INFORMAȚII PERSONALE

Radu-Emil Precup

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Sexul Masculin | Data naşterii 22/03/1963 | Naţionalitatea Română

LOCUL DE MUNCA PENTRU CARE SE CANDIDEAZĂ POZIŢIA

Membru al unei comisii de doctorat pentru examinarea şi susţinerea publică aunei teze de doctorat

EXPERIENŢA PROFESIONALĂ

2000-prezent

Profesor universitar la Departamentul de Automatică şi Informatică Aplicată din cadrul Universităţii Politehnica Timişoara (http://www.aut.upt.ro/~rprecup/bio.html)

Universitatea Politehnica Timişoara, Piaţa Victoriei nr. 2, 300006 Timişoara, România, http://www.upt.ro/

Principalele activităţi şi responsabilităţi:

- Activităţi didactice la disciplinele de System Theory and Automatization (Calculatoare şi tehnologia informaţiei – engleză), Ingineria reglării automate (Ingineria sistemelor), Matematici asistate de calculator (Ingineria sistemelor), Tehnici de optimizare (Ingineria sistemelor), Structuri şi algoritmi pentru conducerea automată a proceselor (Ingineria sistemelor), Sisteme de conducere fuzzy (Ingineria sistemelor), Sisteme de conducere inteligentă (Ingineria sistemelor automate), Dynamic Systems and Stability in Automotive Control (Automotive Embedded Software), Prelucrarea matematică a semnalelor (Sisteme informatice aplicate în producţie şi servicii), Sisteme dinamice şi stabilitate (Modele matematice în inginerie), Strategii de conducere avansată (Automatică), Sisteme de reglare avansată (Automatică), Optimizarea sistemelor asistată de calculator (Automatică), Abordări moderne în conducerea proceselor I (Sisteme automate), Elemente de reglare automată (Energetică), Intelligent Control in Automotive Embedded Systems (Automotive Embedded Software), Sisteme multiagent (Sisteme automate), Multi-agent Systems (Automotive Embedded Software).
- 2016-2020: Decan al Facultăţii de Automatică şi Calculatoare, Universitatea Politehnica Timişoara (http://www.ac.upt.ro/conducere.php#top).
- 2016-2019: Adjunct Professor la School of Engineering, Edith Cowan University, Joondalup, WA, Australia (http://www.ecu.edu.au/schools/engineering/staff/).
- 2016-2020: Membru al Consiliului Şcolii Doctorale Automatică şi Calculatoare, Universitatea Politehnica din Bucureşti (http://doctorat.acs.pub.ro/componenta-si-organizare/sedinte-alegeri/).
- 2012-2016: Prodecan al Facultăţii de Automatică şi Calculatoare, Universitatea Politehnica Timişoara.
- Martie-iunie 2012: Preşedinte al Comisiei de Cercetare Ştiinţifică a Senatului Universităţii "Politehnica" din Timişoara.
- 2011-2012: Vicepreşedinte al Comisiei de calculatoare, tehnologia informaţiei şi ingineria sistemelor din cadrul Consiliului Naţional de Atestare a Titlurilor, Diplomelor şi Certificatelor Universitare (CNATDCU) şi membru al panelului P2. Ştiinţe inginereşti (http://www.cnatdcu.ro/paneluri-cnatdcu/panel-2-stiinte-ingineresti/comisia-de-inginerie-calculatoare-tehnologia-informatiei-si-ingineria-sistemelor/).
- 2012-prezent: Membru al Comisiei de calculatoare, tehnologia informaţiei şi ingineria sistemelor din cadrul CNATDCU (http://www.cnatdcu.ro/paneluri-cnatdcu/incepand-cu-data-de-7-septembrie-2012/stiinte-ingineresti/comisia-de-calculatoare-tehnologia-informatiei-si-ingineria-sistemelor/).

- 2011-prezent: Director al Centrului de Cercetare în Ingineria Sistemelor Automate din cadrul Universităţii Politehnica Timişoara (http://www.aut.upt.ro/centru-cercetare/).
- 2014-prezent: Membru al Informatics and Electrical Engineering review panel of the Hungarian Scientific Research Fund (OTKA), Budapesta, Ungaria.
- 2012-prezent: Reviewer al Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO), Bruxelles, Belgia.
- 2011-prezent: Reviewer al Hungarian Scientific Research Fund (OTKA), Budapesta, Ungaria.
- 2011-prezent: Reviewer al Czech Science Foundation (GACR), Praga, Cehia.
- 2009-prezent: Membru al Şcolii Doctorale de Informatică Aplicată din cadrul Óbuda University (cu denumirea veche Budapest Tech Polytechnical Institution), Budapesta, Ungaria.
- 2008-2012: Şef al Oficiului de Informare şi Consiliere a Studenţilor (OICS) al Facultăţii de Automatică şi Calculatoare, Universitatea "Politehnica" din Timişoara.
- 2004-prezent: Conducător de doctorat în domeniul Ingineria sistemelor (fost Automatică) la Universitatea Politehnica Timişoara, patru doctori cu teze susţinute, Radu-Corduţ David (aprilie 2015), titlul tezei: "Contributions to modeling and optimization of fuzzy control systems", Mircea-Bogdan Rădac (septembrie 2011), titlul tezei: "Iterative Techniques for Controller Tuning", Ovidiu Baniaş (mai 2009), titlul tezei: "Contribuţii la conducerea traficului rutier urban utilizând o reţea de senzori wireless ca detector de trafic", Zsuzsa Preitl (aprilie 2008), titlul tezei: "Model Based Design Methods for Speed Control Applications" şi şapte doctoranzi îndrumaţi la ora actuală (http://www.aut.upt.ro/~rprecup/stud.html).
- 2001-2011: Director adjunct al Centrului de Cercetare Ştiinţifică în Automatică şi Calculatoare din cadrul Universităţii "Politehnica" din Timişoara, director al Diviziei de Automatică şi Informatică Industrială.
- 2000-2004, 2008-2012: Membru al Consiliului Departamentului de Automatică şi Informatică Aplicată.
- 2000-prezent: Membru al Consiliului Facultăţii de Automatică şi Calculatoare.
- 2007-prezent: Expert şi evaluator al Agenţiei Române de Asigurare a Calităţii în Învăţământul Superior (ARACIS), Bucureşti, în domeniul Ingineria Sistemelor.
- 2000-prezent: Expert şi evaluator al Consiliului Naţional al Cercetării Ştiinţifice (CNCS, cu vechea denumire Consiliul Naţional al Cercetării Ştiinţifice din Învăţământul Superior, CNCSIS), Bucureşti, în domeniile Automatică, Robotică şi Ingineria Sistemelor.
- 2005-prezent: Associate editor-in-chief al Buletinului Ştiinţific al Universităţii Politehnica Timişoara, Seria Automatică şi Calculatoare, ISSN 1224-600X.
- 2000-prezent: Membru al colegiului de redacţie al Buletinului Ştiinţific al Universităţii Politehnica Timişoara, Seria Automatică şi Calculatoare.

Tipul sau sectorul de activitate	Educaţie - învăţământ
1998-2000	**Conferenţiar universitar la Departamentul de Automatică şi Informatică Industrială de la Facultatea de Automatică şi Calculatoare din cadrul Universităţii "Politehnica" din Timişoara** (http://www.aut.upt.ro/~rprecup/bio.html)

Universitatea "Politehnica" din Timişoara, Piaţa Victoriei nr. 2, 300006 Timişoara, România, http://www.upt.ro/

Principalele activităţi şi responsabilităţi:
- Activităţi didactice la disciplinele de Ingineria reglării automate II (Automatică), Sisteme de reglare avansată (Automatică), Matematici asistate de calculator (Automatică şi calculatoare), Tehnici de optimizare (Automatică), Tehnici moderne de conducere (Automatică), Conducerea inteligentă a proceselor (Automatică), Conducerea numerică a sistemelor hidropneumatice (Maşini Hidraulice şi Pneumatice), Elemente de reglare automată (Energetică), Teoria sistemelor şi automatizări (Mecanică), Sisteme de reglare automată a excitaţiei generatoarelor sincrone şi Sisteme de reglare automată a vitezei generatoarelor sincrone (Energetică).
- 1998-2000: Membru al colegiului de redacţie al Buletinului Ştiinţific al Universităţii Politehnica Timişoara, Seria Automatică şi Calculatoare.

Tipul sau sectorul de activitate	Educaţie - învăţământ

1994-1998 Şef de lucrări universitar la Departamentul de Automatică şi Informatică Industrială de la Facultatea de Automatică şi Calculatoare din cadrul Universităţii "Politehnica" din Timişoara (http://www.aut.upt.ro/~rprecup/bio.html)

Universitatea "Politehnica" din Timişoara, Piaţa Victoriei nr. 2, 300006 Timişoara, România, http://www.upt.ro/

Principalele activităţi şi responsabilităţi:
- Activităţi didactice la disciplinele de Ingineria reglării automate I si II (Automatică), Sisteme de reglare avansată (Automatică), Tehnici de optimizare (Automatică), Tehnici moderne de conducere (Automatică), Elemente de reglare automată (Energetică), Teoria sistemelor şi automatizări (Mecanică).
- 1994-1998: Membru al colegiului de redacţie al Buletinului Ştiinţific al Universităţii Politehnica Timişoara, Seria Automatică şi Calculatoare.

Tipul sau sectorul de activitate Educaţie - învăţământ

1991-1994 Asistent universitar la Catedra de Automatică şi Informatică Industrială de la Facultatea de Automatică şi Calculatoare din cadrul Universităţii Tehnice din Timişoara (http://www.aut.upt.ro/~rprecup/bio.html)

Universitatea Tehnică din Timişoara, Piaţa Victoriei nr. 2, 300006 Timişoara, România, http://www.upt.ro/

Principalele activităţi şi responsabilităţi:
- Activităţi didactice la disciplinele de Ingineria reglării automate I şi II (Automatică), Teoria sistemelor (Automatică şi calculatoare), Elemente de reglare automată (Energetică).

Tipul sau sectorul de activitate Educaţie - învăţământ

1987-1991 Inginer automatist la punctul de lucru Timişoara (http://www.aut.upt.ro/~rprecup/bio.html)

S.C. Infoservice S.A. (fost SIRECA), Bucureşti

Principalele activităţi şi responsabilităţi:
- Coordonarea activităţii compartimentului de Automatizări.
- Puneri în funcţiune de sisteme automate.
- Depanări şi revizii de sisteme automate analogice şi numerice.

