RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR

STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

| 1. Structura activității candidatului | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Nr. crt. | Domeniul activităților | Categorii și restricții | | Subcategorii | | Indicatori $k_{pl}$ | Nr. realizat | Punctaj |
| 0 | 1 | 2 | | 3 | | 4 | 5 | 6 |
| 1 | Activitatea didactică și profesională (A1) | Cărți de autor sau capitole de specialitate la edituri cu ISBN, la capitol se punctează cu 1/4 din punctaj pentru carte | Cărți/monografii | A 1.1.1 | Internaționale | 50/nr. de autori su 100/nr. de autori la min. 50 bibl. străin. cf. WordCat | 1 carte, 21 cap. | 176.310 |
| | | | | A 1.1.2 | Naționale | 50/nr. de autori | 4 cărți | 125.000 |
| | | Material didactic/Lucrări didactice publicate la edituri cu ISBN | Manuale didactice | A 1.2.1 | | 40/nr. de autori | 9 cărți | 170.000 |
| | | | | | | | TOTAL A1 | 471.310 |
| | | Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI | | A 2.1 | | (25+30* factor impact)/ nr. de autori | 254 | 4488.609 |
| | | Articole în reviste și lucrări în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute | | A 2.2 | | 20/nr. de autori | 76 | 373.976 |
| | | Proprietate intelectuală, brevete de invenție, certificate ORDA | | A 2.3.1 | Internațională | 35/ nr. de autori | 0 | 0.000 |
| | | | | A 2.3.2 | Naționale (OSIM) | 25/ nr. de autori | 2 | 16.667 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | Activitatea de cercetare (A2) | Granturi/proiecte de cercetare câștigate prin competiție sau contracte cu agenți economici în valoare de minimum 10000 dolari SUA echivalent încasați | Director/responsabil partener | A 2.4.1.1 | Internaționale | 20*ani de desfășurare | 1 | 40.000 |
| | | | | A 2.4.1.2 | Naționale | 10*ani de desfășurare | 9 | 240.000 |
| | | | Membru în echipă | A 2.4.2.1 | Internaționale | 4*ani de desfășurare | 3 | 24.000 |
| | | | | A 2.4.2.2 | Naționale | 2*ani de desfășurare | 19 | 62.000 |
| | | | | | | | TOTAL A2 | 5245.252 |
| 3 | Recunoașterea și impactul activității (A3) | Citări în cărți, reviste și volume ale unor manifestări științifice | | A 3.1.1 | Cărți, ISI | (8/nr. aut art. citat)*2 dacă art care citează este în Q1, Q2 | 50 | 400.000 |
| | | | | A 3.1.2 | BDI | 4/nr. aut art. citat | 0 | 0.000 |
| | | Membru în comitetele de redacție sau comitelele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI | | A 3.2 | | 10 | 57 | 570.000 |
| | | Membru în comitetele de redacție sau comitelele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI | | A 3.3 | | 6 | 10 | 60.000 |
| | | Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu | | A 3.4 | | 15 | 8 | 120.000 |
| | | | | | | | TOTAL A3 | 1150.000 |
| | | | | | | **TOTAL** | **A1+A2+A3** | **6866.561** |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR

STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

Condiții minimale pentru profesor/abilitare

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

| 3. Condiții minimale | | | |
|---|---|---|---|
| Nr. crt. | Domeniul de activitate | Profesor/abilitare | Punctaj realizat |
| 1 | Activitatea didactică/profesională (A1) | 100 | 471.310 |
| 2 | Activitatea de cercetare (A2) | 600 | 5245.251 |
| 3 | Recunoașterea impactului activității (A3) | 150 | 1150.000 |
| Total A | | 850 | 6866.561 |

| Condiții minimale obligatorii pe subcategorii | | Profesor/abilitare | Realizat |
|---|---|---|---|
| A 1.1.1 - A 1.1.2 | Cărți de specialitate | 1 carte | 5 cărți |
| A 2.1 | Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI proceedings | 15, din care minimum 3 în reviste cotate Q1 sau Q2 | 254, din care 53 în reviste cotate Q1 sau Q2 |
| A 2.4.1 | Granturi/proiecte de cercetare câștigate prin competiție (director/responsabil partener) | 2 | 10 |
| A 3.1.1 | Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WoS) | 25 | 50 |
| | Factor de impact ISI cumulat pentru publicații | 10 | 329.712 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A 1 Activitatea didactică și profesională

A 1.1 Cărți de autor sau capitole de specialitate la edituri cu ISBN

A 1.1.1 Internaționale

| Nr. crt. | Lucrarea publicată | Nr. autori | Kpi | Carte 1, capitol 4 | Punctaj |
|---|---|---|---|---|---|
| | | | | | |
| 1 | R.-E. Precup, R.-C. David, Nature-Inspired Optimization Algorithms for Fuzzy Controlled Servo Systems, Butterworth-Heinemann, Elsevier, Oxford, UK, 148 pp., eBook ISBN 978-0-12-816606-2, Paperback ISBN 978-0-12-816358-0, 2019. | 2 | 100 | 1 | 50.000 |
| 2 | R.-C. David, R.-E. Precup, St. Preitl, A.-I. Szedlak-Stînean, L.-O. Fedorovici, Application of grey wolf optimization in fuzzy controller tuning for servo systems, Chapter 13 in Swarm Intelligence -Volume 2: Innovation, new algorithms and methods, Y. Tan, Ed., IET Digital Library, Stevenage, pp. 363-387, ISBN 978-1-78561-629-7, 2018. | 5 | 100 | 4 | 5.000 |
| 3 | R.-E. Precup, 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, ISBN 978-981-4675-00-0, ISBN 978-981-4675-04-8 (Vol. 2), 2016. | 2 | 100 | 4 | 12.500 |
| 4 | St. Preitl, R.-E. Precup, Zs. Preitl, A.-I. Stînean, C.-A. Dragoş, 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, Print ISBN: 978-3-319-28858-1, Online ISBN: 978-3-319-28860-4, Series ISSN: 2198-4182, 2016. | 6 | 100 | 4 | 4.167 |

| | | | | | |
|---|---|---|---|---|---|
| 5 | R.-E. Precup, E.-I. Voişan, E. M. Petriu, M.-B. Rădac, 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, Print ISBN: 978-3-319-31896-7, Online ISBN: 978-3-319-31898-1, Series ISSN: 1876-1100, 2016. | 5 | 100 | 4 | 5.000 |
| 6 | R.-C. David, R.-E. Precup, E. M. Petriu, St. Preitl, M.-B. Rădac, 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, Print ISBN 978-94-6239-081-2, Online ISBN 978-94-6239-082-9, DOI: 10.2991/978-94-6239-082-9_8, 2014. | 6 | 100 | 4 | 4.167 |
| 7 | St. Preitl, R.-E. Precup, Z. Preitl, A.-I. Stînean, M.-B. Rădac, 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, Print ISBN 978-3-319-05944-0, Online ISBN 978-3-319-05945-72014, DOI: 10.1007/978-3-319-05945-7_1, 2014. | 6 | 100 | 4 | 4.167 |
| 8 | R.-C. David, R.-B. Grad, R.-E. Precup, M.-B. Rădac, C.-A. Dragoş, 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, Print ISBN 978-3-319-00929-2, Online ISBN 978-3-319-00930-8, DOI: 10.1007/978-3-319-00930-8_8, 2014. | 6 | 100 | 4 | 4.167 |
| 9 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, 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, Print ISBN 978-3-642-33958-5, Online ISBN 978-3-642-33959-2, DOI: 10.1007/978-3-642-33959-2_10, 2013. | 5 | 100 | 4 | 5.000 |
| 10 | R.-E. Precup, F.-C. Enache, M.-B. Rădac, E. M. Petriu, St. Preitl, 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, Print ISBN 978-3-642-30667-9, Online ISBN 978-3-642-30668-6, DOI: 10.1007/978-3-642-30668-6_2, 2013. | 6 | 100 | 4 | 4.167 |

| | | | | | |
|---|---|---|---|---|---|
| 11 | St. Preitl, A.-I. Stinean, R.-E. Precup, C.-A. Dragoş, M.-B. Radac, 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, Print ISBN 978-3-642-28304-8, Online ISBN 978-3-642-28305-5, DOI: 10.1007/978-3-642-28305-5_2, 2012. | 6 | 100 | 4 | 4.167 |
| 12 | R.-C. David, R.-E. Precup, St. Preitl, J. K. Tar, 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, Print ISBN 978-3-642-28304-8, Online ISBN 978-3-642-28305-5, DOI: 10.1007/978-3-642-28305-5_8, 2012. | 5 | 100 | 4 | 5.000 |
| 13 | Cl. Pozna, 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, Print ISBN 978-3-642-28304-8, Online ISBN 978-3-642-28305-5, DOI: 10.1007/978-3-642-28305-5_22, 2012. | 2 | 100 | 4 | 12.500 |
| 14 | R.-E. Precup, S. V. Spataru, M.-B. Radac, E. M. Petriu, St. Preitl, C.-A. Dragoş, 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, Print ISBN 978-3-642-23171-1, Online ISBN 978-3-642-23172-8, DOI: 10.1007/978-3-642-23172-8_16, 2012. | 7 | 100 | 4 | 3.571 |
| 15 | L.-O. Fedorovici, R.-E. Precup, R.-C. David, F. Dragan, 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, Print ISBN 978-94-91216-76-3, Online ISBN 978-94-91216-77-0, DOI: 10.2991/978-94-91216-77-0_23, 2012. | 7 | 100 | 4 | 3.571 |
| 16 | R.-E. Precup, R.-C. David, St. Preitl, E. M. Petriu, 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, Print ISBN 978-3-642-21704-3, Online ISBN 978-3-642-21705-0, DOI: 10.1007/978-3-642-21705-0_7, 2011. | 5 | 100 | 4 | 5.000 |

| | | | | | |
|---|---|---|---|---|---|
| 17 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, 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, Print ISBN 978-3-642-20504-0, Online ISBN 978-3-642-20505-7, DOI: 10.1007/978-3-642-20505-7_12, 2011. | 5 | 100 | 4 | 5.000 |
| 18 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, 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, Print ISBN 978-3-642-19729-1, Online ISBN 978-3-642-19730-7, DOI: 10.1007/978-3-642-19730-7_7, 2011. | 5 | 100 | 4 | 5.000 |
| 19 | C.-A. Dragoş, St. Preitl, R.-E. Precup, M. Creţiu, 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, Print ISBN 978-3-642-15219-1, Online ISBN 978-3-642-15220-7, DOI: 10.1007/978-3-642-15220-7_8, 2010. | 5 | 100 | 4 | 5.000 |
| 20 | St. Preitl, R.-E. Precup, M.-L. Tomescu, M.-B. Rădac, E. M. Petriu, 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, Print ISBN 978-3-642-03736-8, Online ISBN 978-3-642-03737-5, DOI: 10.1007/978-3-642-03737-5_10, 2009 | 6 | 100 | 4 | 4.167 |
| 21 | R.-E. Precup, 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, Print ISBN 978-3-540-25322-8, Online ISBN 978-3-540-32397-6, DOI: 10.1007/11339366_6, 2005. | 2 | 100 | 4 | 12.500 |
| 22 | St. Preitl, 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, Print ISBN 978-1-4613-4827-6, Online ISBN 978-1-4419-9184-3, DOI: 10.1007/978-1-4419-9184-3_20, 2003. | 2 | 100 | 4 | 12.500 |
| | | | | TOTAL | 176.310 |

