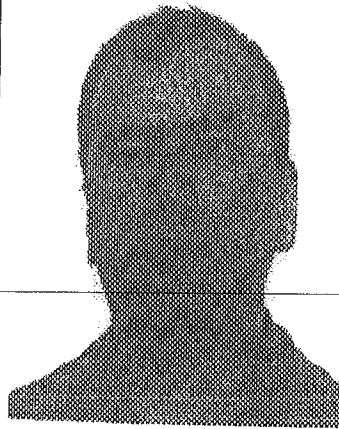


**Curriculum vitae
Europass**



Informații personale

Nume / Prenume **Enăchescu, Călin**
 Adresă(e)
 Telefon(oane)
 Fax(uri)
 E-mail(uri)
 Naționalitate) română
 Data nașterii
 Sex Masculin

Experiența profesională

Perioada	2009 - prezent
Funcția sau postul ocupat	Profesor Universitar, Prorector Didactic al Universității „Petru Maior” Târgu Mureș
Activități și responsabilități principale	Prorectorul didactic are în subordine decanatele facultăților prin Prodecanii didactici, referenții de specialitate, Directorul Departamentului IFRD, Directorul Departamentului PPD, biblioteca, Șef informatizare și referenții de specialitate din Unitatea de Management Universitar.
Numele și adresa angajatorului	Universitatea „Petru Maior” Târgu Mureș, Facultatea de Științe și Litere,, str. N.Iorga, Nr. 1, Târgu Mureș
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	2004- 2009
Funcția sau postul ocupat	Conferențiar Universitar, Prorector Didactic al Universității „Petru Maior” Târgu Mureș
Activități și responsabilități principale	Prorectorul didactic are în subordine decanatele facultăților prin Prodecanii didactici, referenții de specialitate, Directorul Departamentului IFRD, Directorul Departamentului PPD, biblioteca, Șef informatizare și referenții de specialitate din Unitatea de Management Universitar.
Numele și adresa angajatorului	Universitatea „Petru Maior” Târgu Mureș, Facultatea de Științe și Litere,, str. N.Iorga, Nr. 1, Târgu Mureș
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	1998-2004
Funcția sau postul ocupat	Conferențiar Universitar, Decan al Facultății de Științe și Litere

Activități și responsabilități principale	Reprezintă facultatea în relațiile cu alte facultăți din Universitate sau din afara Universității; Elaborează și propune Regulamentul de funcționare a facultății; Coordonează activitatea de punere în aplicare a hotărârilor Consiliului facultății și biroului acestuia;
Numele și adresa angajatorului	Universitatea „Petru Maior” Târgu Mureș, Facultatea de Științe și Litere, str. N.Iorga, Nr. 1, Târgu Mureș
Tipul activității sau sectorul de activitate	Educație, învățământ superior
Perioada	1991-1998
Funcția sau postul ocupat	Lector universitar
Activități și responsabilități principale	Activități didactice
Numele și adresa angajatorului	Universitatea „Petru Maior” Târgu Mureș, Facultatea de Științe și Litere,, str. N.Iorga, Nr. 1, Târgu Mureș
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	1990-1991
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Activități didactice
Numele și adresa angajatorului	Universitatea „Petru Maior” Târgu Mureș, Facultatea de Inginerie, str. N.Iorga, Nr. 1, Târgu Mureș
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	1986-1999
Funcția sau postul ocupat	Programator
Activități și responsabilități principale	Activități programare
Numele și adresa angajatorului	Întreprinderea Electromureș Târgu Mureș
Tipul activității sau sectorul de activitate	Informatică
Perioada	1983-1986
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Activități didactice
Numele și adresa angajatorului	Institutul de Tehnică de Calcul București - stagiu la Întreprinderea Mecanică Bistrița
Tipul activității sau sectorul de activitate	Informatică
Educație și formare	
Perioada	1992-1997
Calificarea / diploma obținută	Doctor în Informatică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „Babeș-Bolyai” Cluj-Napoca
Perioada	1979-1983
Calificarea / diploma obținută	Informatică / Informatician
Disciplinele principale studiate	Sisteme de operare, Programare, Baze de date, Teoria algoritmilor

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea „Babeș-Bolyai” Cluj-Napoca, Facultatea de Științe Economice

Funcții administrative

Februarie, 2004 - prezent

Prorector didactic - Universitatea "Petru Maior" din Târgu Mureș, Târgu Mureș, România.

Martie, 1999 - Martie, 2004

Decan - Universitatea "Petru Maior" din Târgu Mureș, Facultatea de Științe și Litere, Târgu Mureș, România.

Mai, 1998 - Martie, 1999

Prodecan - Universitatea "Petru Maior" din Târgu Mureș, Facultatea de Științe și Litere, Târgu Mureș, România.

Aptitudini și competențe personale

Limba(i) maternă(e)

ROMÂNĂ

Limba(i) străină(e) cunoscută(e)

Engleză, Maghiară, Franceză

Autoevaluare

Nivel european (*)

Limba Engleză

Limba Maghiară

Limba Franceză

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat
C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat
B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și abilități sociale

Abilități de comunicare

Spirit de echipă

Management personal

Adaptare la medii multiculturale

Competențe și aptitudini organizatorice

Analiza, coordonarea, controlul și propunerea spre aprobare a desfășurării procesului de învățământ la învățământul de zi, frecvență redusă, învățământ la distanță, masterat, postuniversitar.

Experiență în managementul proiectelor:

- Director de proiect pentru 5 contracte de tip TEMPUS, CNCSIS, POS-DRU;
- Coordonator local al echipelor de dezvoltare în 6 proiecte de tip CNCSIS, TEMPUS, POS-DRU;
- Participare în calitate de membru în 3 proiecte de cercetare internaționale.
- Director al Academice Oracle pentru Universitatea Petru Maior din Târgu Mureș.
- Director al nodului regional de comunicații date ARNIEC (RoEduNet) Târgu Mureș.

Alte competențe și aptitudini	<p>Autor și coautor a 10 cărți de specialitate; Articole publicate în reviste cotate în ISI Web of Knowledge (ISI Science Citation Index Expanded) sau în volumele unor conferințe cotate în (ISI Conference Proceedings Citation Index): 17 Articole publicate în reviste indexate în baze de date internaționale (MathSciNet, Zentralblatt MATH Database): 8 Articole publicate în reviste internaționale sau în volumele unor manifestări științifice internaționale recunoscute: 25 Articole sau studii în alte publicații: 24 Articole sau studii prezentate la manifestări științifice naționale sau internaționale: 22 Brevete inovații: 6 Cursuri, laboratoare în format electronic (CBT - Computer Based Training Format): 8 Recenzii: 8 Membru în comisii de doctorat: 8 Coordonarea și participarea în proiecte naționale / internaționale: 25</p>
Competențe și aptitudini de utilizare a calculatorului	<p>Propuneri de proiecte și granturi: 6 Organizare de conferințe: 31 Mobilități internaționale: 25</p> <p>Microsoft Office: Word, Excel, Power Point, Access Poștă electronică și internet Limbaje de programare</p>
Permis(e) de conducere	Permis de conducere categoria B
Informații suplimentare	

LISTA DE LUCRĂRI

ENĂCHESCU T. CĂLIN - Dr. din anul 1997, Profesor universitar din anul 2009

1. Teza de doctorat

Denumire: "*Calculul neuronal*"; Specialitatea: Matematică - Analiză numerică (Inteligență artificială); Conducător științific: Profesor dr. Gheorghe COMAN; Universitatea Babeș-Bolyai Cluj-Napoca, Facultatea de Matematică - Informatică; Confirmarea titlului de doctor: Ordinul M.E.N. nr. 5653 / 22.11.1997.