Tipul sau sectorul de activitate Economie – industrie

EDUCAŢIE ŞI FORMARE

1992-1996 Diplomă de doctor   Nivelul EQF 8

Universitatea "Politehnica" din Timişoara

▪ Ramura Ştiinţe tehnice, specializarea Sisteme automate

1988-1993 Diplomă de licenţă   Nivelul EQF 7

Universitatea de Vest din Timişoara

▪ Specializarea Matematică

1982-1987 Diplomă de merit   Nivelul EQF 7

Institutului Politehnic "Traian Vuia" din Timişoara

▪ Specializarea Automatică şi calculatoare, direcţia de aprofundare Conducerea proceselor cu calculatorul

1977-1981 Diplomă de bacalaureat   Nivelul EQF 5

Liceul Industrial nr. 1, mun. Lugoj, jud. Timiş

▪ Matematică-Fizică

COMPETENTE PERSONALE

Limba maternă Româna

Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversaţie	Discurs oral	
Engleza	C2	C2	C2	C2	C2
Franceza	B1	B1	B1	B1	B1
Germana	B1	B1	B1	B1	B1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadrul european comun de referinţă pentru limbi străine

Competenţe de comunicare

▪ Capacitate de adaptare la medii multiculturale, obţinută prin multe vizite pe perioade diferite în străinătate.
▪ Spirit de echipă, dobândit şi dezvoltat ca membru în numeroase echipe de cercetare din ţară şi din străinătate.

Competenţe organizaţionale/manageriale

- Decan al Facultăţii de Automatică şi Calculatoare, Universitatea Politehnica Timişoara (2016-2020, http://www.ac.upt.ro/conducere.php#top).
- Prodecan al Facultăţii de Automatică şi Calculatoare, Universitatea Politehnica Timişoara (2012-2016).
- Director al Centrului de Cercetare în Ingineria Sistemelor Automate din cadrul Universităţii Politehnica Timişoara (din 2011, http://www.aut.upt.ro/centru-cercetare/).
- Şef al Oficiului de Informare şi Consiliere a Studenţilor (OICS) al Facultăţii de Automatică şi Calculatoare, Universitatea "Politehnica" din Timişoara (2008-2012).
- Preşedinte al Comisiei de Cercetare Ştiinţifică a Senatului Universităţii "Politehnica" din Timişoara (martie-iunie 2012).
- Director adjunct al Centrului de Cercetare Ştiinţifică în Automatică şi Calculatoare din cadrul Universităţii "Politehnica" din Timişoara, director al Diviziei de Automatică şi Informatică Industrială (2001-2011).
- Membru al Consiliului Departamentului de Automatică şi Informatică Aplicată (2000-2004, 2008-2012).
- Membru al Consiliului Facultăţii de Automatică şi Calculatoare (din 2000).
- *Guest Editor*, împreună cu profesorii Hans Hellendoorn (Delft University of Technology, Olanda) şi Plamen Angelov (Lancaster University, Anglia), al Special Issue on Synergy of computers, cognition, communication and control with industrial applications, publicat în revista Computers in Industry (Elsevier Science), vol. 74, dec. 2015, factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 2.850.
- Associate editor al revistei *IEEE Transactions on Fuzzy Systems* (din 2018), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 8.415.
- Membru al Editorial Board al revistei *Applied Soft Computing*, Elsevier Science (din 2014), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 3.907.
- Membru al Editorial Board al revistei *Evolving Systems*, Springer-Verlag (din 2014), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge).
- Editor al revistei *Cogent Engineering*, Taylor & Francis, Anglia (din 2017), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge).
- Membru al Editorial Board al revistei Energies, MDPI, Elveţia (din 2017), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 2.676.
- Membru al Editorial Board al revistei Machines, MDPI, Elveţia (din 2017), indexată în

Clarivate Analytics Web of Science.

- Associate Editor al revistei Control Engineering and Applied Informatics, Societatea Română de Automatică și Informatică Tehnică (din 2016), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 0.698.
- Track Chair al revistei Acta Polytechnica Hungarica, Óbuda University, Ungaria (din 2014), Associate Editor (2012-2014), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 0.909.
- Membru al Editorial Board al revistei International Journal of Computers Communications & Control (din 2017), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 1.290.
- Membru al Editorial Board al revistei Advances in Electrical and Computer Engineering, Universitatea "Ștefan cel Mare" din Suceava (din 2007), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 0.699.
- *Editor-in-Chief* al revistei International Journal of Artificial Intelligence, CESER Publications, India (din 2008), indexată în SCOPUS, Zentralblatt MATH (io-port.net).
- *Editor-in-Chief* al revistei International Journal of Imaging and Robotics, CESER Publications, India (din 2011), indexată în SCOPUS, Zentralblatt MATH (io-port.net).
- Editor al revistei Paladyn, Journal of Behavioral Robotics, Versita, Polonia, publicată pentru început împreună cu Springer-Verlag, apoi cu De Gruyter (din 2010), indexată în DBLP.
- Editor al revistei International Journal of Tomography & Simulation, CESER Publications, India (din 2006), indexată în Mathematical Reviews, SCOPUS, Zentralblatt MATH.
- Membru al Editorial Board al revistei International Journal of Advanced Intelligence Paradigms, Inderscience Publishers, Anglia (din 2009), indexată în SCOPUS, INSPEC.
- Membru al Editorial Board al revistei Journal of Applied Mathematics, Hindawi Publishing Corporation, SUA (din 2014), indexată în SCOPUS.
- Membru al Editorial Board of The Open Cybernetics & Systemics Journal, Bentham Open, Emiratele Arabe Unite (din 2016), indexată în SCOPUS, Zentralblatt MATH, MathSciNet.
- Membru al Editorial Advisory Board al revistei Mediterranean Journal of Measurement and Control, SoftMotor Ltd, Anglia (din 2009), indexată în SCOPUS, INSPEC.
- Editor al revistei International Journal of Soft Computing, Medwell Online, Pakistan (din 2007), indexată în SCOPUS.
- Membru al Editorial Board al revistei Facta Universitatis, Series Automatic Control and Robotics, University of Niš, Serbia (din 2008).
- Associate Editor al revistei International Journal of Computational Intelligence and Pattern Recognition, Columbia International Publishing, SUA (din 2014).
- Associate Editor al revistei Gradus, John von Neumann University, Ungaria (din 2014).
- Membru al Editorial Board al revistei Journal of Electrical Engineering, Editura Politehnica, Timișoara (din 2012), indexată în SCOPUS, INSPEC.
- Membru al Editorial Board al revistei Annals of The University of Craiova, Series: Automation, Computers, Electronics and Mechatronics (din 2015), indexată în INSPEC.
- Associate editor-in-chief al Buletinului Științific al Universității Politehnica Timișoara, Seria Automatică și Calculatoare (2005-2016) și membru al colegiului de redacție în perioada 1994-2004
- Un program Socrates+ (cordonator) în 2014-2021, cu Universitatea din Ljubljana (Slovenia).
- Un program Socrates-Erasmus (cordonator) în 2009-2013, cu Universitatea din Ljubljana (Slovenia).

- Un program Socrates-Erasmus (cordonator) în 2010-2013, cu Kecekemét College (Ungaria).
- Un program Socrates-Erasmus (cordonator) în 1999-2000, cu Universitatea Tehnică din Viena (Austria).
- Membru în comitetul de organizare al 1st IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems ICPS'07 (Cluj-Napoca, România), IEEE International Workshop on Soft Computing Applications IEEE - SOFA 2005 (Szeged, Ungaria, Arad, România), South-eastern Europe, USA, Japan and European Community Workshop on Research and Education in Control and Signal Processing REDISCOVER 2004 (Cavtat, Croaţia).
- *Co-chair*, împreună cu profesorii Igor Škrjanc (University of Ljubljana, Slovenia) şi Plamen Angelov (Lancaster University, Anglia), al *Sesiunii Invitate* "Applications of Data-Driven Approaches to Modeling, Identification, Prediction and Optimization for Intelligent Control and Planning", în cadrul 2014 IEEE Multi-Conference on Systems and Control MSC 2014 (Antibes, Franţa).
- *Co-chair*, împreună cu profesorii Keith J Burnham (Coventry University, Anglia), Leszek Koszalka (Wroclaw University of Technology, Polonia) şi Henry Selvaraj (University of Nevada, Las Vegas, NV, SUA), al *Sesiunii Speciale* "Artificial Intelligence in Systems Modelling, Optimisation and Control for Enhanced Computer Networks, Manufacturing Logistics and Tele-Informatics", în cadrul 6th International Conference on Hybrid Artificial Intelligence Systems HAIS 2011 (Wroclaw, Polonia).
- *Co-chair*, împreună cu profesorii Emil Petre (Universitatea din Craiova), Sergiu Caraman (Universitatea "Dunărea de Jos" din Galaţi) şi Dan Selişteanu (Universitatea din Craiova), al *Sesiunii Speciale* "Intelligent Techniques in Modelling, Identification and Control of Bioprocesses", în cadrul 3rd International Conference on Intelligent Decision Technologies KES-IDT-2011 (Piraeus, Grecia).
- Membru în comitetul de organizare al Conferinţelor Internaţionale CONTI'94, CONTI'96, CONTI'98, CONTI'2000, CONTI'2002, CONTI'2004, CONTI'2006 şi CONTI'08 (Timişoara).

Competenţe dobândite la locul de muncă

- Dezvoltarea unor noi strategii, structuri şi algoritmi de conducere automată: conducere convenţională, conducere fuzzy (domeniul tezei de doctorat), conducere adaptivă hibridă neuro-fuzzy, conducere sliding mode (în regim alunecător), conducere data-driven (data-based) ş.a.
- Teorie şi aplicaţii în soft computing.
- Prelucrarea matematică a semnalelor.
- Modelarea, identificarea şi optimizarea sistemelor utilizând inclusiv algoritmi de inspiraţie biologică.
- Proiectarea asistată de calculator a sistemelor de conducere automată.
- Dezvoltarea unor aplicaţii de conducere a sistemelor mecatronice şi sistemelor incorporate (inclusiv sisteme specifice autovehiculelor şi roboţi mobili), grupurilor energetice, servosistemelor, sistemelor de acţionări electrice ş.a.
- Conducător de doctorat în domeniul Ingineria sistemelor (fost Automatică) la Universitatea Politehnica Timişoara (din 2004).
- *Co-Chair* al *Control Systems and Applications Track*, împreună cu Prof. Kanghyun Jo (Coreea) şi Prof. Makoto Iwasaki (Japonia), în cadrul 44th *Annual Conference of the IEEE Industrial Electronics Society IECON'18* (Washington DC, SUA).
- *Special Session Chair* al *IEEE Joint Conference on Neural Networks, IJCNN 2013* (Dallas, TX, USA).
- *Special Session Chair* al 2017 IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2017 (Ljubljana, Slovenia).
- *Special Session Chair* al 2016 IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2016 (Natal, Brazilia).
- *Publication Chair* al 7th International Conference on Swarm Intelligence ICSI'2016 (Bali, Indonezia), 6th International Conference on Swarm Intelligence and 2nd BRICS Congress on Computational Intelligence ICSI-CCI'2015 (Beijing, China), 5th International Conference on Swarm Intelligence ICSI'2014 (Hefei and Huangshan, China), 4th International Conference on Swarm Intelligence ICSI'2013 (Harbin, China), 3rd International Conference on Swarm Intelligence ICSI'2012 (Shenzhen, China) şi 2nd International Conference on Swarm Intelligence ICSI'2011 (Chongqing,

China), cu lucrările indexate în Clarivate Analytics Web of Science (cu denumirile anterioare cu ISI Web of Knowledge, ISI Conference Proceedings Citation Index).