A 1.1.2 Naționale

| Nr. crt. | Lucrarea publicată | Nr. autori | Kpi | Carte 1, capitol 4 | Punctaj |
|---|---|---|---|---|---|
| | | | | | |
| 1 | St. Preitl, R.-E. Precup, Regulatoare pentru servosisteme: metode de proiectare, Editura Orizonturi Universitare, Timişoara, 128 pp., ISBN 973-638-250-8, 978-973-638-250-5, 2007. | 2 | 50 | 1 | 25.000 |
| 2 | R.-E. Precup, Soluţii de conducere fuzzy a sistemelor cu fază neminimă. Aplicaţii la conducerea hidrogeneratoarelor, Editura Orizonturi Universitare, Timişoara, 124 pp., ISBN 973-9400-88-4, 2000. | 1 | 50 | 1 | 50.000 |
| 3 | R.-E. Precup, St. Preitl, Fuzzy Controllers, Editura Orizonturi Universitare, Timişoara, 212 pp., ISBN 973-9400-61-2, 1999. | 2 | 50 | 1 | 25.000 |
| 4 | St. Preitl, R.-E. Precup, Introducere în conducerea FUZZY a proceselor, Editura Tehnică, Bucureşti, 151 pp., ISBN 973-31-1081-1, 1997. | 2 | 50 | 1 | 25.000 |
| | | | | TOTAL | 125.000 |

A1.2.1 Material didactic / Lucrări didactice publicate la edituri cu ISBN

| Nr. crt. | Lucrarea publicată | Nr. autori | Punctaj realizat |
|---|---|---|---|
| | | | |
| 1 | A. Kovács, R.-E. Precup, B. Paláncz, L. Kovács, Modern Numerical Methods in Engineering, Editura Politehnica, Timişoara, 482 pp., ISBN 978-606-554-503-8, 2012. | 4 | 10.000 |
| 2 | St. Preitl, R.-E. Precup, Zs. Preitl, Structuri şi algoritmi pentru conducerea automată a proceselor. Volumul 1, Editura Orizonturi Universitare, Timişoara, 214 pp., ISBN 978-973-638-362-5, 2009. | 3 | 13.333 |
| 3 | St. Preitl, R.-E. Precup, Zs. Preitl, Structuri şi algoritmi pentru conducerea automată a proceselor. Volumul 2, Editura Orizonturi Universitare, Timişoara, 272 pp., ISBN 978-973-638-429-5, 2009. | 3 | 13.333 |
| 4 | R.-E. Precup, Matematici asistate de calculator. Algoritmuri, Editura Orizonturi Universitare, Timişoara, 231 pp., ISBN 978-973-638-345-8, 2007. | 1 | 40.000 |
| 5 | St. Preitl, R.-E. Precup, Elemente de reglare automată. Aplicaţii la sistemele de reglare automată a excitaţiei şi vitezei generatoarelor sincrone, Editura Orizonturi Universitare, Timişoara, 304 pp., ISBN 973-8109-97-3, 2005. | 2 | 20.000 |
| 6 | R.-E. Precup, L. Dragomir, I. Bulaviţchi, Matematici asistate de calculator. Aplicaţii, Editura Politehnica, Timişoara, 298 pp., ISBN 973-8247-68-3, 2002. | 3 | 13.333 |
| 7 | St. Preitl, R.-E. Precup, Introducere în ingineria reglării automate, Editura Politehnica, Timişoara, 334 pp., ISBN 973-8247-77-2, 2001. | 2 | 20.000 |
| 8 | St. Preitl, R.-E. Precup, Automatizări, Editura Orizonturi Universitare, Timişoara, 206 pp., ISBN 973-8109-36-1, 2001. | 2 | 20.000 |
| 9 | St. Preitl, R.-E. Precup, Elemente de metodica predării disciplinelor de automatică şi calculatoare, Editura Orizonturi Universitare, Timişoara, 1999, 144 pp., ISBN 973-9400-69-8. | 2 | 20.000 |
| | | TOTAL | 170.000 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A2 Activitatea de cercetare

A 2.1 Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI

| Nr. crt. | Lucrarea publicată | Nr. autori | Factor de impact | Punctaj |
|---|---|---|---|---|
| 1 | R.-E. Precup, T.-A. Teban, A. Albu, A.-B. Borlea, I. A. Zamfirache, E. M. Petriu, Evolving fuzzy models for prosthetic hand myoelectric-based control, IEEE Transactions on Instrumentation and Measurement, vol. 69, no. 7, pp. 4625-4636, 2020, impact factor (IF) = 3.658, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.658, DOI: 10.1109/TIM.2020.2983531, WOS:000542954500002. | 6 | 3.658 | 22.457 |
| 2 | R.-E. Precup, E.-I. Voişan, E. M. Petriu, M. L. Tomescu, R.-C. David, A.-I. Szedlak-Stînean, R.-C. Roman, Grey Wolf Optimizer-Based Approaches to Path Planning and Fuzzy Logic-based Tracking Control for Mobile Robots, International Journal of Computers Communications & Control (Agora University Editing House - CCC Publications), vol. 15, no. 3, 3844, pp. 1-17, 2020, impact factor (IF) = 2.093, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.093, DOI: 10.15837/ijccc.2020.3.3844, WOS:000528258600003. | 7 | 2.093 | 12.541 |
| 3 | A. Topîrceanu, R.-E. Precup, A framework for improving electoral forecasting based on time-aware polling, Social Network Analysis and Mining (Springer), vol. 10, no. 1, 39, pp. 1-14, 2020, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.000, DOI: 10.1007/s13278-020-00646-7, WOS:000540060300002. | 2 | 0 | 12.500 |
| 4 | R.-E. Precup, S. Preitl, E. M. Petriu, R.-C. Roman, C.-A. Bojan-Dragoş, E.-L. Hedrea, A.-I. Szedlak-Stînean, A center manifold theory-based approach to the stability analysis of state feedback Takagi-Sugeno-Kang fuzzy control systems, Facta Universitatis, Series: Mechanical Engineering (University of Nis), vol. 18, no. 2, pp. 189-204, 2020, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.000, DOI: 10.22190/FUME200421022P, WOS:000556543000002. | 7 | 0 | 3.571 |

| | | | | |
|---|---|---|---|---|
| 5 | R.-C. Roman, R.-E. Precup, E. M. Petriu, F. Drăgan, Combination of Data-Driven Active Disturbance Rejection and Takagi-Sugeno Fuzzy Control with Experimental Validation on Tower Crane Systems, Energies (MDPI), vol. 12, no. 8, paper 1548, pp. 1-19, 2019, impact factor (IF) = 2.702, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.702, DOI: 10.3390/en12081548, WOS:000467762600141. | 4 | 2.702 | 26.515 |
| 6 | M.-B. Rădac, R.-E. Precup, Data-Driven Model-Free Tracking Reinforcement Learning Control with VRFT-based Adaptive Actor-Critic, Applied Sciences (MDPI), vol. 9, no. 9, paper 1807, pp. 1-23, 2019, impact factor (IF) = 2.474, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.474, DOI: 10.3390/app9091807, WOS:000469756000086. | 2 | 2.474 | 49.610 |
| 7 | E.-L. Hedrea, R.-E. Precup, C.-A. Bojan-Dragoş, Results on Tensor Product-based Model Transformation of Magnetic Levitation Systems, Acta Polytechnica Hungarica, vol. 16, no. 9, pp. 93-111, 2019, impact factor (IF) = 1.219, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, DOI: 10.12700/APH.16.9.2019.9.6, WOS:000492691500006. | 3 | 1.219 | 20.523 |
| 8 | A. Albu, R.-E. Precup, T.-A. Teban, Results and Challenges of Artificial Neural Networks Used for Decision-Making in Medical Applications, Facta Universitatis, Series: Mechanical Engineering (University of Nis), vol. 17, no 4, pp. 285-308, 2019, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.000, DOI: 10.22190/FUME190327035A, WOS:000500466900001. | 3 | 0 | 8.333 |
| 9 | M.-B. Rădac, R.-E. Precup, Data-driven MIMO model-free reference tracking control with nonlinear state-feedback and fractional order controllers, Applied Soft Computing (Elsevier Science), vol. 73, pp. 992-1003, 2018, impact factor (IF) = 4.873, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.472, DOI: 10.1016/j.asoc.2018.09.035, WOS:000450124900069. | 2 | 5.472 | 94.580 |
| 10 | M.-B. Rădac, R.-E. Precup, Data-Driven Model-Free Slip Control of Anti-lock Braking Systems Using Reinforcement Q-Learning, Neurocomputing (Elsevier Science), vol. 275, pp. 317-329, 2018, impact factor (IF) = 4.072, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.438, DOI: 10.1016/j.neucom.2017.08.036, WOS:000418370200031. | 2 | 4.438 | 79.070 |
| 11 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Data-driven model reference control of MIMO vertical tank systems with model-free VRFT and Q-learning, ISA Transactions (Elsevier Science), vol. 73, pp. 227-238, 2018, impact factor (IF) = 4.343, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.305, DOI: 10.1016/j.isatra.2018.01.014, WOS:000427664100021. | 3 | 4.305 | 51.383 |