2. Publicații

2.1. Articole publicate în reviste cotate în ISI Web of Science (*ISI Science Citation Index Expanded*), în volumele unor conferințe cotate în (*ISI Conference Proceedings Citation Index*) sau indexate în baze de date internaționale

1. Dumitru C.-D., Gligor A., Enăchescu C., *Renewable Energy Forecast Using Neural Networks*, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tirgu-Mures, Romania, Procedia Technology, Elsevier, Volume xx, Pages: xx-xx, 2015, <http://www.sciencedirect.com/science/article/xxx>, (ISI Conference Proceedings Citation Index). (In curs de aparitie).
2. Bakó L., Enăchescu C., *Challenges in the embedded implementation of optical flow computation*, 2nd CommSci International Conference "Challenges for Sciences and Society in Digital Era", Universitatea "Al. I. Cuza" Iasi, Romania, Iași, December 4th – 5th, Pages: 12-16, ISBN: 978-606-13-2892-5, Editura PIM, 2015..
3. Genge B., Enăchescu C., *Non-Intrusive Historical Assessment of Internet-Facing Services in the Internet of Things*, Proceedings of the 5th Intern. Conf. on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, MACRo 2015, De Gruyter, .Pages: 25-36, ISSN: 2247-0948, 2015. (<http://www.degruyter.com/view/j/macro>).
4. Genge B., Enăchescu C., *Identifying Chains of Software Vulnerabilities: A Passive Non-Intrusive Methodology*, Acta Universitatis Sapientiae, ISSN 2065-5916, pp. 68-77, 2015,, http://www.acta.sapientia.ro/acta-emeng/C6/ActaSap_EMENG_2014_GB-first%20online%20version.pdf. (EBCSO).

5. Bakó L., Morgan F., Hajdú S., Brassai S-T., Moni R., Enăchescu C., *Development and Embedded Implementations of a Hardware-Efficient Optical Flow Detection Method*, Acta Universitatis Sapientiae, ISSN 2065-5916, Electrical and Mechanical Engineering, 6 , 2015 (In curs de aparitie).
6. Bakó L., Hajdu S., Brassai S-T., Morgan F., Enăchescu C., *Embedded implementation of a real-time motion estimation method in video sequences*, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tirgu-Mures, Romania, Procedia Technology, Elsevier, Volume xx, Pages xx-xx, 2015, <http://www.sciencedirect.com/science/article/xxx>, (ISI Conference Proceedings Citation Index). (In curs de aparitie).
7. Bako L., Brassai S-T., Enăchescu C., *Embedded Implementation of a Resource-Efficient Optic Flow Extraction Method*, Proceedings of the 5th Intern. Conf. on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, MACRo 2015, De Gruyter, Pages: 163-175, ISSN: 2247-0948, 2015. (<http://www.degruyter.com/view/j/macro>).
8. Bako L., Enăchescu C., Brassai S-T., *Design and validation of a low resource-cost video data processing method for embedded implementation of optical flow extraction*, Carpathian Control Conference (ICCC), 2015 16th International, IEEE, Pages: 13-18, DOI:10.119/CarpathianCC.2015.7145036, ISBN: 978-1-4799-7369-9, 2015. (https://www.ieee.org/conferences_events/conferences/conferencedetails/index.htm?Conf_ID=34329)
9. Genge B., Haller P., Enăchescu C., *Beyond Internet Scanning: Non-Intrusive Vulnerability Assessment of Internet-Facing Services*, International Journal of Information Security Science, Vol. 4, Issue 3, Pages: 81-91, ISSN: 2147-0030, 2015. (www.ijiss.org).
10. Genge B., Enăchescu C., *ShoVAT: Shodan-based vulnerability assessment tool for Internet-facing services*, Security and Communication Networks, Willey, ISSN: 1393-0122, (ISSN vechi: 1939-0122), DOI: 10.1002 / sec.1262, Pages:1-18, 2015, <http://onlinelibrary.wiley.com/doi/10.1002/sec.1262/abstract>. (Impact factor: 0.72).(ISI Conference Proceedings Citation Index). (Cat C. - 1021 lista 2013)
11. Genge B., Graur F., Enăchescu C., *Non-intrusive techniques for vulnerability assessment of services in distributed systems*, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu-Mures, Romania, Procedia Technology, Elsevier, Volume 19, Pages 12-19, 2015, <http://www.sciencedirect.com/science/article/pii/S2212017315000043>, (ISI Conference Proceedings Citation Index).

12. Enăchescu C., *Supervised learning using an active strategy*, Contemporary perspectives on European integration between tradition and modernity 2013 / coord.: Iulian Boldea, Cornel Sigmirean. - Târgu-Mureș: Editura Universității "Petru Maior", 2013 ISBN 978-606-581-095-2 pp. 1147-1156, 2013. (*ISI Conference Proceedings Citation Index*).
13. Enăchescu C., *Neural Networks and the approximation theory*, Procedia Technology, DOI 10.1016 / J.protcy.2013.12.478, pp. 220-228, Elsevier, ISSN: 2212 – 0173, 2013. (*ISI Conference Proceedings Citation Index*).
14. Brassai S. T., Iantovics B., Enăchescu C., *Optimization of Robotic Mobile Agent Navigation*, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (4), pp. 403-412, Impact Factor / 3 years in JCR 2011: 0.671, http://sic.ici.ro/sic2012_4/index.html, 2012. (*ISI Thomson – Cat. C*).
15. Brassai, S. T., Enăchescu, C., Losonczy, L., *RBF network for mobile robot sonar based localization and environment modeling*, Optimization of Electrical and Electronic Equipment (OPTIM), 2012 13th International Conference on, ISSN :1842-0133, E-ISBN : 978-1-4673-1652-1, Print ISBN: 978-1-4673-1650-7, INSPEC Accession Number: 12849356, DOI: 10.1109/OPTIM.2012.6231939, 2012. (*ISI Conference Proceedings Citation Index*).
16. Brassai, S.T.; Enăchescu, C.; Losonczy, L. , Marton L. F., *FPGA based embedded support for mobile robot sonar based navigation*, System Theory, Control and Computing (ICSTCC), 2012 16th International Conference on FPGA based embedded support for mobile robot sonar based navigation, pp. 1-6, 2012, ISBN: 978-1-4673-4534-7, INSPEC Accession Number: 13175176, 2012. (*ISI Conference Proceedings Citation Index*).
17. Brassai S. T., Losonczy L., Márton L. F., Bakó L., Iantovics B., Enăchescu C., *Intelligence In Mobile Robot Navigation*, Proceedings of The 6th edition on the Interdisciplinarity in Engineering International Conference, "Petru Maior" University Publishing House, Tirgu Mures, pp. 326-331, 2012, ISSN 2285 – 0945, ISSN–L 2285 – 0945, 2012. (*ISI Conference Proceedings Citation Index*).
18. Brassai S.T., Iantovics B., Enăchescu C., *Artificial Intelligence in the path planning optimization of mobile agent navigation*, Procedia Economics and Finance, Elsevier, Vol. 3, pp. 241-248, ISSN: 2212-5671, FINE129PII: S2212567112001475DOI: 10.1016/S2212-5671(12)00147-5, 2012. (*ISI Conference Proceedings Citation Index*).
19. Szilágyi S. M, Szilágyi L., Luca C. T, Cozma D., Ivănică G., Enăchescu C.: *Spatial Modeling of the Wolff–Parkinson–White Syndrome Induced Ventricular Fibrillation*, CinC 2012, Computers in Cardiology 39 2012, Krakow (Poland), pp. 753-756, ISSN: 2325-8861, 2012. (Cat A Australian Research Council, ERAID:42620).