- *Publication Co-chair* al 9th International Conference on Swarm Intelligence ICSI'2018 (Shanghai, China).
- *Vicepreşedinte al comitetului internaţional de program* la 22nd International Conference on System Theory, Control and Computing ICSTCC 2018 (Sinaia).
- *Copreşedinte general şi copreşedinte al comitetului de program* la IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018 (Timişoara).
- *Vicepreşedinte al comitetului internaţional de program* la 21st International Conference on System Theory, Control and Computing ICSTCC 2017 (Sinaia), cu lucrările indexate în Clarivate Analytics Conference Proceedings Citation Index.
- Membru în comitetul internaţional de program la (http://www.aut.upt.ro/~rprecup/progcom.html): 3rd IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control CESCIT 2018 (Faro, Portugalia), 10th International Joint Conference on Computational Intelligence IJCCI 2018 (Sevilla, Spania), 6th World Conference on Information Systems and Technologies WorldCist'18 (Napoli, Italia), 10th International Conference on Computational Collective Intelligence ICCCI 2018 (Bristol, Marea Britanie), 2018 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2018 (Cluj-Napoca), 6th International Workshop on Systems Safety & Security IWSSS 2018 (Iaşi), 26th International Joint Conference on Artificial Intelligence IJCAI 2017 (Melbourne, Australia), 16th IEEE International Conference on Machine Learning and Applications ICMLA 2017 (Cancun, Mexic), 14th International Conference on Informatics in Control, Automation and Robotics ICINCO 2017 (Madrid, Spania), 9th International Joint Conference on Computational Intelligence IJCCI 2017 (Funchal, Madeira, Portugalia), IEEE 21st International Conference on Intelligent Engineering Systems INES 2017 (Larnaca, Cipru), 2017 IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2017 (Ljubljana, Slovenia), 9th International KES Conference on Intelligent Decision Technologies KES-IDT-17 (Vilamoura, Algarve, Portugalia), 11th International KES Conference on Agents and Multi-Agent Systems: Technologies and Applications KES-AMSTA-17 (Vilamoura, Algarve, Portugalia), 10th International KES Conference on Intelligent Interactive Multimedia: Systems and Services KES-IIMSS-17 (Vilamoura, Algarve, Portugalia), 3rd Global Conference on Artificial Intelligence GCAI 2017 (Miami, FL, SUA), 5th World Conference on Information Systems and Technologies WorldCist'17 (Porto Santo Island, Madeira, Portugalia), 11th International Symposium on Intelligent Distributed Computing IDC 2017 (Belgrad, Serbia), 9th International Conference on Computational Collective Intelligence ICCCI 2017 (Nicosia, Cipru), 8th International Conference on Cognitive Infocommunications CogInfoCom 2017 (Debrecen, Ungaria), IEEE 15th International Symposium on Intelligent Systems and Informatics SISY 2017 (Subotica, Serbia), 8th EAI International Conference on Big Data Technologies and Applications BDTA 2017 (Gwangju, Coreea de Sud), Spring Conference of IEEE Region 10 TENSYMP 2017 (Cochin, Kerala, India), Second International Conference on Advanced Wireless Information, Data, and Communication Technologies AWICT 2017 (Paris, Franţa), 3rd International Integrated (Web & Offline) Conference & Concert on Convergence with Academic & Job Fair IICCC 2017 (Hangzhou, China), 5th International Workshop on Systems Safety & Security IWSSS 2017 (Târgovişte), 25th International Joint Conference on Artificial Intelligence IJCAI-16 (New Yor City, SUA), 2016 Annual Conference of the North American Fuzzy Information processing Society NAFIPS'2016 (El Paso, TX, SUA), 4th IFAC International Conference on Intelligent Control and Automation Sciences ICONS 2016 (Reims, Franţa), 2016 IEEE Symposium on Evolving and Autonomous Learning Systems EALS 2016 as part of 2016 IEEE Symposium Series on Computational Intelligence SSCI 2016 (Atena, Grecia), 13th International Conference on Informatics in Control, Automation and Robotics ICINCO 2016 (Lisabona, Portugalia), 20th Jubilee IEEE International Conference on Intelligent Engineering Systems INES 2016 (Budapesta, Ungaria), 11th International Workshop on Enterprise Integration, Interoperability and Networking EI2N 2016 (Rhodes, Grecia), 8th IEEE International Conference on Intelligent Systems IS'16 (Sofia, Bulgaria), 13th International Conference on Distributed Computing and Artificial Intelligence DCAI'16 (Sevilla, Spania), 8th International Conference on Fuzzy Computtion Theory and Applications FCTA 2016 (Porto, Portugalia), 17th International Carpathian Control Conference ICCC'2016 (High Tatras, Slovacia), 8th International Conference on Computational Collective Intelligence ICCCI 2016 (Halkidiki, Grecia), 10th International Symposium on

Intelligent Distributed Computing IDC'2016 (Paris, Franţa), 7th Conference on Cognitive Infocommunications CogInfoCom 2016 (Wroclaw, Polonia), IEEE 14th International Symposium on Intelligent Systems and Informatics SISY 2016 (Subotica, Serbia), XIII International Conference on Systems, Automatic Control and Measurements SAUM 2016 (Nis, Serbia), Seventh International Conference on Sciences of Electronics, Technologies of Information and Telecommunications SETIT 2016 (Hammamet, Tunisia), Third International Afro-European Conference for Industrial Advancement AECIA 2016 (Marrakesh, Maroc), 8th International KES Conference on Intelligent Decision Technologies KES-IDT-16 (Puerto de la Cruz, Tenerife, Spania), 10th International KES Conference on Agents and Multi-Agent Systems: Technologies and Applications KES-AMSTA-16 (Puerto de la Cruz, Tenerife, Spania), 9th International KES Conference on Intelligent Interactive Multimedia: Systems and Services KES-IIMSS-16 (Puerto de la Cruz, Tenerife, Spania), 3rd International Symposium on Big Data and Cloud Computing Challenges ISBCC 2016 (Chennai, India), 4th World Conference on Information Systems and Technologies WorldCist'16 (Recife, PE, Brazilia), 7th EAI International Conference on Big Data Technologies and Applications BDTA 2016 (Seoul, Coreea de Sud), 1st International Symposium on Small-scale Intelligent Manufacturing Systems SIMS 2016 (Narvik, Norvegia), 4th International Conference on Applied Mechanics, Mechatronics and Intelligent System AMMIS 2016 (Beijing, China), 2nd International Conference on Mechanics and Control Engineering MCE 2016 (Guangzhou, China), International Conference on Computers, Data Management and Technology Applications ICCDMTA'2016 (Istanbul, Turcia), International Conference on Advanced Computing and Intelligent Engineering ICACIE 2016 (Bhubaneswar, Odisha, India), 2016 IEEE First International Conference on Control, Measurement and Instrumentation CMI 2016 (Kolkata, India), 5th International Conference on Advances in Computing, Communications and Informatics ICACCI'16 (Jaipur, India), International Conference on Intelligent Cloud Computing ICC 2016 (Wuhan, China), 20th International Conference on System Theory, Control and Computing Joint Conference SINTES 20, SACCS 16, SIMSIS 20 - ICSTCC 2016 (Sinaia), 2016 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2016 (Cluj-Napoca), Artificial Intelligence Track of 18th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing SYNASC 2016 (Timişoara), 2016 IEEE International Symposium on INnovations in Intelligent SysTems and Applications INISTA 2016 (Sinaia), 6th International Conference on Computers Communications and Control IEEE - ICCCC2016 (Oradea), 4th International Workshop on Systems Safety & Security IWSSS 2016 (Ploieşti), 2015 IEEE International Conference on Systems, Man, and Cybernetics SMC 2015 (Hong Kong), IEEE International Syposium on Intelligent Control ISIC 2015 as part of 2015 IEEE Multi-Conference on Systems and Control MSC 2015 (Sydney, Australia), 2nd IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control CESCIT 2015 (Maribor, Slovenia), 2015 Annual Conference of the North American Fuzzy Information processing Society NAFIPS'2015 (Redmond, WA, SUA), 27th IEEE International Conference on Tools with Artificial Intelligence ICTAI 2015 (Vietri sul Mare, Italia), 2015 IEEE International Symposium on INnovations in Intelligent SysTems and Applications INISTA 2015 (Madrid, Spania), 12th International Conference on Informatics in Control, Automation and Robotics ICINCO 2015 (Colmar, Franţa), 2015 IEEE Symposium on Evolving and Autonomous Learning Systems EALS'15 as part of 2015 IEEE Symposium Series on Computational Intelligence SSCI 2015 (Cape Town, Africa de Sud), IEEE 19th International Conference on Intelligent Engineering Systems INES 2015 (Bratislava, Slovacia), 8th International Conference on Evolutionary Multi-Criterion Optimization EMO 2015 (Guimaraes, Portugalia), 6th Conference on Cognitive Infocommunications CogInfoCom 2015 (Győr, Ungaria), 24th International Conference on Systems Engineering ICSE 2015 (Coventry, Anglia), 7th International KES Conference on Intelligent Decision Technologies KES-IDT-15 (Sorrento, Italia), 9th International KES Conference on Agents and Multi-Agent Systems: Technologies and Applications KES-AMSTA-15 (Sorrento, Italia), 8th International KES Conference on Intelligent Interactive Multimedia: Systems and Services KES-IIMSS-15 (Sorrento, Italia), International Conference on Green and Human Information Technology ICGHIT 2015 (Da Nang, Vietnam), XII International Scientific Conference MMA 2015 (Novi Sad, Serbia), First International Conference on Biological Engineering and Gene Technology BEGT 2015 (Shanghai, China), 19th International Conference on System Theory, Control and Computing ICSTCC 2015 (Cheile Gradistei-Fundata Resort), 2014 IEEE International Instrumentation and Measurement Technology Conference I²MTC 2014 (Montevideo, Uruguay), 2014 IEEE International Conference on Fuzzy