| | | | | |
|---|---|---|---|---|
| 12 | Cl. Pozna, R.-E. Precup, An Approach to the Design of Nonlinear State-Space Control Systems, Studies in Informatics and Control (ICI Bucharest), vol. 27, no. 1, pp. 5-14, 2018, impact factor (IF) = 1.347, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.102, DOI: 10.24846/v27i1y201801, WOS:000430357400001. | 2 | 2.102 | 44.030 |
| 13 | E. Horvath, Cl. Pozna, R.-E. Precup, Robot Coverage Path Planning Based on Iterative Structured Orientation, Acta Polytechnica Hungarica (Óbuda University), vol. 15, no. 2, pp. 231-249, 2018, impact factor (IF) = 1.286, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, DOI: 10.12700/APH.15.1.2018.2.12, WOS:000433164900012. | 3 | 1.219 | 20.523 |
| 14 | C.-A. Bojan-Dragoş, M.-B. Rădac, R.-E. Precup, E.-L. Hedrea, O.-M. Tănăsoiu, Gain-Scheduling Control Solutions for Magnetic Levitation Systems, Acta Polytechnica Hungarica, vol. 15, no. 5, pp. 89-108, 2018, impact factor (IF) = 1.286, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, DOI: 10.12700/APH.15.5.2018.5.6, WOS:000449055300006. | 6 | 1.219 | 10.262 |
| 15 | R.-E. Precup, T.-A. Teban, A. Albu, A.-I. Szedlak-Stînean, C.-A. Bojan-Dragoş, Experiments in Incremental Online Identification of Fuzzy Models of Finger Dynamics, Romanian Journal of Information Science and Technology (Romanian Academy, Section for Information Science and Technology), vol. 21, no. 4, pp. 358-376, 2018, impact factor (IF) = 0.661, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.485, http://www.romjist.ro/full-texts/paper607.pdf, WOS:000455901500004. | 5 | 0.485 | 7.910 |
| 16 | R.-E. Precup, M.-B. Rădac, R.-C. Roman, E. M. Petriu, Model-Free Sliding Mode Control of Nonlinear Systems: Algorithms and Experiments, Information Sciences (Elsevier Science), vol. 381, pp. 176-192, 2017, impact factor (IF) = 4.305, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.910, ISSN 0020-0255, DOI: 0.1016/j.ins.2016.11.026, WOS:000392786000012 | 4 | 5.91 | 50.575 |
| 17 | R.-E. Precup, R.-C. David, E. M. Petriu, Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems with Reduced Parametric Sensitivity, IEEE Transactions on Industrial Electronics, vol. 64, no. 1, pp. 527-534, 2017, impact factor (IF) = 7.050, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, DOI: 10.1109/TIE.2016.2607698, WOS:000390470600052. | 3 | 7.515 | 83.483 |
| 18 | Cl. Pozna, R.-E. Precup, On a translated frame-based approach to geometric modeling of robots, Robotics and Autonomous Systems (Elsevier Science), vol. 91, pp. 49-58, 2017, impact factor (IF) = 2.638, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.825, ISSN 0921-8890, DOI: 10.1016/j.robot.2017.01.004, WOS:000396949800005. | 2 | 2.825 | 54.875 |

| | | | | |
|---|---|---|---|---|
| 19 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Model-free control performance improvement using virtual reference feedback tuning and reinforcement Q-learning, International Journal of Systems Science (Taylor & Francis), vol. 48, no. 5, pp. 1071-1083, 2017, impact factor (IF) = 2.185, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.149, ISSN 0020-7721, DOI: 10.1080/00207721.2016.1236423, WOS:000396819200017. | 3 | 2.149 | 29.823 |
| 20 | C.-A. Bojan-Dragoş, R.-E. Precup, M. L. Tomescu, S. Preitl, O.-M. Tănăsoiu, S. Hergane, Proportional-Integral-Derivative Gain-Scheduling Control of a Magnetic Levitation System, International Journal of Computers Communications & Control (Agora University Editing House - CCC Publications), vol. 12, no. 5, pp. 599-611, 2017, impact factor (IF) = 1.290, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.093, ISSN 1841-9836, http://univagora.ro/jour/index.php/ijccc/article/view/2770, WOS:000410336700001. | 6 | 2.093 | 14.632 |
| 21 | A. Tenescu, R.-E. Precup, N. Minculete, Evolving Fuzzy Models for Automated Translation, Acta Polytechnica Hungarica (Óbuda University), vol. 14, no. 2, pp. 27-46, 2017, impact factor (IF) = 0.909, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.14.2.2017.2.2, WOS:000402476300002. | 3 | 1.219 | 20.523 |
| 22 | I.-D. Borlea, R.-E. Precup, F. Drăgan, A.-B. Borlea, Centroid Update Approach to K-Means Clustering, Advances in Electrical and Computer Engineering (Ştefan cel Mare University of Suceava), vol. 17, no. 4, pp. 3-10, 2017, impact factor (IF) = 0.699, impact factor according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.102, DOI: 10.4316/AECE.2017.04001, WOS:00041767430000. | 4 | 1.102 | 14.515 |
| 23 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, E. M. Petriu, Virtual Reference Feedback Tuning of Model-Free Control Algorithms for Servo Systems, Machines (MDPI), vol. 5, no. 4, paper 25, pp. 1-15, 2017, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.000, DOI: 10.3390/machines5040025, WOS:000415730400005. | 4 | 0 | 6.250 |
| 24 | R.-E. Precup, R.-C. David, A.-I. Szedlak-Stînean, E. M. Petriu, F. Drăgan, An Easily Understandable Grey Wolf Optimizer and Its Application to Fuzzy Controller Tuning, Algorithms (MDPI), vol. 10, no. 2, paper 68, pp. 1-15, 2017, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.000, ISSN 1999-4893, DOI: 10.3390/a10020068, WOS:000404542100033. | 5 | 0 | 5.000 |

| | | | | |
|---|---|---|---|---|
| 25 | R.-E. Precup, St. Preitl, C.-A. Bojan-Dragoş, M.-B. Rădac, A.-I. Szedlak-Stînean, E.-L. Hedrea, R.-C. Roman, Automotive Applications of Evolving Takagi-Sugeno-Kang Fuzzy Models, Facta Universitatis, Series: Mechanical Engineering (University of Nis), vol. 15, no 2, pp. 231-244, 2017, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 0.000, ISSN 0354-2025, DOI: 10.22190/FUME170505011P, WOS:000412407100005. | 7 | 0 | 3.571 |
| 26 | M.-B. Rădac, R.-E. Precup, Three-level hierarchical model-free learning approach to trajectory tracking control, Engineering Applications of Artificial Intelligence (Elsevier Science), vol. 55, pp. 103-118, 2016, impact factor (IF) = 2.894, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.201, ISSN 0952-1976, DOI: 10.1016/j.engappai.2016.06.009, WOS:000383811200010. | 2 | 4.201 | 75.515 |
| 27 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, Multi-input-multi-output system experimental validation of model-free control and virtual reference feedback tuning techniques, IET Control Theory & Applications, vol. 10, no. 12, pp. 1395-1403, 2016, impact factor (IF) = 2.536, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.343, ISSN 1751-8644, DOI: 10.1049/iet-cta.2016.0028, WOS:000381410000010. | 3 | 3.343 | 41.763 |
| 28 | M.-B. Rădac, R.-E. Precup, Model-free constrained data-driven iterative reference input tuning algorithm with experimental validation, International Journal of General Systems (Taylor & Francis), vol. 45, no. 4, pp. 455-476, 2016, impact factor (IF) = 2.490, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.671, ISSN 0308-1079, DOI: 10.1080/03081079.2015.1072524, WOS:000374954200005. | 2 | 1.671 | 37.565 |
| 29 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, E. M. Petriu, Data-driven Model-Free Adaptive Control Tuned by Virtual Reference Feedback Tuning, Acta Polytechnica Hungarica, vol. 13, no. 1, pp. 83-96, 2016, impact factor (IF) = 0.745, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.13.1.2016.1.7, WOS:000369116300007. | 4 | 1.219 | 15.393 |
| 30 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, Model-Free Primitive-Based Iterative Learning Control Approach to Trajectory Tracking of MIMO Systems With Experimental Validation, IEEE Transactions on Neural Networks and Learning Systems, vol. 26, no. 11, pp. 2925-2938, 2015, impact factor (IF) = 4.854, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 8.793, ISSN 2162-237X, DOI: 10.1109/TNNLS.2015.2460258, WOS:000363242800024. | 3 | 8.793 | 96.263 |
| 31 | R.-E. Precup, M.-C. Sabău, E. M. Petriu, Nature-Inspired Optimal Tuning of Input Membership Functions of Takagi-Sugeno-Kang Fuzzy Models for Anti-lock Braking Systems, Applied Soft Computing (Elsevier Science), vol. 27, pp. 575-589, 2015, impact factor (IF) = 2.857, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.472, ISSN 1568-4946, DOI: 10.1016/j.asoc.2014.07.004. WOS:000346856600049. | 3 | 5.472 | 63.053 |

| | | | | |
|---|---|---|---|---|
| 32 | M.-B. Rădac, R.-E. Precup, Data-based two-degree-of-freedom iterative control approach to constrained non-linear systems, IET Control Theory & Applications, vol. 9, no. 7, pp. 1000-1010, 2015, impact factor (IF) = 1.957, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.343, ISSN 1751-8644, DOI: 10.1049/iet-cta.2014.0187, WOS:000353964100002. | 2 | 3.343 | 62.645 |
| 33 | R.-E. Precup, M. L. Tomescu, Stable fuzzy logic control of a general class of chaotic systems, Neural Computing and Applications (Springer-Verlag), vol. 26, no. 3, pp. 541-550, 2015, impact factor (IF) = 1.492, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.774, ISSN 0941-0643, DOI: 10.1007/s00521-014-1644-7, WOS:000351364300005. | 2 | 4.774 | 84.110 |
| 34 | R.-E. Precup, P. Angelov, B. S. J. Costa, 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 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/j.compind.2015.03.001, WOS:000364893000007. | 4 | 3.954 | 35.905 |
| 35 | M.-B. Rădac, R.-E. Precup, Optimal behaviour prediction using a primitive-based data-driven model-free iterative learning control approach, Computers in Industry (Elsevier Science), vol. 74, pp. 95-109, 2015, impact factor (IF) = 1.685, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/j.compind.2015.03.004, WOS:000364893000008. | 2 | 3.954 | 71.810 |
| 36 | Cl. Pozna, R.-E. Precup, P. Földesi, A novel pose estimation algorithm for robotic navigation, Robotics and Autonomous Systems (Elsevier Science), vol. 63, pp. 10-21, 2015, impact factor (IF) = 1.618, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.825, ISSN 0921-8890, DOI: 10.1016/j.robot.2014.09.034, WOS:000347507200002. | 3 | 2.825 | 36.583 |
| 37 | R.-E. Precup, E. M. Petriu, M.-B. Rădac, St. Preitl, L.-O. Fedorovici, C.-A. Dragoş, Cascade control system-based cost effective combination of tensor product model transformation and fuzzy control, Asian Journal of Control (John Wiley and Sons), vol. 17, no. 2, pp. 381-391, 2015, impact factor (IF) = 1.407, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.779, ISSN 1561-8625, DOI: 10.1002/asjc.855, WOS:000351167300003. | 6 | 2.779 | 18.062 |
| 38 | R.-E. Precup, M. L. Tomescu, E. M. Petriu, A Unified Anti-Windup Technique for Fuzzy and Sliding Mode Controllers, International Journal of Computers Communications & Control (Agora University Editing House - CCC Publications), vol. 10, no. 6, pp. 843-855, 2015, impact factor (IF) = 0.627, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.093, ISSN 1841-9836, http://univagora.ro/jour/index.php/ijccc/article/view/2075, WOS:000364346600008. | 3 | 2.093 | 29.263 |