<http://www.cinc.org/archives/2012/#authorINDEX>, 2012. (*ISI Conference Proceedings Citation Index*).

20. Szilágyi S. M, Szilágyi L., Enăchescu C.: *Hypoxia Modeling Using Luo Rudy II Cell Model*, CinC 2012, Computers in Cardiology 39, 2012., Krakow (Poland), pp. 885-888, ISSN: 0276-6574,2012. (Cat A Australian Research Council, ERAID:42620). <http://www.cinc.org/archives/2012/#authorINDEX>, ISSN 2325-8861, 2012. (*ISI Conference Proceedings Citation Index*).

21. Szilágyi S. M., Enăchescu C.: *Vascular System Reconstruction from MR Images Using Active Appearance Model*, 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI 2012 Timișoara, pp. 163-168, 6 pag., ISBN: 978-1-4673-1012-3 (USB proceedings); ISBN: 978-1-4673-1011-6 (printed proceedings), 2012. (*ISI Conference Proceedings Citation Index - Cat C*).

22. Szilágyi S. M, Szilágyi L., Enăchescu C.: *Hypoxia Modelling in Ventricular Cells Using Beeler-Reuter Model*, The 8th IFAC Symposium on Modeling and Control in Biological and Medical Systems, Budapest (Hungary), pp. 426-431, 6 pag., 2012. (*ISI Conference Proceedings Citation Index*).

23. Crainicu B., Enăchescu C.: *A metaheuristic tabu search approach for internal state reconstruction of RC4 stream cipher*, 2011 RoEduNet International Conference 10th Edition: Networking in Education and Research, Iasi, June 23-25, pp. 164-167, 4 pag., ISSN: 2247-5443, Print ISBN: 978-1-4577-1233-3, INSPEC Accession Number: 12193987, 2011 (*ISI Conference Proceedings Citation Index*).

24. Enăchescu C., Rădoiu D.: *Software Cost Estimation Model Based on Neuronal Networks*; Studia Universitatis Babeș-Bolyai, Series Informatica, Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques "KEPT-2009", "Babeș-Bolyai" University of Cluj-Napoca, Cluj-Napoca, July 2 - 4 2009, pp. 206-210, 4 pag., Cluj University Press, ISSN 1224-869x, 2009 (*MathSciNet, ZMath*).

25. Rădoiu D., Enăchescu C.: *Ontology Development: A Software Engineering Approach*; Studia Universitatis Babeș-Bolyai, Series Informatica, Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques "KEPT-2009", "Babeș-Bolyai" University of Cluj-Napoca, Cluj-Napoca, July 2 - 4 2009, pp. 211-215, 4 pag., Cluj University Press, ISSN 1224-869x, 2009 (*MathSciNet, ZMath*).

26. Enăchescu C., Iantovics B.: *Neural Networks for Surface Reconstruction*; Enăchescu C., Iantovics B., Filip F. (editori): *BICS 2008: Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems Solving- Development of Intelligent and Complex Systems*; ; AIP – American Institute of Physics, Melville, NY, USA, Weinheim, ISBN: 978-0-7354-

0654-4, Volume 1117, pp. 74-80, Aprilie 2009 (*Cat. B SENSE - ISI Conference Proceedings Citation Index*).

27. Iantovics B., Enăchescu C.: *Intelligent Complex Evolutionary Agent-Based Systems*; Enăchescu C., Iantovics B., Filip F. (editori): *BICS 2008: Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems Solving- Development of Intelligent and Complex Systems*; AIP – American Institute of Physics, Melville, NY, USA, Weinheim, ISBN: 978-0-7354-0654-4, Volume 1117, pp. 116-124, Aprilie 2009 (*Cat. B SENSE - ISI Conference Proceedings Citation Index*).
28. Enăchescu C.: *Neural networks for function approximation*; *Advanced Bio-Inspired Computational Methods*, Enăchescu C., Iantovics B., Filip F. (editori), pp. 101-106, 6 pag., Editura Universității "Petru Maior" Târgu-Mureș, ISBN 978-973-7794-77-2, 2008 (*ISI Conference Proceedings Citation Index*).
29. Enăchescu C.: *Approximation Capabilities of Neural Networks*; *JNAIAM - Journal of Numerical Analyses, Industrial and Applied Mathematics*, ISSN:1790-8140, ISSN Electronic: 1790-8159, Volume 3, issues 3-4 (2008), November, pp. 221-230, 2008 (*Cat. C - Mathematical Reviews (MathSciNet), Zentralblatt MATH Database*).
30. Enăchescu C.: *Using Prior Information To Improve The Approximation Performances of Neural Networks*; *Numerical Analysis and Applied Mathematics, International Conference of Numerical Analysis and Applied Mathematics 2007 (ICNAAM 2007)*, Corfu, Greece, September 2007, AIP – American Institute of Physics, Melville, NY, USA, Weinheim, ISBN: 978-0-7354-0447-2, ISSN: 0094-243X, Volume 936, pp. 170-173, 2007 (*Cat. B SENSE - ISI Conference Proceedings Citation Index*).
31. Enăchescu C.: *Data Predictions using Neural Networks*; *Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques "KEPT-2007"*, "Babes-Bolyai" University of Cluj-Napoca, Cluj-Napoca, June 6 - 8 2007, pp. 290-297, 8 pag., Editura Presa Universitara Clujeana, ISBN 978-973-610-556-2, 2007 (*MathSciNet, ZMath*).
32. Enăchescu C.: *Approximation Capabilities of Neural Networks*; *Proceedings of the 3rd International Conference of Numerical Analysis and Applied Mathematics 2006 (ICNAAM 2006)*, Hersonissos, Creta, September 2006, Weinheim, Wiley-VCH, ISBN: 3-527-40743-X, Grecia 15-19 septembrie, pp. 113-116, 2006 (*Cat. B SENSE - ISI Conference Proceedings Citation Index*).
33. Rădoiu D., Enăchescu C., Adjei, O.: *A systematic Approach to Scientific Visualization*; *Engineering Computation, International Journal for Computer-Aided Engineering and Software*, Emerald, ISSN: 0264-4401, Vol. 23, Nr. 8, pp. 898-906, 2006 (*ISI Thomson – Cat. B*).