Systems FUZZ-IEEE 2014 (Beijing, China), 2014 IEEE Congress on Evolutionary Computation IEEE CEC 2014 (Beijing, China), IEEE International Syposium on Intelligent Control ISIC 2014 as part of 2014 IEEE Multi-Conference on Systems and Control MSC 2014 (Antibes/Nice, Franţa), 11th International Conference on Informatics in Control, Automation and Robotics ICINCO 2014 (Vienna, Austria), 18th Online World Conference on Soft Computing in Industrial Applications WSC 18, IEEE 18th International Conference on Intelligent Engineering Systems INES 2014 (Tihany, Ungaria), 7th IEEE International Conference on Intelligent Systems IS'14 (Warsaw, Polonia), 15th IEEE International Symposium on Computational Intelligence and Informatics CINTI 2014 (Budapest, Ungaria), 5th Conference on Cognitive Infocommunications CogInfoCom 2014 (Vietri sul Mare, Italia), 2014 IEEE International Conference on Tools with Artificial Intelligence ICTAI 2014 (Limassol, Cipru), 6th International Conference on Computational Collective Intelligence Technologies and Applications ICCCI 2014 (Seoul, Korea), 8th International KES Conference on Agents and Multi-agent Systems KES AMSTA 2014 (Chania, Grecia), 6th International Conference on Intelligent Decision Technologies KES IDT 2014 (Chania, Grecia), 7th International KES Conference on Intelligent Interactive Multimedia Systems and Services KES IIMSS 2014 (Chania, Grecia), 3rd International Conference on Advances in Computing, Communications and Informatics ICACCI 2014 (New Delhi, India), 8th International Symposium on Intelligent Distributed Computing IDC'2014 (Madrid, Spania), 2014 UKACC 10th International Conference on Control CONTROL 2014 (Loughborough, Anglia), XII International SAUM Conference on Systems, Automatic Control and Measurements SAUM 2014 (Nis, Serbia), First International Afro-European Conference for Industrial Advancement AECIA 2014 (Addis Ababa, Etiopia), 18th International Conference on System Theory, Control and Computing ICSTCC 2014 (Sinaia), 2013 IEEE International Conference on Systems, Man, and Cybernetics SMC 2013 (Manchester, Anglia), IEEE International Conference on Tools with Artificial Intelligence ICTAI 2013 (Washington, DC, SUA), 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications CIVEMSA 2013 (Milan, Italia), IEEE 17th International Conference on Intelligent Engineering Systems INES 2013 (Costa Rica), 5th IEEE International Symposium on Logistics and Industrial Informatics LINDI 2013 (Wildau, Germania), 7th International Symposium on Intelligent Distributed Computing IDC'2013 (Praga, Republica Cehă), 5th International Conference on Intelligent Decision Technologies KES IDT 2013 (Sesimbra, Portugalia), 6th International Conference on Intelligent Interactive Multimedia Systems and Services KES IIMSS 2013 (Sesimbra, Portugalia), 5th International Conference on Computational Collective Intelligence Technologies and Applications ICCCI 2013 (Craiova), International Conference "Automatics and Informatics'2013" (Sofia, Bulgaria), 17th International Conference on System Theory, Control and Computing ICSTCC 2013 (Sinaia) etc.

- *Preşedinte al comitetului de program* la IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*.

- *Copreşedinte al comitetului de program* la 4th International Symposium on Applied Computational Intelligence and Informatics SACI 2007 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*, 6th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2011 (Timişoara), cu lucrările indexate în *IEEE Xplore* şi INSPEC, 7th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2012 (Timişoara), cu lucrările indexate în *IEEE Xplore* şi INSPEC, 8th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2013 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*, 9th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2014 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*, 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015 (Timişoara), şi 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*.

- *Membru al Steering Committee* la 8th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2013 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*, 9th IEEE International

Symposium on Applied Computational Intelligence and Informatics SACI 2014 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*, 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015 (Timişoara) şi 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016 (Timişoara), cu lucrările indexate în *Clarivate Analytics Conference Proceedings Citation Index*.

- *Preşedinte al Track TT05: Mechatronics, Industrial Automation and Control*, împreună cu Prof. Seta Bogosyan (University of Alaska-Fairbanks, Fairbanks, AK, USA), în cadrul 13th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2012 (Brasov cu lucrările indexate în IEEE Xplore şi INSPEC.

- *Preşedinte al Track VII: Cognition*, împreună cu Assoc. Prof. Claudiu Pozna (Szechenyi Istvan University, Gyor, Hungary + Universitatea Transilvania din Braşov), în cadrul 3rd IEEE International Conference on Cognitive Infocommunications CogInfoCom 2012 (Kosice, Slovakia), cu lucrările indexate în IEEE Xplore şi INSPEC.

- *Copreşedinte al comitetului de program* la 1st Romanian-Hungarian Joint Symposium on Applied Computational Intelligence SACI 2004 (Timişoara).

- Referent la reviste (http://www.aut.upt.ro/~rprecup/review.html): Automatica (Elsevier Science), IEEE Transactions on Cybernetics, Fuzzy Sets and Systems (Elsevier Science), IEEE Transactions on Fuzzy Systems, IEEE Transactions on Systems, Man, and Cybernetics, IEEE Transactions on Industrial Electronics, IEEE Computational Intelligence Magazine, IEEE Transactions on Industrial Informatics, IEEE/ASME Transactions on Mechatronics, IEEE Transactions on Automation Science and Engineering, Computers in Industry (Elsevier Science), IEEE Transactions on Instrumentation and Measurement, Information Sciences (Elsevier Science), Engineering Applications of Artificial Intelligence (Elsevier Science), Applied Soft Computing (Elsevier Science), Mechatronics (Elsevier Science), Knowledge-Based Systems (Elsevier Science), Expert Systems with Applications (Elsevier Science), International Journal of Systems Science (Taylor & Francis), Journal of Guidance, Control, and Dynamics (The American Institute of Aeronautics and Astronautics, AIAA), Transportation Research Part C (Elsevier Science), Industrial & Engineering Chemistry Research (American Chemical Society), Information Fusion (Elsevier Science), Robotics and Computer-Integrated Manufacturing (Elsevier Science), Digital Signal Processing (Elsevier Science), Computer Methods and Programs in Biomedicine (Elsevier Science), Environmental Modelling & Software (Elsevier Science), Robotics and Autonomous Systems (Elsevier Science), IEEE Transactions on Education, Engineering Optimization (Taylor & Francis), Journal of Industrial and Engineering Chemistry (Elsevier Science), Chemical Engineering Science (Elsevier Science), Environmental Science and Pollution Research (Springer-Verlag), Journal of Environmental Science and Health, Part A (Taylor & Francis), Journal of Chemometrics (John Wiley and Sons), ISA Transactions (Elsevier Science), Asian Journal of Control (Wiley InterScience), Chemical Engineering and Processing: Process Intensification (Elsevier Science), Bioprocess and Biosystems Engineering (Springer-Verlag), Advances in Engineering Software (Elsevier Science), Fuzzy Optimization and Decision Making (Springer-Verlag), Soft Computing (Springer-Verlag), International Journal of Electrical Power and Energy Systems (Elsevier Science), Simulation Modelling Practice and Theory (Elsevier Science), Computers and Mathematics with Applications (Elsevier Science), Theoretical Computer Science (Elsevier Science), Artificial Intelligence in Medicine (Elsevier Science), International Journal of Adaptive Control and Signal Processing (John Wiley and Sons), SIAM Journal on Matrix Analysis and Applications, Journal of Dynamic Systems, Measurement, and Control (ASME), Journal of Computational and Nonlinear Dynamics (ASME), IET Control Theory & Applications (The Institution of Engineering and Technology, UK), IET Generation, Transmission & Distribution (The Institution of Engineering and Technology, UK), Journal of Biotechnology (Elsevier Science), International Journal of Control, Automation, and Systems (Institute of Control, Robotics and Systems, Korean Institute of Electrical Engineers and Springer-Verlag), Neurocomputing (Elsevier Science), Ocean Engineering (Elsevier Science), International Journal of Electronics (Taylor & Francis), International Journal of Automation and Computing (Springer-Verlag) etc.

- Referent la conferinţe vizibile (http://www.aut.upt.ro/~rprecup/review.html): 2018 American Control Conference, European Control Conference ECC 2018, 56th IEEE Conference on Decision and Control CDC 2017, 20th World Congress of International Federation of Automatic Control IFAC 2017, 19th World Congress of International

Federation of Automatic Control IFAC 2014, European Control Conference ECC 2014, 2014 IEEE International Instrumentation and Measurement Technology Conference I²MTC 2014, 17th International IEEE Conference on Intelligent Transportation Systems ITSC 2014, IEEE Symposium Series on Computational Intelligence SSCI 2014, 2014 IEEE/ASME International Conference on Advanced Intelligent Mechatronics AIM 2014, 22nd Mediterranean Conference on Control & Automation MED'2014, 2014 IEEE International Conference on Compumptional Intelligence and Virtual Environments for Measurement Systems and Applications CIVEMSA 2014, 2014 IEEE International Symposium on INnovations in Intelligent SysTems and Applications INISTA 2014, 2014 IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2014, 2013 IEEE Multi-Conference on Systems and Control MSC 2013, 2013 International Joint Conference on Neural Networks IJCNN 2013, 39th Annual Conference of the IEEE Industrial Electronics Society IECON 2013, 2013 IEEE International Instrumentation and Measurement Technology Conference I²MTC 2013, 10th IFAC Symposium on Advances in Control Education ACE 2013, 2nd IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Systems ICPS'13, 51st IEEE Conference on Decision and Control CDC 2012, 2012 International Joint Conference on Neural Networks IJCNN 2012, 18th World Congress of International Federation of Automatic Control IFAC 2011, 2011 IEEE International Instrumentation and Measurement Technology Conference I²MTC 2011, 9th IEEE International Conference on Control & Automation ICCA'11, 2011 International Conference on Communications, Computing and Control Applications CCCA'11, American Control Conference 2010, 2010 IEEE International Conference on Systems, Man, and Cybernetics SMC 2010, 2010 IEEE International Instrumentation & Measurement Technology Conference I²MTC 2010, IEEE International Symposium on Industrial Electronics ISIE 2010, 8th IEEE International Conference on Control & Automation ICCA2010, 9th IFAC Workshop on Time Delay Systems IFAC - TDS 2010, 22th International Conference on Tools with Artificial Intelligence ICTAI 2010, 2010 Conference on Control and Fault-Tolerant Systems SysTol'10, IFAC Workshop on Intelligent Control Systems WICS2010, 3rd IEEE International Symposium on Resilient Control Systems ISRCS 2010, 3rd International Conference on Human System Interaction HSI '10 etc.