| | | | | |
|---|---|---|---|---|
| 39 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, Constrained Data-Driven Model-Free ILC-based Reference Input Tuning Algorithm, Acta Polytechnica Hungarica (Óbuda University), vol. 12, no. 1, pp. 137-160, 2015, impact factor (IF) = 0.544, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.12.1.2015.1.9, WOS:000350404800009. | 3 | 1.219 | 20.523 |
| 40 | A. Takács, L. Kovács, I. J. Rudas, R.-E. Precup, T. Haidegger, Models for Force Control in Telesurgical Robot Systems, Acta Polytechnica Hungarica (Óbuda University), vol. 12, no. 8, pp. 95-114, 2015, impact factor (IF) = 0.544, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.12.8.2015.8.6, WOS:000368898300006. | 5 | 1.219 | 12.314 |
| 41 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Iterative Data-Driven Tuning of Controllers for Nonlinear Systems with Constraints, IEEE Transactions on Industrial Electronics, vol. 61, no. 11, pp. 6360-6368, 2014, impact factor (IF) = 6.498, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2011.2130493, WOS:000302545700002. | 5 | 7.515 | 50.090 |
| 42 | R.-E. Precup, R.-C. David, E. M. Petriu, M.-B. Rădac, St. Preitl, Adaptive GSA-Based Optimal Tuning of PI Controlled Servo Systems With Reduced Process Parametric Sensitivity, Robust Stability and Controller Robustness, IEEE Transactions on Cybernetics, vol. 44, no. 11, pp. 1997-2009, 2014, impact factor (IF) = 3.469, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 11.079, DOI: 10.1109/TCYB.2014.2307257, WOS:000343319700002. | 5 | 11.079 | 71.474 |
| 43 | R.-E. Precup, H.-I. Filip, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş, Online Identification of Evolving Takagi-Sugeno-Kang Fuzzy Models for Crane Systems, Applied Soft Computing (Elsevier Science), vol. 24, pp. 1155-1163, 2014, impact factor (IF) = 2.810, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.472, DOI: 10.1016/j.asoc.2014.01.013, WOS:000343138500096. | 6 | 5.472 | 31.527 |
| 44 | R.-E. Precup, M. L. Tomescu, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş, Novel Adaptive Charged System Search Algorithm for Optimal Tuning of Fuzzy Controllers, Expert Systems with Applications (Elsevier Science), vol. 41, no. 4, part 1, pp. 1168-1175, 2014, impact factor (IF) = 2.240, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.452, ISSN 0957-4174, 10.1016/j.eswa.2012.01.165, WOS:000303281600070. | 6 | 5.452 | 31.427 |
| 45 | R.-E. Precup, M.-L. Tomescu, C.-A. Dragoş, Stabilization of Rossler chaotic dynamical system using fuzzy logic control algorithm, International Journal of General Systems (Taylor & Francis), vol. 43, no. 5, pp. 413-433, 2014, impact factor (IF) = 1.637, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.671, ISSN 0308-1079, DOI: 10.1080/03081079.2014.893299, WOS:000333941300001. | 3 | 1.671 | 25.043 |

| | | | | |
|---|---|---|---|---|
| 46 | Cl. Pozna, R.-E. Precup, Applications of Signatures to Expert Systems Modelling, Acta Polytechnica Hungarica (Óbuda University), vol. 11, no. 2, pp. 21-39, 2014, impact factor (IF) = 0.649, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.11.02.2014.02.2, WOS:000333726200002. | 2 | 1.219 | 30.785 |
| 47 | R. S. Fantana, N. Minculete, R.-E. Precup, Extension of Liskov Substitution Principle and Application to Curriculum Management, Acta Polytechnica Hungarica (Óbuda University), vol. 11, no. 7, pp. 25-42, 2014, impact factor (IF) = 0.649, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.11.07.2014.07.2, WOS:000346147900002. | 3 | 1.219 | 20.523 |
| 48 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, Iterative Data-Driven Controller Tuning with Actuator Constraints and Reduced Sensitivity, Journal of Aerospace Information Systems (The American Institute of Aeronautics and Astronautics), vol. 11, no. 9, pp. 551-564, 2014, impact factor (IF) = 0.213, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.076, ISSN 1940-3151, DOI: 10.2514/1.I010154, WOS:000342851700003. | 4 | 1.076 | 14.320 |
| 49 | R.-E. Precup, R.-C. David, E. M. Petriu, M.-B. Rădac, St. Preitl, 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 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.921, ISSN 0950-7051, DOI: 10.1016/j.knosys.2011.07.006, WOS:000314382100009. | 6 | 5.921 | 33.772 |
| 50 | R.-C. David, R.-E. Precup, E. M. Petriu, M.-B. Rădac, St. Preitl, Gravitational Search Algorithm-Based Design of Fuzzy Control Systems with a Reduced Parametric Sensitivity, Information Sciences (Elsevier Science), vol. 247, pp. 154-173, 2013, impact factor (IF) = 3.893, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.910, ISSN 0020-0255, DOI: 10.1016/j.ins.2013.05.035, WOS:000323808200011. | 5 | 5.91 | 40.460 |
| 51 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoș, Data-driven reference trajectory tracking algorithm and experimental validation, IEEE Transactions on Industrial Informatics, vol. 9, no. 4, pp. 2327-2336, 2013, impact factor (IF) = 8.785, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 9.112, ISSN 1551-3203, DOI: 10.1109/TII.2012.2220973, WOS:000326113700052. | 5 | 9.112 | 59.672 |
| 52 | R.-E. Precup, M.-B. Rădac, M. L. Tomescu, E. M. Petriu, St. Preitl, Stable and convergent iterative feedback tuning of fuzzy controllers for discrete-time SISO systems, Expert Systems with Applications (Elsevier Science), vol. 40, no. 1, pp. 188-199, 2013, impact factor (IF) = 1.965, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.452, ISSN 0957-4174, DOI: 10.1016/j.eswa.2012.07.023, WOS:000309378200018. | 5 | 5.452 | 37.712 |

| | | | | |
|---|---|---|---|---|
| 53 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Fuzzy logic-based adaptive gravitational search algorithm for optimal tuning of fuzzy controlled servo systems, IET Control Theory & Applications, vol. 7, no. 1, pp. 99-107, 2013, impact factor (IF) = 1.844, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.343, ISSN 1751-8644, DOI: 10.1049/iet-cta.2012.0343, WOS:000318229100010. | 5 | 3.343 | 25.058 |
| 54 | R.-E. Precup, M.-L. Tomescu, St. Preitl, E. M. Petriu, J. Fodor, Cl. Pozna, Stability analysis and design of a class of MIMO fuzzy control systems, Journal of Intelligent & Fuzzy Systems (IOS Press), vol. 25, no. 1, pp. 145-155, 2013, impact factor (IF) = 0.936, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.851, ISSN 1064-1246, DOI: 10.3233/IFS-2012-0621, WOS:000318157000014. | 6 | 1.851 | 13.422 |
| 55 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, Experiment-based Performance Improvement of State Feedback Control Systems for Single Input Processes, Acta Polytechnica Hungarica (Óbuda University), vol. 10, no. 1, pp. 5-24, 2013, impact factor (IF) = 0.471, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, DOI: 10.12700/APH.10.01.2013.1.1., WOS:000320488300001. | 4 | 1.219 | 15.393 |
| 56 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Experiments in fuzzy controller tuning based on an adaptive gravitational search algorithm, Proceedings of the Romanian Academy, Series A: Mathematics, Physics, Technical Sciences, Information Science (Editura Academiei Romane, Bucharest), vol. 14, no. 4, pp. 360-367, 2013, impact factor (IF) = 1.115, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.294, ISSN 1454-9069, http://www.academiaromana.ro/sectii2002/proceedings/doc2013-4/13-Precup.pdf, WOS:000328441500013. | 5 | 1.294 | 12.764 |
| 57 | C.-A. Dragoș, R.-E. Precup, M. L. Tomescu, St. Preitl, E. M. Petriu, M.-B. Rădac, An Approach to Fuzzy Modeling of Electromagnetic Actuated Clutch Systems, International Journal of Computers Communications & Control (Agora University Editing House - CCC Publications), vol. 8, no. 3, pp. 395-406, 2013, impact factor (IF) = 0.694, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.093, ISSN 1841-9836, http://univagora.ro/jour/index.php/ijccc/article/view/218/pdf_38, WOS:000319952400005. | 6 | 2.093 | 14.632 |
| 58 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Fuzzy control systems with reduced parametric sensitivity based on simulated annealing, IEEE Transactions on Industrial Electronics, vol. 59, no. 8, pp. 3049-3061, 2012, impact factor (IF) = 5.165, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2011.2130493, WOS:000302545700002. | 5 | 7.515 | 50.090 |

| | | | | |
|---|---|---|---|---|
| 59 | R.-E. Precup, M. L. Tomescu, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş, Iterative performance improvement of fuzzy control systems for three tank systems, Expert Systems with Applications (Elsevier Science), vol. 39, no. 9, pp. 8288-8299, 2012, impact factor (IF) = 1.854, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.452, ISSN 0957-4174, 10.1016/j.eswa.2012.01.165, WOS:000303281600070. | 6 | 5.452 | 31.427 |
| 60 | Cl. Pozna, N. Minculete, R.-E. Precup, L. T. Kóczy, Á. Ballagi, Signatures: Definitions, operators and applications to fuzzy modeling, Fuzzy Sets and Systems (Elsevier Science), vol. 201, pp. 86-104, 2012, impact factor (IF) = 1.749, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.305, ISSN 0165-0114, DOI: 10.1016/j.fss.2011.12.016, WOS:000306050200006. | 5 | 3.305 | 24.830 |
| 61 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Novel adaptive gravitational search algorithm for fuzzy controlled servo systems, IEEE Transactions on Industrial Informatics, vol. 8, no. 4, pp. 791-800, 2012, impact factor (IF) = 3.381, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 9.112, ISSN 1551-3203, DOI: 10.1109/TII.2012.2205393, WOS:000310388400007 | 5 | 9.112 | 59.672 |
| 62 | N. Minculete, Cl. Pozna, R.-E. Precup, A refinement of Sandor-Toth's inequality, Journal of Inequalities and Applications (SpringerOpen), 2012: 4, pp. 1-16, DOI: 10.1186/1029-242X-2012-4, 2012, impact factor (IF) = 0.820, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.470, ISSN 1029-242X, WOS:000301521600001. | 3 | 1.47 | 23.033 |
| 63 | R.-E. Precup, C.-A. Dragoş, St. Preitl, M.-B. Rădac, E. M. Petriu, Novel tensor product models for automatic transmission system control, IEEE Systems Journal, vol. 6, no. 3, pp. 488-498, 2012, impact factor (IF) = 1.270, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.987, ISSN 1932-8184, DOI: 10.1109/JSYST.2012.2190692, WOS:000308020800014. | 5 | 3.987 | 28.922 |
| 64 | T. Haidegger, L. Kovács, R.-E. Precup, B. Benyó, Z. Benyó, St. Preitl, Simulation and control for telerobots in space medicine, Acta Astronautica (Elsevier Science), vol. 181, no. 1, pp. 390-402, 2012, impact factor (IF) = 0.701, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.830, ISSN 0094-5765, DOI: 10.1016/j.actaastro.2012.06.010, WOS:000309568900036. | 6 | 2.83 | 18.317 |
| 65 | R.-E. Precup, T. Haidegger, St. Preitl, Z. Benyó, A. S. Paul, L. Kovács, Fuzzy control solution for telesurgical applications, Applied and Computational Mathematics (Ministry of Communications and Information Technology, Azerbaijan National Academy of Sciences and Institute of Applied Mathematics of Baku State University), vol. 11, no. 3, pp. 378-397, 2012, impact factor (IF) = 0.750, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.354, ISSN 1683-3511, http://acmij.az/view.php?lang=az&menu=cjournal&id=289, WOS:000310827500006 | 6 | 2.354 | 15.937 |

