of Instantaneous Power Flow from Three-phase Electrical Circuits in Non-symmetric Situations by Using ACE2000", 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, June, 2019, Accession Number: WOS:000503434500013,

C.18. http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C36nZ3rvLKGPTVz9K9v&page=1&doc=1

C.19. **Tonţ Gabriela**, Gordan, .I.M., Spoială, V., Barabas, T., Hathazi, F. I., Tonţ, D.G., Munteanu, R. A., "An explicit hierarchical dynamic reliability approach for heterogeneous systems", 2017 14th International Conference on Engineering of Modern Electric Systems (EMES), Electronic ISBN: 978-1-5090-6073-3, USB ISBN: 978-1-5090-6072-6, Print on Demand (PoD) ISBN: 978-1-5090-6074-0, pp. 188 – 191, 4 pg., Oradea, June, 2017.

D). Proiecte

D.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, Valoare: 77.000 euro, **director de proiect**.

D.2. *Evaluarea fiabilităţii si a uzurii utilajelor şi echipamentelor de uscare, prelucrare şi ambalare a nucilor implementarea unui program de men-tenanţă proactivă prin mijloacele fiabilităţii dinamice,* Valoarea 30.000 lei, Acronim: WEAR-ED, **director de proiect**.

D.3. *Sustainable use of geothermal energy in the Săcueni-Létavértes area*, Project code: HURO-0801-006, 2009 – 2011, value: 120 000 euro. Member;

D.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;

D.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;

D.6. *"Şcoala universitară de formare iniţială şi continuă a personalului didactic şi a trainerilor din domeniul specializărilor tehnice şi inginereşti - DidaTec"* POSDRU*/87/1.3/S/60891,* • participant participant selectat prin competiție;

D.7. *Sistem de automatizări complexe modulare cu dispecerizare la distanţă,* contract 127-2007, Programul Naţional PN II INOVARE, coordonator program AMCSIT, valoare 2.763.000 lei, responsabil analize fiabilitate;

D.8. *Sistem automat cu control în timp real configurabil şi modular*, contract 011-2007, PN II INOVARE, coordonator program AMCSIT, colaborator;

D.9. CNFIS-FDI-2022-0058_Dezvoltarea capacităţilor de cercetare şi inovare multidisciplionară utilizând tehnologii emergente_CIMTE, 2022-2024, membru;

D.10. Sistem interactiv de imagistica medicala pentru depistarea si masurarea nodulilor pulmonari, inclusiv a zonelor afectate de Covid, 2021.

E). Brevete de invenţie

Brevet de invenţie international

E.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 invenţie naţionale

E.2. **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.

E.3. **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.,

E.4. **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 ştiinţifice

F.1. **Tonţ Gabriela,** Plenary Lecture, "*The Operating Risk Assessment for Dependable Systems***",** The Applied Computing Conference 2009 (Acc '09) And The 11th International Conference On Mathema**tical** 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
F.2. **Tonţ 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
F.3. **Tonţ 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.
F.4. **Tonţ 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.
F.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). Membru în comitetele ştiinţifice ale revistelor şi manifestărilor ştiinţifice, cotate BDI
G.1. 2021 Membru al Editorial board al International Journal of Robotics and Automation Technology – EBM – Zeal Press
International Journal of Robotics and Automation Technology – EBM – Zeal Press
G.2. 2019 4th International Conference on Intelligent Information Processing (ICIIP 2019) Nanyang Institute of Technology (NYIST),
http://www.iciip.hk/conference-Organizers.html
G.3. The 20th International Conference "Scientific Research and Education in the Air Force", AFASES "Henri Coanda" Air Force Academy Brasov, 2018
a. http://www.afahc.ro/ro/afases/2018/SecondCall-AFASES2018.pdf
G.4. 4th International Conference on Mathematical Models for Engineering Science (MMES '13), MMES Session: Swing-By Trajectories and Maneuvers,
G.5. 16th International Conference on Automatic Control, Modelling & Simulation (ACMOS '14)
G.6. 7th International Conference on Manufacturing Engineering, Quality and Production ACMOS Session: Systems Theory and Automatic Control
G.7. 12th International Conference on Environment, Ecosystems and Development (EED '14)
G.8. 5th International Conference on Mathematical Models for Engineering Science (MMES '14) Session: Mathematical Models for Engineering Science
G.9. 16th International Conference on Automatic Control, Modelling & Simulation (ACMOS '14) OS Session: Systems Theory and Automatic Control
G.10. 7-th International Conference on Applied Economics and Business, (AEBD '15), Budapest, 2015.
G.11. 8-th European Computing Confrence, TOTAL '15: Applications of Image Processing, Budapest, 2015.

G.12. 7-th International Conference on Sensors and signals, SENSIG '15: Applications of Sensors in Engineering

H. Premii si medalii

H.1. Diploma pentru performanţă în cercetare, Universitatea din Oradea, 2017.

H.2. 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.

H.3. 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.

H.4. Diplôme du Salon international des Inventions Genève, pour *Procédé et côntrole dynamique de la marche de robots*, Genève 2010.

H.5. Diplôme du Salon international des Inventions Genève, pour Methode et dispositif de fonctionnement et de côntrole de robots Genève 2010.

H.6. Special Prize for the Innovative Invention *Method and Device for Driving Mobil Inertial Robot,* Isfahan University of Technology, Robotic Center, Republic of Iran, 2010.

H.7. 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.

H.8. 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.

H.9. 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.

H.10. Diplôme du Salon international des Inventions Genève, pour l'invention: Methode et dispositif de fonctionnement et de côntrole de robots mobiles d'inertie, 2011.

H.11. 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.

H.12. Gold Medal of the 9th International Exhibition of Inventions - ARCA 2011, Zagreb, CROAŢIA, 13-15 October 2011, for the patent: Method and device of propulsion without any source of self-energy for mobile systems, 2011.

H.13. 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.

H.14. 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*.

I. **Membru in academii, organizaţii, asociaţii profesionale de prestigiu, naţionale si internaţionale, apartenenta la organizaţii din domeniu educaţiei si cercetării**

I.1. American Association for Science and Technology (AASCIT)

I.2. International Engineering and Technology Institute, Hong-Kong

Data
28.10.2026

Prof.univ.dr.ing. habil. Tonţ Gabriela