	AUTOEVALUARE				
Competenţă digitală	Procesarea informaţiei	Comunicare	Creare de conţinut	Securitate	Rezolvarea de probleme
	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
Competenţele digitale - Grilă de auto-evaluare

▪ O bună stăpânire a MS Office, Matlab & Simulink dobândită în activităţile de cercetare, didactice şi responsabilităţi.

Alte competenţe
- A se vedea http://www.aut.upt.ro/~rprecup/
- Colaborări internaţionale: Université de Savoie, Franţa, din 2002 (Prof. Laurent Foulloy şi echipa sa) în sisteme de conducere fuzzy. University of Ottawa, Canada, din 2007 (Prof. Emil M. Petriu şi echipa sa) în soft computing şi prelucrarea matematică a semnalelor. University of Ljubljana, Slovenia, din 2007 (Prof. Igor Škrjanc, Prof. Sašo Blažič şi echipele lor) în sisteme de conducere fuzzy. Budapest University of Technology and Economics (BME), Ungaria, din 2003 (Acad. István Nagy, Prof. Péter Korondi şi echipele lor) în algoritmi de reglare pentru roboţi mobile funcţionând în spaţiu inteligent. Óbuda University (cu denumirea veche Budapest Tech Polytechnical Institution, BMF), Budapesta, Ungaria, din 2003 (Prof. Imre J. Rudas, Prof. János Fodor şi echipa lor) în sisteme fuzzy.
- Cooperare din 1992 cu firme multinaţionale din România şi SUA în modelarea, identificarea şi optimizarea sistemelor şi reglarea turaţiei hidrogeneratoarelor.
- Preşedinte şi copreşedinte de sesiune la manifestări ştiinţifice de prestigiu (http://www.aut.upt.ro/~rprecup/chair.html): 26th Mediterranean Conference on Control and Automation MED'18 (Zadar, Croaţia), 2017 IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2017 (Ljubljana, Slovenia), XIII

International SAUM Conference on Systems, Automatic Control and Measurements SAUM 2016 (Nis, Serbia), 2014 IEEE Multi-Conference on Systems and Control MSC 2014 (Antibes, Franţa), IEEE International Conference on Cybernetics CYBCONF 2013 (Lausanne, Elveţia), 17th International Conference on System Theory, Control and Computing ICSTCC 2013 (Sinaia), 16th International Conference on System Theory, Control and Computing ICSTCC 2012 (Sinaia), 18th World Congress of International Federation of Automatic Control IFAC 2011 (Milano, Italia), 15th International Conference on System Theory, Control and Computing ICSTCC 2011 (Sinaia), 15th Online World Conference on Soft Computing in Industrial Applications WSC15, Xth Triennial International SAUM Conference on Systems, Automatic Control and Measurements SAUM 2010 (Nis, Serbia), 11th International Conference on Intelligent Engineering Systems INES 2007 (Budapesta, Ungaria), Third IFAC Workshop on Advanced Fuzzy and Neural Control AFNC 07 (Valenciennes, Franţa), 4th IFAC Conference on Management and Control of Production and Logistics IFAC MCPL 2007 (Sibiu), 16th World Congress of International Federation of Automatic Control IFAC 2005 (Praga, Republica Cehă), 6th International Conference "Control of Power Systems'04", Strbske Pleso (High Tatras, Slovacia), 3rd International Conference on Global Research and Education in Intelligent Systems INTER-ACADEMIA 2004 (Budapesta, Ungaria), 14th World Congress of International Federation of Automatic Control IFAC'99 (Beijing, China), Second International Conference on Applications of Fuzzy Systems ICAFS'96 (Siegen, Germania), 15th International Conference on System Theory, Control and Computing ICSTCC 2011 (Sinaia), 14th International Conference on System Theory and Control ICTSC 2010 (Sinaia), 12th Symposium on Modeling, Simulation and Systems' Identification SIMSIS 12 (Galaţi, 2004), 7th Symposium on Automatic Control and Computer Science SACCS'2001 (Iaşi), 4th IFAC Conference on System Structure and Control SSC'97 (Bucureşti), Third International Conference on Development & Application Systems D & AS '96 (Suceava), Conferinţele Internaţionale CONTI'94, CONTI'96, CONTI'98, CONTI'2000, CONTI'2002, CONTI'2004, CONTI'2006, CONTI'2008 şi ICCC-CONTI 2010 (Timişoara) etc.

- Acceptat începând cu 2003 în baza de date conţinând experţi pentru Programul Cadru 6 al Uniunii Europene.

- 2004-2018: referent la 47 de teze de doctorat în Belgia, Franţa, Italia şi România (http://www.aut.upt.ro/~rprecup/doctcom.html).

- *Membru în 11 comisii de abilitare* (http://www.aut.upt.ro/~rprecup/habcom.html): preşedinte al comisiei de abilitare a candidatului dr. ing. Silviu-Corneliu Folea, cu teza de abilitare "Senzori wireless şi sisteme înglobate în controlul proceselor" în domeniul Ingineria Sistemelor, susţinută la Universitatea Tehnică din Cluj-Napoca în 2017, preşedinte al comisiei de abilitare a candidatului dr. ing. Vlad Mureşan, cu teza de abilitare "Realizări ştiinţifice în domeniul modelării, simulării şi controlului proceselor industriale" în domeniul Ingineria Sistemelor, susţinută la Universitatea Tehnică din Cluj-Napoca în 2017, preşedinte al comisiei de abilitare a candidatului dr. ing. Marius Cioca, cu teza de abilitare "Cercetări şi rezultate în ingineria sistemelor" în domeniul Ingineria Sistemelor, susţinută la Universitatea din Petroşani în 2017, preşedinte al comisiei de abilitare a candidatului dr. ing. Ion-Lucian Buşoniu, cu teza de abilitare "Optimistic planning for nonlinear optimal control and networked systems" în domeniul Ingineria Sistemelor, susţinută la Universitatea Tehnică din Cluj-Napoca în 2015, preşedinte al comisiei de abilitare a candidatului dr. Ion Necoară, cu teza de abilitare "Coordinate descent methods for sparse optimization: Engineering applications" în domeniul Ingineria Sistemelor, susţinută la Universitatea Politehnica din Bucureşti în 2014, membru în comisia de abilitare a candidatului dr. ing. Dan Selişteanu, cu teza de abilitare "Research and achievements in modelling and control of bioprocesses" în domeniul Ingineria Sistemelor, susţinută la Universitatea din Craiova în 2016, membru în comisia de abilitare a candidatei dr.ing. Monica Drăgoicea, cu teza de abilitare "Advances in service systems engineering: a modelling and simulation approach" în domeniul Ingineria Sistemelor, susţinută la Universitatea Politehnica din Bucureşti în 2016, membru în comisia de abilitare a candidatului dr. ing. Ciprian Gabriel Lupu, cu teza de abilitare "Metode, structuri şi strategii de proiectare şi implementare hardware şi software a sistemelor de conducere în timp real pentru procesele neliniare mono şi multivariabile" în domeniul Ingineria Sistemelor, susţinută la Universitatea Politehnica din Bucureşti în 2016, membru în comisia de abilitare a candidatei dr. ing. Eva-Henrietta Dulf, cu teza de abilitare "Abordări evoluate destinate controlului proceselor neconvenţionale" în domeniul Ingineria Sistemelor, susţinută la Universitatea Tehnică din Cluj-Napoca în 2015, membru în comisia de abilitare a candidatului dr. ing. Constantin-Bălă

Zamfirescu, cu teza de abilitare "Advances in engineering social-cyber-physical systems" în domeniul Calculatoare şi Tehnologia Informaţiei, susţinută la Universitatea "Lucian Blaga" din Sibiu în 2015, membru în comisia de abilitare a candidatei dr. ing. Monica Leba, cu teza de abilitare "Computers for control: from industrial processes to innovative systems" în domeniul Ingineria Sistemelor, susţinută la Universitatea din Craiova în 2015.

- Membru al comisiilor de acordare a titlurilor de Doctor Honoris Causa către: Prof. Imre J. Rudas (decernat de Universitatea "Politehnica" din Timişoara în 2005), Acad. Prof. József Bokor (decernat de Universitatea "Politehnica" din Timişoara în 2007), Prof. Robin De Keyser (decernat de Universitatea Tehnică "Gh. Asachi" din Iaşi în 2007), Prof. János Fodor (decernat de Universitatea "Politehnica" din Timişoara în 2010), Prof. Hamido Fujita (preşedinte al comisiei, titlu decernat de Universitatea Politehnica Timişoara în 2018), Dr. Attila Michael Bilgic (preşedinte al comisiei, titlu decernat de Universitatea Politehnica Timişoara în 2018).

- *Vizite academice de lungă durată* (cercetare şi didactice, http://www.aut.upt.ro/~rprecup/visits.html): Februarie 2003: profesor invitat (Invited Professor) în Franţa, Université de Savoie, École Supérieure d'Ingénieurs d'Annecy, LISTIC (cercetare). Noiembrie 2004-octombrie 2009: Ungaria, Budapest Tech Polytechnical Institution, John von Neumann Faculty of Informatics (cercetare şi didactice). Aprilie 1999-decembrie 1999: Austria, Vienna University of Technology, Institute for Handling Devices and Robotics (didactice). Iulie 2003-septembrie 2005: Ungaria, Budapest University of Technology and Economics, Department of Automation and Applied Informatics (cercetare).

Permis de conducere   Categoria de vehicule B, obţinut în 1991.