| | | | | |
|---|---|---|---|---|
| 66 | Cl. Pozna, R.-E. Precup, Aspects concerning the observation process modelling in the framework of cognition processes, Acta Polytechnica Hungarica (Óbuda University), vol. 9, no. 1, pp. 203-223, 2012, impact factor (IF) = 0.588, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, http://uni-obuda.hu/journal/Pozna_Precup_33.pdf, WOS:000304212300013. | 2 | 1.219 | 30.785 |
| 67 | R.-E. Precup, M. L. Tomescu, E. M. Petriu, St. Preitl, C.-A. Dragoş, Stable design of a class of nonlinear discrete-time MIMO fuzzy control systems, Acta Polytechnica Hungarica (Óbuda University), vol. 9, no. 2, pp. 57-76, 2012, impact factor (IF) = 0.588, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, http://uni-obuda.hu/journal/Precup_Tomescu_Petriu_Preitl_Dragos_34.pdf, WOS:000306096900004. | 5 | 1.219 | 12.314 |
| 68 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, Application of IFT and SPSA to servo system control, IEEE Transactions on Neural Networks, vol. 22, no. 12, part 2, pp. 2363-2375, 2011, impact factor (IF) = 2.952, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 8.793 (IEEE Transactions on Neural Networks and Learning Systems starting with 2012), ISSN 1045-9227, ISSN 2162-237X starting with 2012 (IEEE Transactions on Neural Networks and Learning Systems), DOI: 10.1109/TNN.2011.2173804, WOS:000299082900018. | 4 | 2.952 | 28.390 |
| 69 | R.-E. Precup, 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 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/j.compind.2010.10.001, WOS:000289183900001. | 2 | 3.954 | 71.810 |
| 70 | R.-E. Precup, St. Preitl, M.-B. Rădac, E. M. Petriu, C.-A. Dragoş, J. K. Tar, Experiment-based teaching in advanced control engineering, IEEE Transactions on Education, vol. 54, no. 3, pp. 345-355, 2011, impact factor (IF) = 1.021, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.855, ISSN 0018-9359, DOI: 10.1109/TE.2010.2058575, WOS:000293751300001 | 6 | 1.855 | 13.442 |
| 71 | Cl. Pozna, R.-E. Precup, J. K. Tar, I. Škrjanc, St. Preitl, New results in modelling derived from Bayesian filtering, Knowledge-Based Systems (Elsevier Science), vol. 23, no. 2, pp. 182-194, 2010, impact factor (IF) = 1.574, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.921, ISSN 0950-7051, DOI: 10.1016/j.knosys.2009.11.015, WOS:000275589800012. | 5 | 5.921 | 40.526 |
| 72 | Cl. Pozna, F. Troester, R.-E. Precup, J. K. Tar, St. Preitl, On the Design of an Obstacle Avoiding Trajectory: Method and Simulation, Mathematics and Computers in Simulation (Elsevier Science), vol. 79, no. 7, pp. 2211-2226, 2009, impact factor (IF) = 0.946, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.620, ISSN 0378-4754, DOI: 10.1016/j.matcom.2008.12.015, WOS:000264918200017. | 5 | 1.62 | 14.720 |

| | | | | |
|---|---|---|---|---|
| 73 | R.-E. Precup, St. Preitl, E. M. Petriu, J. K. Tar, M. L. Tomescu, Cl. Pozna, Generic two-degree-of-freedom linear and fuzzy controllers for integral processes, Journal of The Franklin Institute (Elsevier Science), vol. 346, no. 10, pp. 980-1003, 2009, impact factor (IF) = 1.130, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.036, ISSN 0016-0032, DOI: 10.1016/j.jfranklin.2009.03.006, WOS:000271682500004. | 6 | 4.036 | 24.347 |
| 74 | R.-E. Precup, M. L. Tomescu, St. Preitl, Fuzzy Logic Control System Stability Analysis Based on Lyapunov's Direct Method, International Journal of Computers Communications & Control (Agora University Editing House - CCC Publications), vol. IV, no. 4, pp. 415-426, 2009, impact factor (IF) = 0.373, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.093, ISSN 1841-9836, http://www.journal.univagora.ro/?page=article_details&id=385, WOS:000255333000007. | 3 | 2.093 | 29.263 |
| 75 | R.-E. Precup, St. Preitl, J. K. Tar, M. L. Tomescu, M. Takács, P. Korondi, P. Baranyi, Fuzzy Control System Performance Enhancement by Iterative Learning Control, IEEE Transactions on Industrial Electronics, vol. 55, no. 9, pp. 3461-3475, 2008, impact factor (IF) = 5.468, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2008.925322, WOS:000258949600031. | 7 | 7.515 | 35.779 |
| 76 | R.-E. Precup, St. Preitl, I. J. Rudas, M. L. Tomescu, J. K. Tar, Design and Experiments for a Class of Fuzzy Controlled Servo Systems, IEEE/ASME Transactions on Mechatronics, vol. 13, no. 1, pp. 22-35, 2008, impact factor (IF) = 1.614, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.673, ISSN 1083-4435, DOI: 10.1109/TMECH.2008.915816, WOS:000253840800004. | 5 | 5.673 | 39.038 |
| 77 | R.-E. Precup, W. S. Lee, M. V. C. Rao, Zs. Preitl, Linear and fuzzy control solutions for tape drives, Electrical Engineering (Springer-Verlag), vol. 90, no. 5, pp. 361-377, 2008, impact factor (IF) = 0.378, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.180, ISSN 0948-7921, DOI: 10.1007/s00202-007-0086-y, WOS:000255032300006. | 4 | 1.18 | 15.100 |
| 78 | R.-E. Precup, St. Preitl, PI-Fuzzy Controllers for Integral Plants to Ensure Robust Stability, Information Sciences (Elsevier Science), vol. 177, no. 20, pp. 4410-4429, 2007, impact factor (IF) = 2.147, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.910, ISSN 0020-0255, DOI: 10.1016/j.ins.2007.05.005, WOS:000249068300011. | 2 | 5.91 | 101.150 |
| 79 | R.-E. Precup, St. Preitl, P. Korondi, Fuzzy Controllers with Maximum Sensitivity for Servosystems, IEEE Transactions on Industrial Electronics, vol. 54, no. 3, pp. 1298-1310, 2007, impact factor (IF) = 2.216, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2007.893053, WOS:000247203000005. | 3 | 7.515 | 83.483 |

| | | | | |
|---|---|---|---|---|
| 80 | R.-E. Precup, M. L. Tomescu, St. Preitl, Lorenz System Stabilization Using Fuzzy Controllers, International Journal of Computers Communications & Control (Agora University, CCC Publishing, EBSCO Publishing), vol. II, no. 3, pp. 279-287, 2007, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.093, ISSN 1841-9836, http://journal.univagora.ro/?page=article_details&id=92, WOS:000255333000007. | 3 | 2.093 | 29.263 |
| 81 | R.-E. Precup, St. Preitl, PI and PID controllers tuning for integral-type servo systems to ensure robust stability and controller robustness, Electrical Engineering (Springer-Verlag), vol. 88, no. 2, pp. 149-156, 2006, impact factor (IF) = 0.068, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.180, ISSN 0948-7921, DOI: 10.1007/s00202-004-0269-8, WOS:000234653200009. | 2 | 1.18 | 30.200 |
| 82 | R.-E. Precup, St. Preitl, Stability and Sensitivity Analysis of Fuzzy Control Systems. Mechatronics Applications, Acta Polytechnica Hungarica (Óbuda University), vol. 3, no. 1, pp. 61-76, 2006, impact factor (IF) = 0.000, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.219, ISSN 1785-8860, https://www.uni-obuda.hu/journal/Precup_Preitl_5.pdf, WOS:000209678200004. | 2 | 1.219 | 30.785 |
| 83 | R.-E. Precup, St. Preitl, Optimisation Criteria in Development of Fuzzy Controllers with Dynamics, Engineering Applications of Artificial Intelligence (Elsevier Science), vol. 17, no. 6, pp. 661-674, 2004, impact factor (IF) = 0.421, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.201, ISSN 0952-1976, DOI: 10.1016/j.engappai.2004.08.004, WOS:000224909500009. | 2 | 4.201 | 75.515 |
| 84 | R.-E. Precup, St. Preitl, G. Faur, PI Predictive Fuzzy Controllers for Electrical Drive Speed Control: Methods and Software for Stable Development, Computers in Industry (Elsevier Science), vol. 52, no. 3, pp. 253-270, 2003, impact factor (IF) = 0.692, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/S0166-3615(03)00130-1, WOS:000186771300005. | 3 | 3.954 | 47.873 |
| 85 | R.-E. Precup, St. Preitl, Development of Fuzzy Controllers with Non-homogeneous Dynamics for Integral-type Plants, Electrical Engineering (Springer-Verlag), vol. 85, no. 3, pp. 155-168, 2003, impact factor (IF) = 0.099, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.180, ISSN 0948-7921, DOI: 10.1007/s00202-003-0157-7, WOS:000184090900005. | 2 | 1.18 | 30.200 |
| 86 | R.-E. Precup, S. Doboli, St. Preitl, Stability Analysis and Development of a Class of Fuzzy Control Systems, Engineering Applications of Artificial Intelligence (Elsevier Science), vol. 13, no. 3, pp. 237-247, 2000, impact factor (IF) = 0.231, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.201, ISSN 0952-1976, DOI: 10.1016/S0952-1976(00)00002-6, WOS:000087162000002. | 3 | 4.201 | 50.343 |