34. Rădoiu D, Enăchescu C.: *Goal Driven Measurements for Software Development with Small Virtual Teams*; Proceedings of the 5th RoEduNet IEEE International Conference, Sibiu 1-3 June, Romania; Editura Universității "Lucian Blaga" Sibiu, pp. 285-291, ISBN (10) 973-739-277-9, (13) 978-973-739-277-0, iunie 2006 (*ISI Conference Proceedings Citation Index*).
35. Lu J., Adjei O., Chen W., Hussain F., Enăchescu C., Rădoiu D.: *Large candidate branch-based method for mining concurrent branch patterns*; Studia Univ. Babeș-Bolyai, Vol.1, Number 1, pp. 49-58, ISSN: 1224-869X, 2005 (*MathSciNet, ZMath*).
36. Rădoiu D, Enăchescu C., Vajda A.: *Outsourcing models and metrics*; Education / Training and Information / Communication Technologies – RoEduNet'05. Proceedings of the 4th International Conference RoEduNet Romania; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, pp. 309-316, ISBN 973-7794-29-X, 2005 (*ISI Conference Proceedings Citation Index*).
37. Rădoiu D, Enăchescu C.: *Towards a technology based learning model*; Education / Training and Information / Communications Technologies – RoEduNet'05. Proceedings of the 4th International Conference RoEduNet Romania; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, pp. 293-302, ISBN 973-7794-29-X, 2005 (*ISI Conference Proceedings Citation Index*).
38. Zhang X., Adjei O., Li D., Rădoiu D, Enăchescu C.: *An application of Gegenbauer Polynomials in Machine Vision*; Education / Training and Information / Communications Technologies – RoEduNet'05. Proceedings of the 4th International Conference RoEduNet Romania; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, pp. 162-173, ISBN 973-8084-65-2, 2005 (*ISI Conference Proceedings Citation Index*).
39. Enăchescu C.: *Improving the learning performances of neural networks using a priori information*; Research Seminars, Seminar on Computer Science, Preprint No.2, "Babeș-Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, pp.179-188, 10 pag., 1998 (*MathSciNet, ZMath*).
40. Enăchescu C.: *Neural Networks as an approximation method*; Proceedings of ICAOR: International Conference on Approximation and Optimization Methods, Second European Congress of Mathematics, ICAOR'96, Vol. II, pp. 83-92, ISBN 973-98180-7-2, Cluj-Napoca, 1997 (*MathSciNet, ZMath*).
41. Enăchescu C.: *Properties of Radial Basis Functions Neural Networks*; Research Seminars, Seminar on Computer Science, Preprint No.2, "Babeș-Bolyai" University of Cluj-Napoca, Faculty of Mathematics and Computer Science, pp. 189-198, 10 pag., 1997 (*MathSciNet, ZMath*).

2.2. Citări

1. Title: Optimization of Robotic Mobile Agent Navigation
Author(s): Brassai S. T., Iantovics B., *Enăchescu C.*,
Source: Studies in informatics and control, Volume: 21 Issue: 4 Pages: 403-412,
ISSN 1220-1766, IF: 0.671, Published: December 2012.

1. Title: Implementation of Context-Aware Based Robot Control System for Automatic Postal Logistics
Author(s): Shin, Moon Sun; Ko, Myeong Cheol; Ju, Yong Wan; et al.
Source: STUDIES IN INFORMATICS AND CONTROL Volume: 22 Issue: 1 Special Issue: SI, ISSN 1220-1766, IF: 0.671, Pages: 71-80, 2013. (Cat. C)
2. Title: Advances in Bio-inspired Computing for Combinatorial Optimization Problems
Author(s): Camelia-Mihaela Pinteaa
Source: Intelligent Systems Reference Library, Volume 57, ISBN: 978-3-642-40178-7 (Print) 978-3-642-40179-4 (Online), Springer Verlag, 2014
(<http://link.springer.com/book/10.1007%2F978-3-642-40179-4>) (Cat. B)
3. Title: An Improved Algorithm for Collision Avoidance in Environments Having U and H Shaped Obstacles
Author(s): Muhammad ZOHAIB, Syed Mustafa PASHA, Nadeem JAVAID, Abdus SALAAM, Jamshed IQBAL
Source: Studies in Informatics and Control, ISSN 1220-1766, vol. 23 (1), pp. 97-106, IF: 0.671, 2014. (Cat. C)
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Author(s): Brassai, Sandor Tihamer.
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Author(s): Brassai, S.T., **Enăchescu, C.**, Losonczy, L., Marton, L.F.

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Author(s): Adame Valdez Pedro Javier, González Hernández Luis Arturo, Esqueda Elizondo José Jaime, Reyes Martínez Roberto Alejandro

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Author(s): **Enăchescu C.**, Rădoiu D.

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Author(s): Zeinab Ghaffari Azar, Ahmad Jafarian, Mohammad Masdari

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Author(s): **Enăchescu C.**

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2.6. Brevete de inovații

1. Enăchescu C., Haller P., Moldovan I.: *Dispozitiv digital pentru etalonat cale*; Certificat inovator Nr. 3469 / 4.10.1989, 1989;
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2.7. Cărți, cursuri, manuale

2.7.1. Cărți

1. **Enăchescu C., Iantovics B., Filip F. (editori):** *Advanced Computational Technologies*, Romanian Academy, Bucharest Romanian Academy Publishing House, Bucuresti, 322 pag., ISBN 973-27-0919-7, 2012.
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14. Enăchescu C.: *Elemente de inteligență artificială*; Editura Universitatea Tehnică Cluj-Napoca, Cluj-Napoca, 175 pag., 1997.