INFORMATII SUPLIMENTARE

Publicaţii
Prezentări   Adresa profilului meu pe researcherid.com:
Proiecte
Conferinţe   - http://www.researcherid.com/rid/A-6993-2009.
Seminarii   Adresa mea de Open Researcher & Contributor ID (ORCID):
Distincţii
Afilieri   - https://orcid.org/0000-0002-2060-7403.
Referinţe   - O carte publicată în 1997 la Editura Tehnică (Bucureşti), zece cărţi publicate în 1999-
Citări   2009 la Editura Orizonturi Universitare (Timişoara) şi trei cărţi publicate în 2001-2012
Cursuri   la Editura Politehnica (Timişoara) (http://www.aut.upt.ro/~rprecup/books.html).
Certificări
- Editor al cărţii Applied Computational Intelligence in Engineering and Information Technology, editori: R.-E. Precup, Sz. Kovács, St. Preitl, E. M. Petriu, prima carte în noua serie Springer-Verlag intitulată Topics in Intelligent Engineering and Informatics (Editors-in-Chief: I. J. Rudas and J. Fodor), Springer-Verlag, Berlin, Heidelberg, New York, 356 pp., 2012 (http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-28304-8).

- 24 capitole de carte în Springer-Verlag, Kluwer Academic Publishers şi Atlantis Press (http://www.aut.upt.ro/~rprecup/bookch.html).

- 77 lucrări ştiinţifice publicate în reviste cu factor de impact Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge) (http://www.aut.upt.ro/~rprecup/isijournals.html): Automatica, IEEE Transactions on Cybernetics, IEEE Transactions on Neural Networks, IEEE Transactions on Neural Networks and Learning Systems, IEEE Transactions on Industrial Electronics, IEEE/ASME Transactions on Mechatronics, Information Sciences, IEEE Transactions on Industrial Informatics, Expert Systems with Applications, Fuzzy Sets and Systems, ISA Transactions, Computers in Industry, Engineering Applications of Artificial Intelligence, Applied Soft Computing, Journal of The Franklin Institute, Robotics and Autonomous Systems, Asian Journal of Control, Mathematics and Computers in Simulation, Knowledge-Based Systems, IEEE Transactions on Education, IEEE Systems Journal, International Journal of Systems Science, International Journal of General Systems, Acta Astronautica, IET Control Theory & Applications, Neurocomputing, Electrical Engineering, Journal of Aerospace Information Systems, etc., în Elsevier Science, Springer-Verlag, John Wiley and Sons, Taylor & Francis, The American Institute of Aeronautics and Astronautics etc.

- Două lucrări de tip *Highly Cited Paper* conform Clarivate Analytics Web of Science în ianuarie/februarie 2018 şi noiembrie/decembrie 2015

(http://www.aut.upt.ro/~rprecup/CiI_2011_Highly_Cited_Paper.jpg, http://www.aut.upt.ro/~rprecup/KBS_2013_Highly_Cited_Paper.jpg).

- O lucrare de tip *Hot Paper* conform Clarivate Analytics Web of Science în noiembrie/decembrie 2015 (http://www.aut.upt.ro/~rprecup/CiI_2015_Hot_Paper.jpg).
- 44 lucrări ştiinţifice publicate în reviste de specialitate din străinătate sau în publicaţii asimilabile revistelor sub egida unor organizaţii profesionale internaţionale (http://www.aut.upt.ro/~rprecup/journals.html).
- *Factor de impact (impact factor, IF) Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge) cumulat = 138.798, IF cumulat calculat conform 2017 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2018 = 225.504* (http://www.aut.upt.ro/~rprecup/isijournals.html, IF al celor mai bine cotate reviste din domeniul meu este aproximativ 3).
- Peste 50 lucrări ştiinţifice publicate în reviste de specialitate din ţară.
- Peste 150 lucrări ştiinţifice prezentate şi publicate în volumele unor manifestări ştiinţifice din străinătate (http://www.aut.upt.ro/~rprecup/confe.html) în Africa de Sud, Austria, Anglia, Brazilia, Bulgaria, Canada, Cehia, China, Cipru, Croaţia, Elveţia, Franţa, Germania, Grecia, Egipt, Italia, Malta, Moldova, Polonia, Portugalia, Rusia, Serbia, Slovacia, Slovenia, Spania, SUA, Tunisia, Turcia, Ungaria, Zambia.
- Peste 100 lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice organizate în România, în cadrul cărora 50 lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice internaţionale organizate în România (cu referenţi ştiinţifici) şi redactate integral într-o limbă de circulaţie internaţională.
- 43 granturi şi contracte de cercetare-dezvoltare directe cu terţi, cu Ministerul Învăţământului, CNCSU, CNCSIS, CNCS, UEFISCDI şi Academia Română, dintre care 31 câştigate prin competiţie, la şapte granturi şi contracte fiind director de proiect, la patru fiind responsabil de proiect al partenerului Universitatea Politehnica Timişoara.
- Un grant de cercetare internaţională (director) în 2008-2009 cu Universitatea din Ljubljana (Slovenia).
- Trei granturi de cercetare internaţională (colaborator) în perioada 2003-2009: unul cu Universitatea Tehnică şi Economică din Budapesta (Ungaria) şi două cu Budapest Tech Polytechnical Institution.
- *4716 citări, indice Hirsch (h-index) = 40 şi indice Egghe (g-index) = 57* conform Harzing, A.W. (2007) Publish or Perish, disponibil la link-ul http://www.harzing.com/pop.htm, *4576 citări, h-index = 41 şi i10-index = 88* conform Scholar Google, disponibil la link-ul http://scholar.google.com/citations?user=a43tQMQAAAAJ&hl=en, la 29 august 2018.
- *3165 citări în lucrări Scopus* ale celor 305 lucrări proprii indexate în Scopus, *h-index = 32* conform Scopus, disponibil la link-ul http://www.scopus.com/authid/detail.url?authorId=56234853500, la 29 august 2018.
- *2244 citări în lucrări Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge)* ale celor 240 lucrări proprii indexate în Clarivate Analytics Web of Science, appreciate cu *h-index = 31* conform Clarivate Analytics Web of Science, disponibil la link-ul http://www.researcherid.com/rid/A-6993-2009, la 29 august 2018.
- *h-index = 29* (sunt excluse autocitările tuturor coautorilor), *h-index = 27* (sunt excluse autocitările tuturor coautorilor) conform Scopus (a se vedea rezultatele prezentate sintetic la link-ul http://www.scopus.com/authid/detail.url?authorId=56234853500), *h-index = 23* (sunt excluse autocitările tuturor coautorilor) conform Clarivate Analytics Web of Science.
- Factor de impact (impact factor, IF) Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge) cumulat al citărilor independente: 574.685, IF cumulat al citărilor independente calculat conform 2013 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2014: 623.687 (IF al celor mai bine cotate reviste din domeniul meu este aproximativ 3).
- Peste 2500 citări independente (http://www.aut.upt.ro/~rprecup/cita.html).
- 1998-2017: nouă lucrări şi prelegeri invitate (http://www.aut.upt.ro/~rprecup/invite.html).
- Din anul 2002 sunt membru al Comitetului Tehnic International Federation of Automatic Control (IFAC) "Computational Intelligence in Control" (cu denumirea veche "Cognition and Control").
- Din anul 2003 sunt membru al Control Systems Society din cadrul Institute of

Electrical and Electronics Engineers (IEEE), din anul 2003 sunt membru al Intelligent Transportation Systems Society, din anul 2010 sunt membru al Computational Intelligence Society, din anul 2011 sunt membru al Industrial Electronics Society iar din anul 2007 sunt Senior Member, IEEE.

- Din anul 2013 sunt membru al Task Force on Autonomous Learning Systems within the Neural Networks Technical Committee of the IEEE Computational Intelligence Society.
- Din anul 2014 sunt membru al Technical Committee on Computational Cybernetics of the IEEE Systems, Man, and Cybernetics Society.
- Din anul 2016 sunt membru al Technical Committee on Cyber-Medical Systems of the IEEE Systems, Man, and Cybernetics Society.
- Din anul 2008 sunt membru al Technical Committee on Virtual Systems in Measurements of the IEEE Instrumentation & Measurement Society.
- Din anul 2007 sunt membru al Subcommittee on Computational Intelligence of the Technical Committee on Control, Robotics and Mechatronics of the IEEE Industrial Electronics Society.
- Din anul 2008 sunt membru al Task Force on Educational Aspects of Standards of Computational Intelligence of the Technical Committee on Standards of the IEEE Computational Intelligence Society.
- Din anul 2011 sunt membru al The Working Group WG 12.9 on Computational Intelligence of the Technical Committee TC12 on Artificial Intelligence of the International Federation for Information Processing (IFIP).
- Din anul 2010 sunt membru al European Society for Fuzzy Logic and Technology (EUSFLAT).
- Din anul 2005 sunt membru onorific al Hungarian Fuzzy Association.
- Din anul 1993 sunt membru al Societăţii Române de Automatică şi Informatică Tehnică (SRAIT).
- Din anul 1996 sunt membru al Societăţii de Instalaţii Electrice şi Automatizări din România (SIEAR).
- *Membru corespondent al Academiei Române* (din 2018).
- *Membru corespondent al Academiei de Ştiinţe Tehnice din România* (din 2018).
- Premiat cu Elsevier Scopus Award for Excellence in Global Contribution (2017).
- Premiul Grigore Moisil al Academiei Române, 2014, acordat în 2016, pentru Contribuţii la optimizarea sistemelor fuzzy.
- Premiul Grigore Moisil al Academiei Române, 2003, acordat în 2005, pentru Contribuţii la dezvoltarea conducerii FUZZY a proceselor.
- Premiul Spiru Haret al Marii Loji Naţionale din România, acordat în 2016 în parteneriat cu Academia Română, pentru Educaţie, mediu, IT.
- Inclus în lista Top 10 researchers in Artificial Intelligence and Automation (conform listei publicate de IIoT World în iulie 2017).
- Premiat cu Certificate of Outstanding Reviewer from IEEE Transactions on Cybernetics in recognition of an outstanding contribution to the journal (2017).
- Profesor onorific al Óbuda University (cu denumirea veche Budapest Tech Polytechnical Institution), Budapesta, Ungaria (din 2007).
- Profesor Bologna (2017) din partea Alianţei Naţionale a Organizaţiilor Studenţeşti din România (ANOSR).
- Senior Member, IEEE (din 2007).
- Premiat cu Certificate of Appreciation from the IEEE Romania Section in grateful recognition of 10 years of service as an IEEE member (2015).
- Premiul Excelenţei în Cercetare pe anul 2015 din partea Universităţii Politehnica Timişoara (UPT) pentru activitatea de cercetare avansată în domeniul Controllers, Control, Tuning, plasat conform măsurătorilor Scopus pe locul locul I în lume şi pentru contribuţia de excepţie adusă astfel vizibilităţii UPT pe plan internaţional.
- Premiul Traian Vuia pentru Ştiinţe Ingfinereşti la Gala Excelenţei Bănăţene, Ediţia-II 2015.
- Nominalizare la Best Paper Award la 12th International Conference on Informatics in Control, Automation and Robotics ICINCO 2015 (Colmar, Franţa).
- Premiat cu Certificate of Appreciation for the Best Paper in the Session TT07 1 Control Theory la 39th Annual Conference of the IEEE Industrial Electronics Society

IECON 2013 (Viena, Austria).