| | | | | |
|---|---|---|---|---|
| 87 | St. Preitl, R.-E. Precup, An Extension of Tuning Relations after Symmetrical Optimum Method for PI and PID Controllers, Automatica (Elsevier Science), vol. 35, no. 10, pp. 1731-1736, 1999, impact factor (IF) = 0.911, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.541, ISSN 0005-1098, DOI: 10.1016/S0005-1098(99)00091-6, WOS:000082781800013. | 2 | 5.541 | 95.615 |
| 88 | R.-C. Roman, R.-E. Precup, R.-C. David, Second Order Intelligent Proportional-Integral Fuzzy Control of Twin Rotor Aerodynamic Systems, Procedia Computer Science, vol. 139, pp. 372-380, 2018, DOI: 10.1016/j.procs.2018.10.277, WOS:000471259200051. | 3 | 0 | 8.333 |
| 89 | R.-E. Precup, T.-A. Teban, E. M. Petriu, A. Albu, I.-C. Mituleţu, Structure and Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control Systems, Proceedings of 26th Mediterranean Conference on Control and Automation MED'18, Zadar, Croatia, pp. 625-630, 2018, DOI: 10.1109/MED.2018.8442770, WOS:000454718500103. | 5 | 0.25 | 6.500 |
| 90 | M.-B. Rădac, R.-E. Precup, E.-L. Hedrea, I.-C. Mituleţu, Data-Driven Model-Free Model-Reference Nonlinear Virtual State-Feedback Control from Input-Output Data, Proceedings of 26th Mediterranean Conference on Control and Automation MED'18, Zadar, Croatia, pp. 332-338, 2018, DOI: 10.1109/MED.2018.8442894, WOS:000454718500055. | 4 | 0.25 | 8.125 |
| 91 | R.-C. Roman, M.-B. Rădac, C. Tureac, R.-E. Precup, Data-Driven Active Disturbance Rejection Control of Pendulum Cart Systems, Proceedings of 2018 IEEE Conference on Control Technology and Applications CCTA 2018, Copenhagen, Denmark, pp. 933-938, 2018, DOI: 10.1109/CCTA.2018.8511541, WOS:000461414700146. | 4 | 0.25 | 8.125 |
| 92 | E.-L. Hedrea, C.-A. Bojan-Dragoş, R.-E. Precup, E. M. Petriu, Comparative Study of Control Structures for Maglev Systems, Proceedings of 2018 IEEE 18th International Conference on Power Electronics and Motion Control PEMC 2018, Budapest, Hungary, pp. 657-662, 2018, DOI: 10.1109/EPEPEMC.2018.8521850, WOS:000465109800004. | 4 | 0.25 | 8.125 |
| 93 | C.-A. Bojan-Dragoş, R.-E. Precup, E.-L. Hedrea, A. Simo, A. Daia, Discrete time Control Solutions for Inverted Pendulum Crane Mode Control, Proceedings of 18th IEEE International Symposium on Computational Intelligence and Informatics CINTI 2018, Budapest, Hungary, pp. 295-300, 2018, DOI: 10.1109/CINTI.2018.8928233, WOS:000522225400052. | 5 | 0.25 | 6.500 |
| 94 | E.-L. Hedrea, R.-E. Precup, C.-A. Bojan-Dragoş, R.-C. Roman, O. Tănăsoiu, M. Marinescu, Cascade Control Solutions for Maglev Systems, Proceedings of 2018 22nd International Conference on System Theory, Control and Computing ICSTCC 2018, Sinaia, Romania, pp. 20-26, 2018, DOI: 10.1109/ICSTCC.2018.8540726, WOS:000465109800004. | 6 | 0.25 | 5.417 |
| 95 | T.-A. Teban, R.-E. Precup, E.-C. Luncă, A. Albu, C.-A. Bojan-Dragoş, E. M. Petriu, Recurrent Neural Network Models for Myoelectric-based Control of a Prosthetic Hand, Proceedings of 2018 22nd International Conference on System Theory, Control and Computing ICSTCC 2018, Sinaia, Romania, pp. 603-608, 2018, DOI: 10.1109/ICSTCC.2018.8540720, WOS:000465109800099. | 6 | 0.25 | 5.417 |

| | | | | |
|---|---|---|---|---|
| 96 | A.-I. Szedlak-Stînean, C.-A. Bojan-Dragoş, R.-E. Precup, M.-B. Rădac, Gain-Scheduling Control Solutions for a Strip Winding System with Variable Moment of Inertia, Proceedings of 3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control PID 2018, Ghent, Belgium, 2018, IFAC-PapersOnLine, vol. 51, no. 4, ISSN 2405-8963, pp. 370-375, 2018, DOI: 10.1016/j.ifacol.2018.06.094, WOS:000435709300064. | 4 | 0.25 | 8.125 |
| 97 | E.-L. Hedrea, R.-E. Precup, C.-A. Bojan-Dragoş, C. Hedrea, Tensor Product-based Model Transformation Technique Applied to Modeling Vertical Three Tank Systems, Proceedings of IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018, Timisoara, Romania, USB ISBN: 978-1-5386-4639-7, USB Part Number: CFP1845C-USB, pp. 63-68, 2018, DOI: 10.1109/SACI.2018.8440924, WOS:000448144200010. | 4 | 0.25 | 8.125 |
| 98 | I.-D. Borlea, R.-E. Precup, F. Dragan, A.-B. Borlea, Parallel Implementation of K-Means Algorithm Using MapReduce Approach, Proceedings of IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018, Timisoara, Romania, USB ISBN: 978-1-5386-4639-7, USB Part Number: CFP1845C-USB, pp. 75-80, 2018, DOI: 10.1109/SACI.2018.8441018, WOS:000448144200012 | 4 | 0.25 | 8.125 |
| 99 | D. Todinca, I. Şora, D.-E. Butoianu, R.-E. Precup, A Novel Method to Compute the Membership Value of the States of Fuzzy Automata, Proceedings of IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018, Timisoara, Romania, USB ISBN: 978-1-5386-4639-7, USB Part Number: CFP1845C-USB, pp. 107-112, 2018, DOI: 10.1109/SACI.2018.8440929, WOS:000448144200019. | 4 | 0.25 | 8.125 |
| 100 | C.-A. Bojan-Dragoş, A.-I. Szedlak-Stînean, R.-E. Precup, L. Gurgui, E.-L. Hedrea, I.-C. Mituleţu, Control Solutions for Vertical Three-Tank Systems, Proceedings of IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018, Timisoara, Romania, USB ISBN: 978-1-5386-4639-7, USB Part Number: CFP1845C-USB, pp. 593-598, 2018, DOI: 10.1109/SACI.2018.8440939, WOS:000448144200103. | 6 | 0.25 | 5.417 |
| 101 | A.-I. Szedlak-Stînean, R.-E. Precup, C.-A. Bojan-Dragoş, I.-C. Mituleţu, Feedback Control Solutions for an Electromechanical Process with Rigid Body Dynamics, Proceedings of IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018, Timisoara, Romania, USB ISBN: 978-1-5386-4639-7, USB Part Number: CFP1845C-USB, pp. 599-605, 2018, DOI: 10.1109/SACI.2018.8440978, WOS:000448144200104. | 4 | 0.25 | 8.125 |
| 102 | E.-L. Hedrea, C.-A. Bojan-Dragoş, R.-E. Precup, T.-A. Teban, Tensor Product-Based Model Transformation for Level Control of Vertical Three Tank Systems, Proceedings of 21st International Conference on Intelligent Engineering Systems INES 2017, Larnaca, Cyprus, Part number: CFP17IES-USB, ISBN: 978-1-4799-7677-5, pp. 113-118, 2017, DOI: 10.1109/INES.2017.8118539, WOS:000418333800019. | 4 | 0.25 | 8.125 |

| | | | | |
|---|---|---|---|---|
| 103 | C.-A. Bojan-Dragoş, R.-E. Precup, S. Hergane, T.-A. Teban, E. M. Petriu, Fuzzy Logic-Based Adaptive Control Scheme for Magnetic Levitation Systems, Proceedings of 2017 IEEE International Symposium on Robotics and Intelligent Sensors IRIS 2017, Ottawa, Canada, ISBN 978-1-5386-1342-9, pp. 160-165, 2017, DOI: 10.1109/IRIS.2017.8250115, WOS:000425844300026. | 5 | 0.25 | 6.500 |
| 104 | R.-E. Precup, C.-A. Bojan-Dragoş, E.-L. Hedrea, I.-D. Borlea, E. M. Petriu, Evolving Fuzzy Models for Anti-lock Braking Systems, Proceedings of 2017 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications CIVEMSA 2017, Annecy, France, ISBN: 978-1-5090-4252-4, pp. 48-53, 2017, DOI: 10.1109/CIVEMSA.2017.7995300, WOS:000427105300014 | 5 | 0.25 | 6.500 |
| 105 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Multi Input-Multi Output Tank System Data-Driven Model Reference Control, Proceedings of 13th IEEE International Conference on Control & Automation ICCA 2017, Ohrid, Macedonia, ISBN 978-1-5386-2678-8, pp. 1078-1083, 2017, DOI: 10.1109/ICCA.2017.8003211, WOS:000427123500187. | 3 | 0.25 | 10.833 |
| 106 | R.-C. Roman, R.-E. Precup, M.-B. Rădac, Model-Free Fuzzy Control of Twin Rotor Aerodynamic Systems, Proceedings of 25th Mediterranean Conference on Control and Automation MED 2017, Valletta, Malta, ISBN 978-1-5090-4532-7, pp. 559-564, 2017, DOI: 10.1109/MED.2017.7984176, WOS:000426926300091. | 3 | 0.25 | 10.833 |
| 107 | R.-C. Roman, R.-E. Precup, M.-B. Rădac, E. M. Petriu, Takagi-Sugeno Fuzzy Controller Structures for Twin Rotor Aerodynamic Systems, Proceedings of 2017 IEEE International Conference on Fuzzy Systems FUZZ-IEEE 2017, Naples, Italy, pp. 1-6, 2017, DOI: 10.1109/FUZZ-IEEE.2017.8015389, WOS:000426449100014. | 4 | 0.25 | 8.125 |
| 108 | L.-E. Hedrea, C.-A. Bojan-Dragoş, R.-E. Precup, R.-C. Roman, E. M. Petriu, C. Hedrea, Tensor Product-Based Model Transformation for Position Control of Magnetic Levitation Systems, Proceedings of 2017 IEEE International Symposium on Industrial Electronics ISIE 2017, Edinburgh, UK, ISBN 978-1-5090-1411-8, pp. 1141-1146, 2017, DOI: 10.1109/ISIE.2017.8001406, WOS:000426794000180. | 6 | 0.25 | 5.417 |
| 109 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Anti-lock Braking Systems Data-Driven Control Using Q-Learning, Proceedings of 2017 IEEE International Symposium on Industrial Electronics ISIE 2017, Edinburgh, UK, ISBN 978-1-5090-1411-8, pp. 418-423, 2017, DOI: 10.1109/ISIE.2017.8001283, WOS:000426794000065. | 3 | 0.25 | 10.833 |
| 110 | R.-E. Precup, C.-A. Bojan-Dragoş, E.-L. Hedrea, M.-D. Rarinca, E. M. Petriu, Evolving Fuzzy Models for the Position Control of Magnetic Levitation Systems, Proceedings of 2017 IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2017, Ljubljana, Slovenia, ISBN 978-1-5090-6444-1, pp. 1-6, 2017, DOI: 10.1109/EAIS.2017.7954839, WOS:000414280100021. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 111 | D.-A. Dutescu, M.-B. Rădac, R.-E. Precup, Model Predictive Control of a Nonlinear Laboratory Twin Rotor Aero-dynamical System, Proceedings of IEEE 15th International Symposium on Applied Machine Intelligence and Informatics SAMI 2017, Herl'any, Slovakia, pp. 37-42, 2017, ISBN 978-1-5090-5655-22, DOI: 10.1109/SAMI.2017.7880339, WOS:000406005700006. | 3 | 0.25 | 10.833 |
| 112 | C.-A. Bojan-Dragoş, R.-E. Precup, S. Preitl, M.-B. Rădac, D.-A. Matei, O. Tănăsoiu, E. M. Petriu, Combined Control Solution for an Advanced Mechatronics Application, Proceedings of 21st International Conference on System Theory, Control and Computing ICSTCC 2017, Sinaia, Romania, ISBN 978-1-5386-3842-2, IEEE Catalog Number CFP1736P-ART, ISBN 978-1-5386-3841-5, IEEE Catalog Number CFP1736P-USB, pp. 634-639, 2017, DOI: 10.1109/ICSTCC.2017.8107106, WOS:000427419900104. | 7 | 0.25 | 4.643 |
| 113 | C. Bumb, M.-B. Rădac, R.-E. Precup, R.-C. Roman, Data-Driven Nonlinear VRFT for Dead-Zone Compensation in Servo Systems Control, Proceedings of 21st International Conference on System Theory, Control and Computing ICSTCC 2017, Sinaia, Romania, ISBN 978-1-5386-3842-2, IEEE Catalog Number CFP1736P-ART, ISBN 978-1-5386-3841-5, IEEE Catalog Number CFP1736P-USB, pp. 821-826, 2017, DOI: 10.1109/ICSTCC.2017.8107137, WOS:000427419900135. | 4 | 0.25 | 8.125 |
| 114 | M.-B. Rădac, R.-E. Precup, Hierarchical Data-Driven Model-Free Iterative Learning Control Using Primitives, Proceedings of 2016 IEEE International Conference on Systems, Man, and Cybernetics SMC 2016, Budapest, Hungary, pp. 2785-2790, 2016, ISBN 978-1-5090-1897-0, ISSN 1062-922X, DOI: 10.1109/SMC.2016.7844661, WOS:000402634702111. | 2 | 0.25 | 16.250 |
| 115 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, Mixed MFC-VRFT Approach for a Multivariable Aerodynamic System Position Control, Proceedings of 2016 IEEE International Conference on Systems, Man, and Cybernetics SMC 2016, Budapest, Hungary, pp. 2615-2620, 2016, ISBN 978-1-5090-1897-0, ISSN 1062-922X, DOI: 10.1109/SMC.2016.7844633, WOS:000402634702083. | 3 | 0.25 | 10.833 |
| 116 | C.-A. Bojan-Dragoş, St. Preitl, R.-E. Precup, St. Hergane, E. G. Hughiet, A.-I. Szedlak-Stînean, State Feedback and Proportional-Integral-Derivative Control of a Magnetic Levitation System, Proceedings of IEEE 14th International Symposium on Intelligent Systems and Informatics SISY 2016, Subotica, Serbia, pp. 111-116, 2016, ISBN 978-1-5090-2866-5, ISSN 1949-047X, DOI: 10.1109/SISY.2016.7601480, WOS:000387172500019. | 6 | 0.25 | 5.417 |
| 117 | R.-E. Precup, T.-A. Teban, T. E. Alves de Oliveira, E. M. Petriu, Evolving Fuzzy Models for Myoelectric-based Control of a Prosthetic Hand, Proceedings of 2016 IEEE International Conference on Fuzzy Systems FUZZ-IEEE 2016, Vancouver, Canada, pp. 72-77, 2016, ISBN 978-1-5090-0625-0, ISSN 1544-5615, DOI: 10.1109/FUZZ-IEEE.2016.7737670, WOS:000392150700011. | 4 | 0.25 | 8.125 |