2.7.2. Cursuri, laboratoare în format electronic (CBT - Computer Based Training Format)

1. Enăchescu C.: *Inteligență Artificială. Calculul neuronal – Curs, laborator, test*, (Format e-learning / CBT – Computer Based Training), Universitatea „Petru Maior”, Târgu-Mureș, 2006, http://intranet.upm.ro/ecalin/curs_ai/index.htm
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5. Enăchescu C.: *Complexitatea algoritmilor – Curs, laborator, test*, (Format e-learning / CBT – Computer Based Training), Universitatea „Petru Maior”, Târgu-Mureș, 2000, http://intranet.upm.ro/ecalin/cd_educational/cd/progr/complexitate_main.html

6. Enăchescu C.: *Tehnici de programare – Curs, laborator, test*, (Format e-learning / CBT – Computer Based Training), Universitatea „Petru Maior”, Târgu-Mureș, 2000, http://intranet.upm.ro/ecalin/cd_educational/cd/progr/tehnici_main.html
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2.8. Recenzii

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2. A. Horvath: *Introducere în algebra computațională. Aplicații în teoria geometrie, sisteme de ecuații, coduri.*; Editura Didactică și Pedagogică, București, 205 pag, 2010;
3. I. Mocian: *Informatică managerială*; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, 118 pag, 2010;
4. Roberto Paiano, Anna Lisa Guido, and Andrea Pandurino: *Designing Complex Web Information Systems: Integrating Evolutionary Process Engineering*; IGI Global Hershey, Pennsylvania, USA, ISBN: 978-1-60566-300-5, 390 pag., 2009;
5. P. Haller: *Proiectarea și verificarea aplicațiilor distribuite*; Editura Matrix ROM, București, 150 pag., 2008;
6. L. Brezeanu: *Modelare și analiză cu evenimente finite*; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, 250 pag., 2008;
7. I. Mocian: *Baze de date – Terminologie, Proiectare, SQL, Access*; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, 231 pag, 2007;
8. I. Mocian: *Programarea și utilizarea calculatoarelor*; Editura Universității "Petru Maior" Târgu-Mureș, Târgu-Mureș, 257 pag, 2004;
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2.9. Membru în comisii de doctorat

1. Candidat: Bogdan Crainicu, Securitate în rețele și în tehnologii wireless, Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2015.
2. Candidat: Marian Zsuzsanna-Edit, Dezvoltare de soft bazată pe instruire automată, Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2014.
3. Candidat: Maria Iuliana Bocicor, Modele bazate pe instruirea automată pentru rezolvarea unor probleme din bioinformatică, Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2013.
4. Candidat: Șerban Camelia, Metrici în evaluarea softului, Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2012.
5. Candidat: Chisăliță-Crețu Maria-Camelia, Refactorizarea în modelarea orientată pe obiecte (Refactoring in Object-Oriented Modeling), Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2011.
6. Candidat: Flavia Micota, Metode evolutive pentru rezolvarea problemelor de optimizare (Evolutionary Methods for Solving Optimization Problems), Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2011.
7. Candidat: Grigoreta Sofia COJOCAR, Aspect Mining. Formalization, New Approaches, Evaluation, Babeș-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2008.

8. Candidat: Barna Iantovics, Intelligent agents with cognitive abilities, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2007.
9. Candidat: Karoly Simon, Evolutionary techniques for data clustering, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2007.

10. Candidat: Alina Câmpan, Contributions to data mining. New techniques and applications, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2006.
11. Candidat: Ioan Cozac, Geometrical algorithms, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2004.
12. Candidat: Gabriela Şerban, Techniques for realizations of intelligent systems, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2003.
13. Candidat: Lupea V. Mihaela – Ana, Non-monotonic reasoning based on implicit logic, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2002.
14. Candidat: Andras Peter, Neural networks for the approximation of time series, Babeş-Bolyai University of Cluj Napoca, Faculty of Mathematics and Informatics, Computer Science Department, Cluj Napoca, 2000.

3. Proiecte de cercetare

3.1. Coordonarea și participarea în proiecte naționale / internaționale

1. *ERASMUS + 2014-1-RO01-KA202-002758, EQVET-US European Quality Assurance in VET towards new Eco Skills and Environmentally Sustainable Economy*, Universitatea Petru Maior, 262.254 EUR, 2014-2015, Membru.
2. *POSDRU/125/5.1/S/125723, ACTIV pe Piata Muncii: Abilitati si Competente Tehnice pentru Integrare si Valorificare pe Piata Muncii*, Universitatea Politehnica București, 2.754.799 EUR, 2014-2015, Expert tehnic.
3. *Suprafete nanostructurate pentru imbunatatirea integrarii osoase a implanturilor de titan”(nanosurface)*, PN-II-PT-PCCA-2013-4-2101, UEFISCDI, 01/07/2014 - 30/06/2016, 1.153.586,56 Ron, 2014-2015, Membru.

4. *POSDRU/159/1.5/ S/133652, Sistem integrat de îmbunătățire a calității cercetării doctorale și postdoctorale din România și de promovare a rolului științei în societate, Universitatea Alexandru Ioan Cuza, Iasi, 897.207 EUR, Expert.*
5. *OPTIMIZARE IN FINANTE - OPTFIN 2012, Program idei_workshop-uri exploratorii (we)_competitia 2012, PN-II-ID-WE-2012-4-043, 28.340,00 RON, 2012, Director proiect,
http://uefiscdi.gov.ro/userfiles/file/PN%20II_WE%20si%20SSA%202012/WE/REZULTATE%20FINALE/lista%20FINALA%20workshop-uri%20_2%20etapa%20-%20iunie%202012.pdf*
6. *CommScie - Rețea transnațională de management integrat al cercetării postdoctorale în domeniul Comunicarea științei. Construcție instituțională (Școala postdoctorală) și program de burse - POSDRU/89/1.5/S/63663, 2011 – 2013, 172.093 EUR, tutore, expert pe termen lung.*
7. *DidaTec - Școală universitară de formare inițială și continuă a personalului didactic și a trainerilor în domeniul specializărilor tehnice și inginerești - POS DRU/ 87/ 1.3/ S/ 60891, 2011 – 2013, 19.490.543 RON, tutore, expert pe termen lung.*
8. *EDOC – UPM Creșterea capacității administrative a Universității Petru Maior prin managementul electronic al documentelor – 783 / 17.09.2009 cod SMIS 13035, 375100 RON, 2009-2011; Director proiect.*
9. *E-PLID – PLATFORMĂ INTEGRATĂ DE E-EDUCAȚIE IT&C – Proiect structural în cadrul Programului Operațional Sectorial: Creșterea Competitivității Economice, Axa Prioritară III - Tehnologia Informației și Comunicațiilor pentru sectoarele privat și public, Operațiunea 3 : Susținerea implementării de aplicații de E-Educație, 1 747 696 RON, 2008; Director proiect (în competiție).*
10. *AETC – Advanced Education Technology Center. Partners: "Petru Maior" Univ. of Târgu-Mureș, National University of Athena, National University of Ireland Galway, Technical Univ. of Cluj-Napoca, "Babeș-Bolyai" University of Cluj-Napoca, TEMPUS SJEP–12518, 1998-2001, Finanțat de Comisia Europeană, 179 400 EUR; General Contractor;*
11. *Neural networks. Research Project Nr. 1501, "Community's Action for Cooperation in Science and Technology with Central and Eastern European Countries". Research grant: Catholic University of Nijmegen and Dutch Neural Networks Foundation, Olanda, Finanțat de Comisia Europeană, 20 000 EUR; Director;*
12. *Calculator personal pentru cursuri, seminarii, laboratoare pentru predarea interactivă a specialităților de informatică. Universitatea Petru Maior Târgu-Mureș, Contract nr. 40 / 1998: CNFIS, București, 1998-2000; Finanțat de Banca Mondială; 3 000 USD; Director;*