- Premiat cu Best Paper Award la 16th Online World Conference on Soft Computing in Industrial Applications WSC16 (Loughborough University, Anglia, 2011).
- Premiat cu Certificate of Achievement from the IEEE Romania Section for notable services and contributions towards the advancement of the engineering professions (2011).
- Premiat cu Best Paper Award in the Area of Intelligent Control (două lucrări) la 2008 Conference on Human System Interaction HSI 2008, Krakow (Polonia).
- Premiat cu Diplomă din partea Facultăţii de Automatică şi Calculatoare, acordată la Timişoara în 2006, pentru merite deosebite în cercetarea ştiinţifică valorificată prin publicaţii.
- Premiat cu Diplomă de Excelenţă din partea Facultăţii de Automatică şi Calculatoare, acordată la Timişoara în 2005, pentru performanţe deosebite obţinute în activitatea desfăşurată în cadrul Facultăţii de Automatică şi Calculatoare.
- Premiat cu Excellency Diploma la International Conference on Automation, Quality & Testing, Robotics AQTR 2004 (THETA 14, Cluj-Napoca).

Referinţe la cerere pot oferi:

- Prof.dr.ing. Stefan Preitl, Departamentul de Automatică şi Informatică Aplicată.
- Prof.dr.ing. Octavian Proştean, Departamentul de Automatică şi Informatică Aplicată.

ANEXE

▪ Anexa 1. Lista selectivă a lucrărilor publicate de prof.dr.ing. Radu-Emil Precup.
▪ Anexa 2. Lista granturilor de cercetare coordonate de prof.dr.ing. Radu-Emil Precup.

12.09.2018   *Prof.dr.ing. Radu-Emil Precup*

ANEXA 1. LISTA SELECTIVĂ A LUCRĂRILOR PUBLICATE DE PROF.DR.ING. RADU-EMIL PRECUP
http://www.aut.upt.ro/~rprecup/public.html

A) Cărţi (http://www.aut.upt.ro/~rprecup/books.html):
1. R.-E. Precup, Sz. Kovács, St. Preitl and E. M. Petriu, Eds., Applied Computational Intelligence in Engineering and Information Technology, the first book in the new Springer-Verlag series on Topics in Intelligent Engineering and Informatics (Editors-in-Chief: I. J. Rudas and J. Fodor), **Springer-Verlag**, Berlin, Heidelberg, New York, 356 pp., 2012.
2. Kovács, R.-E. Precup, B. Paláncz and L. Kovács, Modern Numerical Methods in Engineering (in English), Editura Politehnica Publishers, Timisoara, 482 pp., 2012.
3. St. Preitl, R.-E. Precup and Zs. Preitl, Process Control Structures and Algorithms, vol. 1 (in Romanian: Structuri si algoritmi pentru conducerea automata a proceselor, vol. 1), Editura Orizonturi Universitare Publishers, Timisoara, 214 pp., 2009.
4. St. Preitl, R.-E. Precup and Zs. Preitl, Process Control Structures and Algorithms, vol. 2 (in Romanian: Structuri si algoritmi pentru conducerea automata a proceselor, vol. 2), Editura Orizonturi Universitare Publishers, Timisoara, 272 pp., 2009.
5. St. Preitl and R.-E. Precup, Eds., Design Techniques for Automatic Control Structures. Applications (in Romanian: Tehnici de proiectare a structurilor de reglare automata. Aplicatii), Editura Orizonturi Universitare Publishers, 107 pp., 2008.
6. R.-E. Precup, Computer Assisted Mathematics. Algorithms (in Romanian: Matematici asistate de calculator. Algoritmuri), Editura Orizonturi Universitare Publishers, 231 pp., 2007.
7. St. Preitl and R.-E. Precup, Eds., Controllers for Servo Systems: Design Methods (in Romanian: Regulatoare pentru servosisteme: metode de proiectare), Editura Orizonturi Universitare Publishers, Timisoara, 128 pp., 2007.
8. St. Preitl and R.-E. Precup, Elements of Automatic Control. Applications to Voltage and Speed Control Systems of Synchronous Generators (in Romanian: Elemente de reglare automata. Aplicatii la sistemele de reglare automata a excitatiei si vitezei generatoarelor sincrone), Editura Orizonturi Universitare Publishers, Timisoara, 304 pp., 2005.
9. R.-E. Precup, L. Dragomir and I. Bulavitchi, Computer Assisted Mathematics. Applications (in Romanian: Matematici asistate de calculator. Aplicatii), Editura Politehnica Publishers, Timisoara, 298 pp., 2002.
10. St. Preitl and R.-E. Precup, Introduction to Control Engineering (in Romanian: Introducere in ingineria reglarii automate), Editura Politehnica Publishers, Timisoara, 334 pp., 2001.
11. St. Preitl and R.-E. Precup, Automatic Control (in Romanian: Automatizari), Editura Orizonturi Universitare Publishers, Timisoara, 206 pp., 2001.
12. R.-E. Precup, Solutions for Fuzzy Control of Non-minimum Phase Systems. Applications to Hydrogenerators Control (in Romanian: Solutii de conducere fuzzy a sistemelor cu faza neminima. Aplicatii la conducerea hidrogeneratoarelor), Editura Orizonturi Universitare Publishers, Timisoara, 124 pp., 2000.
13. St. Preitl and R.-E. Precup, Elements of Methodics of Teaching Courses of Automation and Computer Science (in Romanian: Elemente de metodica predarii disciplinelor de automatica si calculatoare), Editura Orizonturi Universitare Publishers, Timisoara, 144 pp., 1999.
14. R.-E. Precup, and St. Preitl, Fuzzy Controllers (in English), Editura Orizonturi Universitare Publishers, Timisoara, 212 pp., 1999.
15. St. Preitl and R.-E. Precup, Introduction to Fuzzy Control (in Romanian: Introducere in conducerea fuzzy a proceselor), Editura Tehnica Publishers, Bucharest, 151 pp., 1997.

B) Capitole de carte (http://www.aut.upt.ro/~rprecup/bookch.html):
1. R.-E. Precup and R.-C. David, Nature-Inspired Optimization of Fuzzy Controllers and Fuzzy Models, Chapter 20 in Handbook on Computational Intelligence, P. P. Angelov, Ed., World Scientific, Singapore, Volume 2: Evolutionary Computation, Hybrid Systems, and Applications, pp. 697-729, 2016.
2. St. Preitl, R.-E. Precup, Zs. Preitl, A.-I. Stînean, C.-A. Dragoş and M.-B. Rădac, Pragmatic Design Methods Using Adaptive Controller Structures for Mechatronic Applications with Variable Parameters and Working Conditions, in: Complex Systems, G. M. Dimirovski, Ed., Studies in Systems, Decision and Control, vol. 55 (Springer International Publishing), pp. 619-647, 2016.
3. R.-E. Precup, E.-I. Voişan, E. M. Petriu, M.-B. Rădac and L.-O. Fedorovici, Gravitational Search Algorithm-Based Evolving Fuzzy Models of a Nonlinear Process, in: Informatics in Control, Automation and Robotics, J. Filipe, K. Madani, O. Gusikhin and J. Sasiadek, Eds., Lecture Notes in Electrical Engineering, vol. 383 (Springer International Publishing), pp. 51-62, 2016.
4. R.-C. Roman, M.-B. Rădac, R.-E. Precup and E. M. Petriu, Virtual Reference Feedback Tuning of MIMO Data-Driven Model-Free Adaptive Control Algorithms, in: Technological Innovation for Cyber-Physical Systems, L. M. Camarinha-Matos, A. J. Falcão, N. Vafaei and S. Najdi, Eds., IFIP Advances in Information and Communication Technology, vol. 470 (Springer International Publishing), pp. 253-260, 2016.
5. R.-C. David, R.-E. Precup, E. M. Petriu, St. Preitl, M.-B. Rădac and L.-O. Fedorovici, Adaptive Evolutionary Optimization Algorithms for Simple Fuzzy Controller Tuning Dedicated to Servo Systems, in: Fuzzy Modeling and Control: Theory and Applications, F. Matía, G. N. Marichal and E. Jiménez, Eds., Atlantis Computational Intelligence Systems, vol. 9 (Atlantis Press and Springer-Verlag), pp. 159-173, 2014.
6. St. Preitl, R.-E. Precup, Z. Preitl, A.-I. Stînean, M.-B. Rădac and C.-A. Dragoş, Control Algorithms for Plants Operating Under Variable Conditions, Applications, in: Advances in Soft Computing, Intelligent Robotics and Control, J. Fodor and R. Fuller, Eds., Topics in Intelligent Engineering and Informatics, vol. 8 (Springer-Verlag), pp. 3-39, 2014.
7. R.-C. David, R.-B. Grad, R.-E. Precup, M.-B. Rădac, C.-A. Dragoş and E. M. Petriu, An Approach to Fuzzy Modeling of Anti-lock Braking Systems, in: Soft Computing in Industrial Applications, V. Snášel, P. Krömer, M. Köppen and G. Schaefer, Eds., Advances in Intelligent Systems and Computing, vol. 223 (Springer-Verlag), pp. 83-93, 2014.
8. A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş and M.-B. Rădac, Classical and Fuzzy Approaches to 2-DOF Control Solutions for BLDC-m Drives, in: Intelligent Systems: Models and Applications, E. Pap, Ed., Topics in Intelligent Engineering and Informatics,

vol. 3 (Springer-Verlag), pp. 175-193, 2013.

9. R.-E. Precup, F.-C. Enache, M.-B. Rădac, E. M. Petriu, St. Preitl and C.-A. Dragoş, Lead-Lag Controller-Based Iterative Learning Control Algorithms for 3D Crane Systems, in: Aspects of Computational Intelligence: Theory and Applications, L. Madarász and J Živčák, Eds., Topics in Intelligent Engineering and Informatics, vol. 2 (Springer-Verlag), pp. 25-38, 2013.