| | | | | |
|---|---|---|---|---|
| 118 | R.-E. Precup, M.-B. Rădac, E. M. Petriu, R.-C. Roman, T.-A. Teban, A.-I. Szedlak-Stînean, Evolving Fuzzy Models for the Position Control of Twin Rotor Aerodynamic Systems, Proceedings of 2016 IEEE 14th International Conference on Industrial Informatics INDIN 2016, Poitiers, France, pp. 237-242, 2016, ISBN 978-1-5090-2870-2, ISSN 1935-4576, DOI: 10.1109/INDIN.2016.7819165, WOS:000393551200033 | 6 | 0.25 | 5.417 |
| 119 | A.-I. Szedlak-Stînean, R.-E. Precup, St. Preitl, E. M. Petriu, C.-A. Bojan-Dragoş, State Feedback Control Solutions for a Mechatronics System with Variable Moment of Inertia, Proceedings of 13th International Conference on Informatics in Control, Automation and Robotics ICINCO 2016, Lisbon, Portugal, vol. 2, pp. 458-465, 2016, ISBN 978-989-758-198-4, DOI: 10.5220/0005988904580465, WOS:000392601900054. | 5 | 0.25 | 6.500 |
| 120 | G. Rigatos, P. Siano, D. Selişteanu, R.-E. Precup, An H-infinity approach to optimal control of oxygen and carbon dioxide contents in blood, Proceedings of International Conference of Computational Methods in Sciences and Engineering ICCMSE 2016, Athens, Greece, AIP Publishing, AIP Conference Proceedings, vol. 1790, pp. 060005-1-060005-8, 2016, ISBN 978-0-7354-1454-9, ISSN 0094-243X, DOI: 10.1063/1.4968677, WOS:000389449900046. | 4 | 0.25 | 8.125 |
| 121 | R.-E. Precup, R.-C. David, E. M. Petriu, M.-B. Rădac, E.-I. Voişan, Experiment-Based Comparison of Nature-Inspired Algorithms for Optimal Tuning of PI-Fuzzy Controlled Nonlinear DC Servo Systems, Proceedings of 2016 International Symposium on Power Electronics, Electrical Drives, Automation and Motion SPEEDAM 2016, Capri, Italy, pp. 1261-1266, 2016, ISBN 978-1-5090-2067-6, DOI: 10.1109/SPEEDAM.2016.7525935, WOS:000387110600208. | 5 | 0.25 | 6.500 |
| 122 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Data-Driven Virtual Reference Feedback Tuning and Reinforcement Q-learning for Model-Free Position Control of an Aerodynamic System, Proceedings of 24th Mediterranean Conference on Control and Automation MED'2016, Athens, Greece, pp. 1126-1132, 2016, ISBN 978-1-4673-8345-5, ISSN 2325-369X, DOI: 10.1109/MED.2016.7535876, WOS:000391154900187 | 3 | 0.25 | 10.833 |
| 123 | R.-E. Precup, R.-C. David, E. M. Petriu, A.-I. Szedlak-Stînean, C.-A. Bojan-Dragoş, Grey Wolf Optimizer-Based Approach to the Tuning of PI-Fuzzy Controllers with a Reduced Process Parametric Sensitivity, Proceedings of 4th IFAC International Conference on Intelligent Control and Automation Sciences ICONS 2016, Reims, France, 2016, 2016, IFAC-PapersOnLine, vol. 49, no. 5, pp. 55–60, 2016, ISSN 2405-8963, DOI: 10.1016/j.ifacol.2016.07.089, WOS:000381503600011. | 5 | 0.25 | 6.500 |
| 124 | T.-A. Teban, R.-E. Precup, E.-I. Voişan, T. E. Alves de Oliveira, E. M. Petriu, Recurrent Dynamic Neural Network Model for Myoelectric-based Control of a Prosthetic Hand, Proceedings of 10th Annual IEEE International Systems Conference SysCon 2016, Orlando, FL, USA, pp. 1-6, 2016, ISBN 978-1-4673-9519-9, DOI: 10.1109/SYSCON.2016.7490531, WOS:000389647000019. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 125 | C.-A. Bojan-Dragoş, R.-E. Precup, S. Preitl, A.-I. Szedlak-Stînean, E. M. Petriu, Particle Swarm Optimization of Fuzzy Models for Electromagnetic Actuated Clutch Systems, Proceedings of 18th Mediterranean Electromechanical Conference MELECON 2016, Limassol, Cyprus, pp. 1-6, 2016, ISBN 978-1-5090-0058-6, ISSN 2158-8481, DOI: 10.1109/MELCON.2016.7495403, WOS:000390719500102. | 5 | 0.25 | 6.500 |
| 126 | M.-B. Rădac, R.-E. Precup, Improving Model Reference Control Performance Using Model-Free VRFT and Q-Learning, Proceedings of 20th International Conference on System Theory, Control and Computing ICSTCC 2016, Sinaia, Romania, pp. 7- 13, 2016, ISBN 978-1-5090-2720-0, DOI: 10.1109/ICSTCC.2016.7790632, WOS:000391609900002. | 2 | 0.25 | 16.250 |
| 127 | C.-A. Bojan-Dragoş, R.-E. Precup, S. Preitl, S. Hergane, E. G. Hughiet, A.-I. Szedlak-Stînean, Proportional-Integral Gain-Scheduling Control of a Magnetic Levitation System, Proceedings of 20th International Conference on System Theory, Control and Computing ICSTCC 2016, Sinaia, Romania, pp. 1-6, 2016, ISBN 978-1-5090-2720-0, DOI: 10.1109/ICSTCC.2016.7790631, WOS:000391609900001. | 6 | 0.25 | 5.417 |
| 128 | A.-I. Szedlak-Stînean, S. Preitl, R.-E. Precup, C.-A. Bojan-Dragoş, An Adaptable Feedback Control Solution for a Drive System with Variable Parameters, Proceedings of 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016, Timisoara, Romania, pp. 209-215, 2016, ISBN 978-1-5090-2380-6, DOI: 10.1109/SACI.2016.7507371, WOS:000387119900037. | 4 | 0.25 | 8.125 |
| 129 | I.-D. Borlea, R.-E. Precup, F. Drăgan, On the Architecture of a Clustering Platform for the Analysis of Big Volumes of Data, Proceedings of 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016, Timisoara, Romania, pp. 145-150, 2016, ISBN 978-1-5090-2380-6, DOI: 10.1109/SACI.2016.7507361, WOS:000387119900025. | 3 | 0.25 | 10.833 |
| 130 | E.-I. Voişan, R.-E. Precup, F. Drăgan, Facial Expression Recognition System Based on a Face Statistical Model and Support Vector Machines, Proceedings of 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016, Timisoara, Romania, pp. 63-68, 2016, ISBN 978-1-5090-2380-6, DOI: 10.1109/SACI.2016.7507341, WOS:000387119900010. | 3 | 0.25 | 10.833 |
| 131 | E.-L. Hedrea, M.-B. Rădac, R.-E. Precup, Virtual Reference Feedback Tuning for Position Control of a Twin Rotor Aerodynamic System, Proceedings of 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016, Timisoara, Romania, pp. 57-62, 2016, ISBN 978-1-5090-2380-6, DOI: 10.1109/SACI.2016.7507431, WOS:000387119900009. | 3 | 0.25 | 10.833 |