13. *MOVE-IT Innovative tools and models for VET in central and western Romania*, "Petru Maior" Univ. of Târgu-Mureș, Finanțat de SEE, EEA Grant, 1 100 000 EUR; Membru; 2008 - 2011;
14. *STAR - Tehnologii Tridimensionale de Ultrasonografie Computerizată și Mapping Intracardiac în Diagnosticul și Tratamentul Intervențional bazat pe Nanotehnologii al unor Aritmii*. Universitatea de Medicină și Farmacie Târgu-Mureș, Grant PNCDI2 - Program 42-131-3086/2008, 120 000 RON, 2008; Membru;
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15. *ROCOCO – Romanian Colleges in Computer Science and Engineering*. Partners: Free University of Amsterdam, University of Exeter, Technical Univ. of Cluj-Napoca, "Lucian Blaga" Univ. of Sibiu, Technical Univ. of Timisoara, "Petru Maior" Univ. of Târgu-Mureș, TEMPUS SJEP-11248, 1998-2001, Finanțat de Comisia Europeană, 220 000 EUR; Coordonator;
16. *ESITEC – Euro Standards in Information Technology Curricula*. Partners: Catholic University of Liege, University of Marseille, Technical Univ. of Cluj-Napoca, "Lucian Blaga" Univ. of Sibiu, Technical Univ. of Timisoara, National University of Athens, "Petru Maior" Univ. of Târgu-Mureș, TEMPUS SJEP-11248, 1998-2001, Finanțat de Comisia Europeană, 200 000 EUR; Coordonator;
17. *DIDAPRO – Distributed Data Processing*. Partners: IUT Angers, University of Plymouth, University College of Galway, National University of Athens, University of Malaga, University of Braunschweig, Technical Univ. of Cluj-Napoca, "Lucian Blaga" Univ. of Sibiu, Technical Univ. of Timisoara, Transilvania" Univ. of Brașov, "Petru Maior" Univ. of Târgu-Mureș, TEMPUS SJEP-11248, 1994-1997, Finanțat de Comisia Europeană, 300 000 EUR; Coordonator;
18. *CEDTAC – Centru Educațional Deschis bazat pe Tehnologii Avansate de Comunicație*. Universitatea Petru Maior Târgu-Mureș, Contract nr. 42 / 1998: CNFIS, București, 1998-2000; Finanțat de Banca Mondială; 25 000 USD; Coordonator;
19. *LASCOR – Translatarea cercetărilor genomice referitoare la etiologia malformațiilor cardiace în metode inovative de screening, prevenție prenatală, diagnostic genetic și imagine tridimensională*. Universitatea de Medicină și Farmacie Târgu-Mureș, Grant PNCDI2 - Program 4 – 41 -3668, 40 000 RON, 2007; Membru;
20. *MAMI – Translatarea cercetărilor hemoreobiologice privind interacțiunea laser-plasmă în terapii inovative adresate plăcii aterosclerotice coronariene*. Universitatea de Medicină și Farmacie Târgu-Mureș, Grant PNCDI2 - Program 4 -70-3523, 120 000 RON, 2007; Membru;
21. *TRIDICO – Translatarea cercetărilor genomice de reconstrucție cardiacă și tridimensională în diagnosticul și tratamentul unor boli cardiace congenitale sau dobândite de adultul tânăr*. Universitatea de Medicină și Farmacie Târgu-Mureș, Grant CEEEX Nr. 4 / CEEEX – 72 / 2006, 40 000 RON, 2006; Membru;

22. *LOGECA – Implementarea suportului logistic în cadrul resecvenționării genomice translaționale a sindroamelor coronariene acute pe o populație țintă de 1 milion de locuitori.* Universitatea de Medicină și Farmacie Târgu-Mureș, Grant CEEEX Nr. 4 / CEEEX – 171 / 2006, 40 000 RON, 2006; Membru;
23. *TRANSCARDIOSISTEM – Translatarea cercetărilor genomice în dezvoltarea de terapii inovative bazate pe transplantul de celule stem în bolile aterotrombice – studiu integrat într-o experiență europeană de cercetare de excelență.* Universitatea de Medicină și Farmacie Târgu-Mureș, Grant CEEEX Nr. 4 / CEEEX – 172 / 2006, 40 000 RON, 2006; Membru;
24. *Dezvoltarea de programe de achiziție și prelucrare a datelor provenite din experimente fiziologice.* Universitatea de Medicină și Farmacie Târgu-Mureș, Contract nr. 7028-97 – 132 / 1997: CNFIS, București, 2003-2004; Finanțat de Banca Mondială; Membru;
25. *Transpunerea modelelor biologice în circuitele hidrodinamice.* Universitatea Petru Maior Târgu-Mureș, Contract nr. 19 / 1995, București, 300.000 ROL, Finanțat de Banca Mondială; Membru;
26. *Utilizarea rezultatelor fenomenelor aero-elastice dinamice la pereții circuitelor biologice.* Universitatea Petru Maior Târgu-Mureș, Contract nr. 658 / 1995: CNFIS, București, 300.000 ROL, Finanțat de Banca Mondială; Membru;
27. *Reglarea hemodinamică a activității organelor. Modelarea circuitului sanguin la om.* Universitatea Petru Maior Târgu-Mureș, Contract nr. 25 / 1995, București, Finanțat de Banca Mondială; Membru;
28. *Activități educaționale: Bussines English with special applications to the Gas Industry.* Universitatea Petru Maior Târgu-Mureș, Contract nr. 1570 / ianuarie 2005; Beneficiar: S.C. Foraj Sonde S.A., 2005; 150 000 000 lei; Membru;
29. *Activități educaționale: Bussines English with special applications to the Gas Industry.* Universitatea Petru Maior Târgu-Mureș, Contract nr. 3274 / noiembrie 2004; Beneficiar: S.C. Distrigaz Nord S.A., 2004; 6 300 EUR; Membru;
30. *Cercetări privind sistemele de asigurare a calității aplicate în învățământul la distanță destinat formării specialiștilor în firmele din România.* Universitatea Petru Maior Târgu-Mureș, Contract nr. 1155 / 2003: CNFIS, București, 2003-2004; Finanțat de Banca Mondială, 74 000 EUR; Membru;

3.2. Propuneri de proiecte și granturi

1. *REACT – virtual REALity based system for Content management and Training in disasters scenarios*, Identifier: FP7, 190 000 EUR, 2007; Local-coordinator;
 2. *ADVICE – ADvanced training systems based on Virtual InteraCtive worlds*. Project Proposal for the Information Society Technologies IST Programme, (User - Friendly Information Society), FP7, 140 000 EUR, 2007; Local-coordinator;
-
3. *CIV-LAB – Concurrent Immersive Virtual Lab*. Reference Call:7° FP – ICT – Information and Communication Technologies – Work Programme 2007, Identifier: FP7-ICT-2007-1, 90 000 EUR, 2007; Local-coordinator;
 4. *IT Security Metrics, SME security awareness*. ICT Theme: ICT-SEC-2007.1.7: Technology building blocks for creating, monitoring and managing secure, resilient and always available information infrastructures that link critical infrastructures, 90 000 EUR, 2007; Local-coordinator;
 5. *Cercetări privind aplicarea sistemului de management al calității în programele educaționale la distanță*. Universitatea Petru Maior Târgu-Mureș, Propunere Contract CNFIS, 2006; Membru;
 6. *Sosmapret – Software System Management Protocol and Related Tools*. Parteneri: Fondazione Politecnico di Milano, Università Politecnico di Milano, Poznan University of Economics, Enter S.r.l., G.R. Informatica S.r.l., Sysgenic Group & Petru Maior University, PKC, OneCube S.r.l., 6th Framework Programme, Reference number FP6-034737, Commission of the European Communities; Total budget 2 634 000 EUR, Local-coordinator;