10. St. Preitl, A.-I. Stînean, R.-E. Precup, C.-A. Dragoş and M.-B. Rădac, 2-DOF and Fuzzy Control Extensions of Symmetrical Optimum Design Method: Applications and Perspectives, in: Applied Computational Intelligence in Engineering and Information Technology, R.-E. Precup, Sz. Kovács, St. Preitl and E. M. Petriu, Eds., Topics in Intelligent Engineering and Informatics, vol. 1 (Springer-Verlag), pp. 19-37, 2012.

11. R.-C. David, R.-E. Precup, St. Preitl, J. K. Tar and J. Fodor, Three Evolutionary Optimization Algorithms in PI Controller Tuning, in: Applied Computational Intelligence in Engineering and Information Technology, R.-E. Precup, Sz. Kovács, St. Preitl and E. M. Petriu, Eds., Topics in Intelligent Engineering and Informatics, vol. 1 (Springer-Verlag), pp. 95-106, 2012.

12. Cl. Pozna and R.-E. Precup, Ideas on a Pattern of Human Knowledge, in: Applied Computational Intelligence in Engineering and Information Technology, R.-E. Precup, Sz. Kovács, St. Preitl and E. M. Petriu, Eds., Topics in Intelligent Engineering and Informatics, vol. 1 (Springer-Verlag), pp. 273-286, 2012.

13. C.-A. Dragoş, St. Preitl, R.-E. Precup and E. M. Petriu, Points of View on Magnetic Levitation System Laboratory-Based Control Education, in: Human-Computer Systems Interaction: Backgrounds and Applications 2, Part 2, Z. S. Hippe, J. L. Kulikowski and T. Mroczek, Eds., Advances in Intelligent and Soft Computing, vol. 99 (Springer-Verlag), pp. 261-275, 2012.

14. R.-E. Precup, S. V. Spătaru, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş and R.-C. David, Experimental Results of Model-Based Fuzzy Control Solutions for a Laboratory Antilock Braking System, in: Human-Computer Systems Interaction: Backgrounds and Applications 2, Part 2, Z. S. Hippe, J. L. Kulikowski and T. Mroczek, Eds., Advances in Intelligent and Soft Computing, vol. 99 (Springer-Verlag), pp. 223-234, 2012.

15. L.-O. Fedorovici, R.-E. Precup, R.-C. David and F. Drăgan, GSA-Based Training of Convolutional Neural Networks for OCR Applications, in: Computational Intelligence Systems in Industrial Engineering, C. Kahraman, Ed., Atlantis Computational Intelligence Systems, vol. 6 (Atlantis Press and Springer-Verlag), pp. 481-504, 2012.

16. R.-E. Precup, R.-C. David, St. Preitl, E. M. Petriu and J. K. Tar, Optimal Control Systems with Reduced Parametric Sensitivity Based on Particle Swarm Optimization and Simulated Annealing, in: Intelligent Computational Optimization in Engineering Techniques and Applications, M. Köppen, G. Schaefer and A. Abraham, Eds., Studies in Computational Intelligence, vol. 366 (Springer-Verlag), pp. 177-207, 2011.

17. R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl and A. S. Paul, Gravitational Search Algorithm-Based Tuning of Fuzzy Control Systems with a Reduced Parametric Sensitivity, in: Soft Computing in Industrial Applications, A. Gaspar-Cunha, R. Takahashi, G. Schaefer and L. Costa, Eds., Advances in Intelligent and Soft Computing, vol. 96 (Springer-Verlag), pp. 141-150, 2011.

18. M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl and C.-A. Dragoş, Convergent Iterative Feedback Tuning of State Feedback-Controlled Servo Systems, in: Informatics in Control Automation and Robotics, J. Andrade Cetto, J. Filipe and J.-L. Ferrier, Eds., Lecture Notes in Electrical Engineering, vol. 85 (Springer-Verlag), pp. 99-111, 2011.

19. C.-A. Dragoş, St. Preitl, R.-E. Precup, M. Creţiu and J. Fodor, Modern Control Solutions with Applications in Mechatronic Systems, in: Computational Intelligence in Engineering, I. J. Rudas, J. Fodor and J. Kacprzyk, Eds., Studies in Computational Intelligence, vol. 313 (Springer-Verlag), pp. 87-102, 2010.

20. St. Preitl, R.-E. Precup, M. L. Tomescu, M.-B. Rădac, E. M. Petriu and C.-A. Dragoş, Model-Based Design Issues in Fuzzy Logic Control, in: Towards Intelligent Engineering and Information Technology, I. J. Rudas, J. Fodor and J. Kacprzyk, Eds., Studies in Computational Intelligence, vol. 243 (Springer-Verlag), pp. 137-152, 2009.

21. R.-E. Precup, M.-B. Rădac, St. Preitl, E. M. Petriu and C.-A. Dragoş, Iterative Feedback Tuning in Linear and Fuzzy Control Systems, in: Towards Intelligent Engineering and Information Technology, I. J. Rudas, J. Fodor and J. Kacprzyk, Eds., Studies in Computational Intelligence, vol. 243 (Springer-Verlag), pp. 179-192, 2009.

22. Cl. Pozna, R.-E. Precup, St. Preitl, F. Troester and J. K. Tar, Points of View on Building an Intelligent Robot, in: Towards Intelligent Engineering and Information Technology, I. J. Rudas, J. Fodor and J. Kacprzyk, Eds., Studies in Computational Intelligence, vol. 243 (Springer-Verlag), pp. 263-277, 2009.

23. R.-E. Precup and St. Preitl, On the Stability and Sensitivity Analysis of Fuzzy Control Systems for Servo-Systems, in: Fuzzy Systems Engineering, Theory and Practice, N. Nedjah and L. de Macedo Mourelle, Eds., Studies in Fuzziness and Soft Computing, vol. 181 (Springer-Verlag), pp. 131-161, 2005.

24. St. Preitl and R.-E. Precup, Fuzzy Controllers with Dynamics, a Systematic Design Approach, in: Advances in Automatic Control, M. Voicu, Ed., The Springer International Series in Engineering and Computer Science, vol. 754 (Kluwer Academic Publishers and Springer-Verlag), pp. 283-296, 2003.

C) Lucrări publicate în reviste indexate în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge) journals (http://www.aut.upt.ro/~rprecup/isijournals.html):

1. R.-E. Precup and H. Hellendoorn, A survey on industrial applications of fuzzy control, **Computers in Industry** (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, impact factor (IF) = 1.529, IF according to 2017 Journal Citation Reports (JCR) released by Clarivate Analytics in 2018 = 2.850, **Highly Cited Paper according to Clarivate Analytics Web of Science** as of January/February 2018 (http://www.aut.upt.ro/~rprecup/CiI_2011_Highly_Cited_Paper.jpg).

2. R.-E. Precup, R.-C. David, E. M. Petriu, M.-B. Rădac, St. Preitl and J. Fodor, Evolutionary optimization-based tuning of low-cost fuzzy controllers for servo systems, **Knowledge-Based Systems** (Elsevier Science), vol. 38, pp. 74-84, 2013, impact factor (IF) = 3.058, IF according to 2017 Journal Citation Reports (JCR) released by Clarivate Analytics in 2018 = 4.396, **Highly Cited Paper according to Clarivate Analytics Web of Science** as of November/December 2015 (http://www.aut.upt.ro/~rprecup/KBS_2013_Highly_Cited_Paper.jpg).

3. R.-E. Precup, P. Angelov, B. S. J. Costa and M. Sayed-Mouchaweh, An overview on fault diagnosis and nature-inspired optimal control of industrial process applications, **Computers in Industry** (Elsevier Science), vol. 74, pp. 75-94, 2015, impact factor (IF) =

1.685, IF according to 2017 Journal Citation Reports (JCR) released by Clarivate Analytics in 2018 = 2.850, **Hot Paper according to Clarivate Analytics Web of Science** as of November/December 2015 (http://www.aut.upt.ro/~rprecup/Cil_2015_Hot_Paper.jpg).

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**ANEXA 2. LISTA GRANTURILOR DE CERCETARE
COORDONATE DE PROF.DR.ING. RADU-EMIL PRECUP**
http://www.aut.upt.ro/~rprecup/contracts.html

1. 2014-2017: director of the Politehnica University of Timisoara (UPT) partner, Advanced control systems for bioprocesses in food industry (ADCOSBIO), 238637 EUR, national joint applied research project (PCCA, Executive Agency for Higher Education, Research, Development and Innovation Funding - UEFISCDI), director: Prof. Dan Selişteanu, University of Craiova.

2. 2014-2017: director of the UPT partner, Advanced control system of a biorefinery plant (BIOCON), 284091 EUR, national joint applied research project (PCCA, UEFISCDI), director: Prof. Sergiu Caraman, "Lower Danube" University of Galaţi.

3. 2011-2016: director, New performance improvement techniques of control systems using experiment-based tuning, 339907 EUR, national exploratory research grant (PCE, UEFISCDI).

4. 2012-2016: director of the UPT partner, Software products based on artificial intelligence algorithms applied to modelling and optimization of chemical systems (AISoftChim), 362903 EUR, national joint applied research project (PCCA, UEFISCDI), director, Prof. Silvia Curteanu, "Gheorghe Asachi" Technical University of Iaşi.

5. 2008-2009: director of the Romanian partner, UPT, New results in development and applications of fuzzy control systems, 16000 EUR, international research contract (bilateral project Slovenia-Romania, CNMP), Prof. Igor Škrjanc, director of the Slovenian partner, University of Ljubljana.

6. 2008-2011: director of the UPT partner, Real-time informatics technologies for embedded-system-control of power-train in automotive design and applications (SICONA), 500000 EUR, national research contract (CNMP), director, Prof. Corneliu Lazăr, "Gheorghe Asachi" Technical University of Iaşi.

7. 2006-2007: director, Development of new fuzzy controller structures for embedded systems using Iterative Feedback Tuning algorithms, 18000 EUR, national research contract (CNCSIS).

8. 2004-2005: director, Development of new fuzzy controller structures based on sensitivity theory, 15000 EUR, national research contract (CNCSIS).

9. 2001: director, Research concerning the development of new stability analysis methods for a class of fuzzy control systems applied to the development of Takagi-Sugeno fuzzy controllers, 1400 USD, national research contract (CNCSIS).

10. 1996: director, Research concerning the implementation of fuzzy control algorithms dedicated to electro-hydraulic and eletromechanical servo systems, 2000 USD, national research contract (CNCSU).