4. Organizare de conferințe

1. *President –International Conference: European Integration - Between Tradition and Modernity, 6th Edition*. "Petru Maior" University Târgu Mureș, October 22-23, 2015. <http://www.upm.ro/evenimente/index.html>.
2. *President of the Conference - The International Scientific Conference Literature, Discourse And Multicultural Dialogue, 3rd Edition*, ALPHA Institute for Multicultural Studies, "PETRU MAIOR" University of Tîrgu Mureș, "GHEORGHE ȘINCAI" Institute for Social Sciences and the Humanities, Tîrgu Mureș Tîrgu Mures, Romania, 3-4 December, 2015. <http://www.upm.ro/evenimente/index.html>.
3. *President- The International Scientific Conference Globalization, Intercultural Dialogue and National Identity 2nd Edition*, Alpha Institute for Multicultural Studies,

"PETRU MAIOR" University of Tîrgu Mureş, "GHEORGHE ŞINCAI" Institute, Romanian Academy, Tîrgu Mureş Romania, Tîrgu Mures 28-29 Mai 2015.
<http://www.upm.ro/evenimente/index.html>.

4. *President of the Conference* – The 9th International Conference "Inter-Eng 2015" - Interdisciplinarity in Engineering, "Petru Maior" University of Târgu-Mureş, Târgu-Mureş, October 8 – 9, 2015.
5. *President of the Conference* – The 8th International Conference "Inter-Eng 2014" - Interdisciplinarity in Engineering, "Petru Maior" University of Târgu-Mureş, Târgu-Mureş, October 9 – 10, 2014.
6. *Honorary Chair - 2nd International Symposium On Digital Forensics And On Security*, Sam Houston State University, Houston-TEXAS-USA, 12-13 MAY 2014,
<http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=37012@ownerid=63039>.
7. *Chair - The International Scientific Conference LITERATURE, Discourse And Multicultural Dialogue, 2nd Edition*, ALPHA Institute for Multicultural Studies, "PETRU MAIOR" University of Tîrgu Mureş, "GHEORGHE ŞINCAI" Institute for Social Sciences and the Humanities, Tîrgu Mureş Tîrgu Mures, Romania 4-5 December, 2014.
<http://www.upm.ro/evenimente/doc/2014/Invitatie.LDMD%202020Dec.%202014.final.pdf>.
8. *President- The International Scientific Conference Communication, Context, Interdisciplinarity 3rd Edition*, Alpha Institute for Multicultural Studies, "PETRU MAIOR" University of Tîrgu Mureş, "GHEORGHE ŞINCAI" Institute, Romanian Academy, Tîrgu Mureş Romania, Tîrgu Mures 23-24, OCTOBER, 2014.
http://www.upm.ro/evenimente/doc/2014/Invitatie_CCI3_Oct_2014.pdf
9. *President of the Conference* – The 7th International Conference "Inter-Eng 2013" - Interdisciplinarity in Engineering, "Petru Maior" University of Târgu-Mureş, Târgu-Mureş, October 9 – 10, 2013.
10. *Chair - OPTIMIZARE IN FINANTE - OPTFIN 2012*, Program idei_workshop-uri exploratorii (we)_competitia 2012, PN-II-ID-WE-2012-4-043, 28.340,00 RON, 2012,
<http://optfin2012.upm.ro>.
11. *Chair - AdvMed 2012 Workshop, "Advances on Medical Signal, Data and Media Analyses"*, "Petru Maior" University of Târgu-Mureş, Târgu-Mureş, July 18 – 19, 2012. (http://advmed.upm.ro/scientific_committee.html).

12. *President of the Conference –The 2nd International Conference CCI Communication, Context, Interdisciplinarity*, "Petru Maior" University of Târgu-Mureș, Târgu-Mureș, November 22 – 23, 2012.
13. *President of the Conference – The 6th International Conference "Inter-eng 2012" - Interdisciplinarity in Engineering*, "Petru Maior" University of Târgu-Mureș, Târgu-Mureș, October 4 – 5, 2012.

14. *Member of the scientific committee – The 5th International Conference "Inter-eng 2011" - Interdisciplinarity in Engineering*, "Petru Maior" University of Târgu-Mureș, Târgu-Mureș, November 3 – 5, 2011.
15. *Co-Chairman –International Conference: European Integration - Between Tradition and Modernity, Fourth Edition*. "Petru Maior" University Târgu Mureș, October 27-28, 2011.
16. *Conference Chair – International Workshop on Next Generation Intelligent Medical Decision Support System*, "Petru Maior" University Târgu Mureș, September 18-19, 2011.
17. *Member of the scientific committee – The Third International Conference on Knowledge Engineering: Principles and Techniques KEPT 2011*. "Babeș Bolyai" University of Cluj Napoca, July 4-6, 2011.
18. *Member of the technical program committee – 2011 RoEduNet International Conference 10th Edition: Networking in Education and Research*, Alexandru Ioan uza University, Iasi, June 23-25, 2011.
19. *Member of the scientific committee - International Conference: SATEE 2010 - Smart Applications & Technologies for Electronic Engineering Conference*, "1 Decembrie 1918" University of Alba Iulia, August, 2010.
20. *Member of the program committee – International Conference: 9th RoEduNet International Conference*. „Lucian Blaga" University Sibiu, June 24-26, 2010.
21. *Member of the program committee – International Conference: 8th RoEduNet International Conference*. „Dunarea de Jos" University, Galati, December 3-4, 2009.

22. *Member of the scientific committee – The 4th International Conference “Inter-eng 2009”, Interdisciplinarity in Engineering, “Petru Maior” University of Târgu-Mureş, Târgu-Mureş, November 12 – 13, 2009.*
23. *Co-Chairman – International Conference: European Integration - Between Tradition and Modernity, Third Edition. “Petru Maior” University Târgu Mureş, October 22-23, 2009.*
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24. *Honorary chair - 1’st International Symposium on Understanding Intelligent and Complex Systems, Petru Maior University Târgu Mureş, 22-23 October, 2009.*
25. *Co-Chair – The International Workshop on Wireless Network Security and Privacy, IEEE - St. Petersburg, Russia, 12-14, October, 2009.*
26. *Member of the scientific committee - International Conference on Mathematics and Informatics, second edition, University of Bacau, Bacau, September 8-10, 2009.*
27. *Member of the program committee – The Second International Conference on Knowledge Engineering: Principles and Techniques KEPT 2009. “Babeş Bolyai” University of Cluj Napoca, July 2-4, 2009.*
28. *Chair – International Conference: Bio-Inspired Computational Methods Used for Difficult Problems Solving. Development of Intelligent and Complex Systems, BICS’2008, Romanian Academy, Bucharest and Petru Maior University Târgu Mureş, November 5-7, 2008.*
29. *General Chair – International Conference: Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS’2008, Romanian Academy, Bucharest and “Petru Maior” University Târgu Mureş, November 8-10, 2008.*
30. *Member of the program committee – International Conference: 7th RoEduNet International Conference. Technical University of Cluj Napoca, August 28-30, 2008.*
31. *Conference chair – International Conference on Economics, Law and Management “ICELM-3”, Section: Information and Decision Systems, Mathematical Modeling and Statistics, “Petru Maior” University of Târgu-Mureş, Târgu-Mureş, June 4 – 7, 2008.*

32. *Member of the program committee – The First International Conference on Knowledge Engineering: Principles and Techniques KEPT 2007.* “Babeş Bolyai” University of Cluj Napoca, June 6-8, 2007.
33. *Member of the scientific committee – International Conference: 6th RoEduNet International Conference.* University of Craiova, November 23-24, 2007.
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34. *Member of the scientific committee – International Conference: Inter-ING 2007.* “Petru Maior” University Târgu Mureş, November 15-16, 2007.
35. *Chairman – International Conference: European Integration - Between Tradition and Modernity, Second Edition.* “Petru Maior” University Târgu Mureş, September 20-22, 2007.
36. *Conference chair – International Conference on Economics, Law and Management “ICELM-2”, Section: Information and Decision Systems, Mathematical Modeling and Statistics,* “Petru Maior” University of Târgu-Mureş, Târgu-Mureş, June, 2006.
37. *Co-General Chairman – International Conference: 5th RoEduNet IEEE International Conference,* „Lucian Blaga” University, Sibiu, 1-3 June, 2006.
38. *General Chair – International Conference: Education / Training and Information / Communication Technologies – RoEduNet’05,* „Petru Maior” University of Târgu-Mureş, Sovata, May 20-22, 2005.
39. *Chairman – International Conference: European Integration - Between Tradition and Modernity, First Edition.* “Petru Maior” University Târgu Mureş, September 22-23, 2005.
40. *Member of the scientific committee – International Conference: Inter-ING 2005.* “Petru Maior” University Târgu Mureş, November 10-11, 2005.
41. *Member of the scientific committee – International Conference: Third RoEduNet Conference: Networking for Education and Research.* Timișoara, May 27-29, 2004.
42. *Conference chair – International Conference on Economics, Law and Management “ICELM-2”, Section: Informatics for Economy,* “Petru Maior” University of Târgu-Mureş, Târgu-Mureş, June 3 – 5, 2004

43. *Member of the scientific committee – International Conference: Second RoEduNet Conference: Networking for Education and Research.* Iași, June 5-8, 2003.

44. *Member of the scientific committee – International Conference: First RoEduNet Conference: Networking for Education and Research.* Technical University Cluj Napoca, April 18-19, 2002.

5. Mobilități internaționale

1. 2015, Bilateral Agreement, „La Sapienzia” University of Rome, Rome, Italy.
2. 2015, Bilateral Agreement, University of Miskolc, Hungary, January 2015.
3. 2014, Teaching Staff Assignment, Firat University, Turkey, May 2014.
4. 2012, Study visit, „La Sapienzia” University of Rome, Rome, Italy.
5. 2010, Didactical visit, University College of Sør-Trøndelag, Trondheim, Norway;
6. 2008, Research visit, Johann Wolfgang Goethe University, Frankfurt, Germany;
7. 2008, Didactical visit, University of Bologna, Italy;
8. 2006, Didactical visit, Corvinus University, Budapest, Hungary;
9. 2006, Didactical visit, Technical University of Miskolc, Hungary;
10. 2004, Study visit, University of Applied Sciences, Bochum, Germany;
11. 2004, Visiting Professor, Luton University, Luton, UK;
12. 2003, Didactical visit, Windesheim University, Zwolle, Netherlands;
13. 2003, Didactical visit, Corvinus University, Budapest, Hungary;
14. 2000, Visiting Professor, National Technical University of Athens, Greece;
15. 2000, Visiting Professor, National University of Ireland, Electrical Engineering Department, Ireland;
16. 1999, Didactical visit, National Technical University of Athens, Greece;
17. 1999, Research visit, Polytechnic University of Valencia, Spain;

18. 1999, Study visit, Free University of Amsterdam, Computer Science Department, Netherlands;
19. 1999, Study visit, National Technical University of Athens, Greece;
20. 1998, Study visit, University College of Galway, Electrical Engineering Department, Ireland;
21. 1998, Study visit, University of Exeter, Computer Science Department, UK;
22. 1998, Research visit, Sun Microsystems, Menlo Park California, SUA;
23. 1997, Study visit, University of Plymouth, School of Computing, Neural Networks and Adaptive Systems Centre, UK;
24. 1997, Study visit, University of Exeter, Computer Science Department, UK;
25. 1999, Research visit, Free University of Amsterdam, Computer Science Department, Netherlands;
26. 1996, Study visit, National Technical University of Athens, Greece;
27. 1995, Institute Universitaire Technique Angers, France;
28. 1993, Research visit, Technical University of Vienna, Austria; 1993,
29. Research visit, Dutch Neural Network Foundation, Radboud University Nijmegen (Catholic University of Nijmegen), Nijmegen, Netherlands; (TOP University World Ranking 127)
30. 1992, Study visit, Windesheim University, Zwolle, Netherlands;

6. Activitate editorială

1. Iunie, 2007 – prezent, Referent științific al revistei internaționale "Studies in Informatics and Control", publicată de National Institute for R&D in Informatics, ICI Bucharest, România.
2. Noiembrie, 2008 – prezent, Referent științific al Editurii Alma Mater, Universitatea din Bacău, România.
3. Februarie, 2006 – prezent, Membru în Comitetul editorial al Buletinului științific al Universității „Petru Maior” din Tirgu Mures, România.

7. Apartenența la asociații profesionale

1. Ianuarie, 1993 – prezent, ENNS - European Neural Network Society (member No. 1347).

2. Martie, 1994 – prezent, SRRN – Romanian Society for Neural Networks.

3. Iunie, 1997 – prezent, NEW YORK ACADEMY OF SCIENCE - (Member ID# 460712).

4. Ianuarie, 2002 – prezent, Marquis Who's Who in Science and Engineering, 6th Edition 2002-2003, Marquis Who's Who Publication, pp.268, ISBN: 0-8379-5760-5, USA.

5. Ianuarie, 2002 – prezent, Who's Who Historical Society, USA, Who's Who Historical Society Publication.

6. Octombrie, 2005 – prezent, Expert ARACIS.

7. Octombrie, 2005 – prezent, Expert CNCSIS.

Târgu-Mureș, Ianuarie 2016

Prof. dr. Călin ENĂCHESCU