| | | | | |
|---|---|---|---|---|
| 132 | A.-I. Stînean, C.-A. Bojan-Dragoş, R.-E. Precup, St. Preitl, E. M. Petriu, Takagi-Sugeno PD+I Fuzzy Control of Processes with Variable Moment of Inertia, Proceedings of 2015 International Symposium on Innovations in Intelligent SysTems and Applications INISTA 2015, Madrid, Spain, pp. 1-8, 2015, ISBN 978-1-4673-7751-5, DOI: 10.1109/INISTA.2015.7276770, WOS:000380428200046. | 5 | 0.25 | 6.500 |
| 133 | C.-A. Bojan-Dragoş, A.-I. Stînean, R.-E. Precup, St. Preitl, E. M. Petriu, Model Predictive Control Solution for Magnetic Levitation Systems, Proceedings of 20th International Conference on Methods and Models in Automation & Robotics MMAR 2015, Miedzyzdroje, Poland, pp. 139-144, 2015, ISBN 978-1-4799-8701-6, DOI: 10.1109/MMAR.2015.7283861, WOS:000374287000025. | 5 | 0.25 | 6.500 |
| 134 | R.-E. Precup, E.-I. Voişan, E. M. Petriu, M.-B. Rădac, L.-O. Fedorovici, Implementation of Evolving Fuzzy Models of a Nonlinear Process, Proceedings of 12th International Conference on Informatics in Control, Automation and Robotics ICINCO 2015, Colmar, Alsace, France, vol. 1, pp. 5-14, 2015, ISBN 978-9-8975-8149-6, DOI: 10.5220/0005524700050014, WOS:000381618600001. | 5 | 0.25 | 6.500 |
| 135 | R.-E. Precup, A.-D. Balint, M.-B. Rădac, E. M. Petriu, Backtracking Search Optimization Algorithm-based approach to PID controller tuning for torque motor systems, Proceedings of 2015 9th Annual IEEE International Systems Conference SysCon 2015, Vancouver, BC, Canada, pp. 127-132, 2015, ISBN 978-1-4799-5927-3, DOI: 10.1109/SYSCON.2015.7116740, WOS:000380537800021. | 4 | 0.25 | 8.125 |
| 136 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, Optimal Motion Prediction Using a Primitive-based Model-Free Iterative Control Approach for Crane Systems, Proceedings of 2015 IEEE International Conference on Industrial Technology ICIT 2015, Seville, Spain, pp. 366-372, 2015, ISBN 978-1-4799-7800-7, DOI: 10.1109/ICIT.2015.7125126, WOS:000377572200056. | 3 | 0.25 | 10.833 |
| 137 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, E. M. Petriu, Data-Driven Optimal Model-Free Control of Twin Rotor Aerodynamic Systems, Proceedings of 2015 IEEE International Conference on Industrial Technology ICIT 2015, Seville, Spain, pp. 161-166, 2015, ISBN 978-1-4799-7800-7, DOI: 10.1109/ICIT.2015.7125093, WOS:000377572200024. | 4 | 0.25 | 8.125 |
| 138 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, A.-I. Stînean, Two Data-Driven Control Algorithms for a MIMO Aerodynamic System with Experimental Validation, Proceedings of 19th International Conference on System Theory, Control and Computing Joint Conference ICSTCC 2015, Cheile Gradistei, Romania, pp. 736-741, 2015, ISBN 978-1-4799-8481-7, DOI: 10.1109/ICSTCC.2015.7321381, WOS:000382384100122. | 4 | 0.25 | 8.125 |

| | | | | |
|---|---|---|---|---|
| 139 | R.-E. Precup, C.-A. Bojan-Dragoş, M. Barbu, S. Caraman, Fuzzy Control of an Anaerobic Digestion Process, Proceedings of 19th International Conference on System Theory, Control and Computing Joint Conference ICSTCC 2015, Cheile Gradistei, Romania, pp. 69-74, 2015, ISBN 978-1-4799-8481-7, DOI: 10.1109/ICSTCC.2015.7321271, WOS:000382384100012. | 4 | 0.25 | 8.125 |
| 140 | S. Caraman, G. Ifrim, E. Ceangă, M. Barbu, M. Titică, R.-E. Precup, Extremum seeking control for an anaerobic digestion process, Proceedings of 19th International Conference on System Theory, Control and Computing Joint Conference ICSTCC 2015, Cheile Gradistei, Romania, pp. 243-248, 2015, ISBN 978-1-4799-8481-7, DOI: 10.1109/ICSTCC.2015.7321300, WOS:000382384100041. | 6 | 0.25 | 5.417 |
| 141 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Bojan-Dragoş, Model Predictive Control of a Mechatronic System with Variable Inputs, Proceedings of 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015, Timisoara, Romania, pp. 271-276, 2015, ISBN 978-1-4799-9911-8, DOI: 10.1109/SACI.2015.7208212, WOS:000380397800050. | 4 | 0.25 | 8.125 |
| 142 | S. Sgaverdea, C.-A. Bojan-Dragoş, R.-E. Precup, St. Preitl, A.-I. Stînean, Model Predictive Controllers for Magnetic Levitation Systems, Proceedings of 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015, Timisoara, Romania, pp. 171-176, 2015, ISBN 978-1-4799-9911-8, DOI: 10.1109/SACI.2015.7208193, WOS:000380397800033. | 5 | 0.25 | 6.500 |
| 143 | R.-E. Precup, A.-D. Balint, E. M. Petriu, M.-B. Rădac, E.-I. Voişan, PI and PID Controller Tuning for an Automotive Application Using Backtracking Search Optimization Algorithms, Proceedings of 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015, Timisoara, Romania, pp. 161-166, 2015, ISBN 978-1-4799-9911-8, DOI: 10.1109/SACI.2015.7208191, WOS:000380397800031. | 5 | 0.25 | 6.500 |
| 144 | E.-I. Voişan, B. Păuliş, R.-E. Precup, F. Drăgan, ROS-Based Robot Navigation and Human Interaction in Indoor Environment, Proceedings of 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015, Timisoara, Romania, pp. 31-36, 2015, ISBN 978-1-4799-9911-8, DOI: 10.1109/SACI.2015.7208244, WOS:000380397800007. | 4 | 0.25 | 8.125 |
| 145 | Á. Takács, S. Jordán, R.-E. Precup, L. Kovács, J. K. Tar, I. J. Rudas, T. Haidegger, Review of Tool-Tissue Interaction Models for Robotic Surgery Applications, Proceedings of IEEE 12th International Symposium on Applied Machine Intelligence and Informatics SAMI 2014, Herl'any, Slovakia, pp. 339-344, 2014, ISBN 978-1-4799-3442-3, DOI: 10.1109/SAMI.2014.6822435, WOS:000355915900065. | 7 | 0.25 | 4.643 |

| | | | | |
|---|---|---|---|---|
| 146 | R.-E. Precup, A.-L. Borza, M.-B. Rădac, E. M. Petriu, Performance Analysis of Torque Motor Systems with PID Controllers Tuned by Bacterial Foraging Optimization Algorithms, Proceedings of 2014 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications CIVEMSA 2014, Ottawa, ON, Canada, pp. 141-146, 2014, ISBN 978-1-4799-2614-5, ISSN 2377-9314, 2014, DOI: 10.1109/CIVEMSA.2014.6841453, WOS:000364200500021. | 4 | 0.25 | 8.125 |
| 147 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, Design and Testing of a Constrained Data-Driven Iterative Reference Input Tuning Algorithm, Proceedings of 2014 European Control Conference ECC 2014, Strasbourg, France, pp. 2034-2039, 2014, ISBN 978-3-9524269-1-3, DOI: 10.1109/ECC.2014.6862222, WOS:000349955702055. | 3 | 0.25 | 10.833 |
| 148 | Cl. Pozna, P. Földesi, R.-E. Precup, L. T. Kóczy, On the development of signatures for artificial intelligence applications, Proceedings of 2014 IEEE International Conference on Fuzzy Systems FUZZ-IEEE 2014, Beijing, China, pp. 1304-1310, 2014, ISBN 978-1-4799-2072-3, ISSN 1544-5615, DOI: 10.1109/FUZZ-IEEE.2014.6891636, WOS:000350793500188. | 4 | 0.25 | 8.125 |
| 149 | R.-E. Precup, E. M. Petriu, L.-O. Fedorovici, M.-B. Rădac, F. Drăgan, Multi-Robot Charged System Search-Based Optimal Path Planning in Static Environments, Proceedings of 2014 IEEE International Symposium on Intelligent Control ISIC 2014 Part of 2014 IEEE Multi-conference on Systems and Control IEEE MSC 2014, Antibes, France, pp. 1912-1917, 2014, ISBN 978-1-4799-7406-1, DOI: 10.1109/ISIC.2014.6967643, WOS:000369855400049. | 5 | 0.25 | 6.500 |
| 150 | M.-B. Rădac, R.-C. Roman, R.-E. Precup, E. M. Petriu, Data-Driven Model-Free Control of Twin Rotor Aerodynamic Systems: Algorithms and Experiments, Proceedings of 2014 IEEE International Symposium on Intelligent Control ISIC 2014 Part of 2014 IEEE Multi-conference on Systems and Control IEEE MSC 2014, Antibes, France, pp. 1889-1894, 2014, ISBN 978-1-4799-7406-1, DOI: 10.1109/ISIC.2014.6967639, WOS:000369855400045. | 4 | 0.25 | 8.125 |
| 151 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, 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, pp. 253-260, 2016, Springer International Publishing, Print ISBN: 978-3-319-31164-7, Online ISBN: 978-3-319-31165-4, Series ISSN: 1868-4238, DOI: 10.1007/978-3-319-31165-4_25, WOS:000406878200025. | 4 | 0.25 | 8.125 |
| 152 | R.-E. Precup, M.-B. Rădac, C.-A. Dragoş, St. Preitl, E. M. Petriu, Model-Free Tuning Solution for Sliding Mode Control of Servo Systems, Proceedings of 8th Annual IEEE International Systems Conference SysCon 2014, Ottawa, ON, Canada, pp. 30-35, 2014, ISBN 978-1-4799-2086-0, ISSN 1944-7620, DOI: 10.1109/SysCon.2014.6819232, WOS:000341949700006. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 153 | R.-E. Precup, R.-C. David, A.-I. Stînean, M.-B. Rădac, E. M. Petriu, Adaptive Hybrid Particle Swarm Optimization-Gravitational Search Algorithm for Fuzzy Controller Tuning, Proceedings of 2014 IEEE International Symposium on Innovations in Intelligent Systems and Applications INISTA 2014, Alberobello, Italy, pp. 14-20, 2014, ISBN 978-1-4799-3020-3, DOI: 10.1109/INISTA.2014.6873591, WOS:000346665300003. | 5 | 0.25 | 6.500 |
| 154 | R.-E. Precup, M.-C. Sabău, C.-A. Dragoş, M.-B. Rădac, L.-O. Fedorovici, E. M. Petriu, Particle swarm optimization of fuzzy models for anti-lock braking systems, Proceedings of IEEE Conference on Evolving and Adaptive Intelligent Systems EAIS 2014, Linz, Austria, paper index 05, 6 pp., 2014, ISBN 978-1-4799-3347-1, ISSN 2330-4863, DOI: 10.1109/EAIS.2014.6867463, WOS:000346664100004. | 6 | 0.25 | 5.417 |
| 155 | R.-E. Precup, A.-L. Borza, M.-B. Rădac, E. M. Petriu, Bacterial Foraging Optimization Approach to the Controller Tuning for Automotive Torque Motors, Proceedings of IEEE 23rd International Symposium on Industrial Electronics ISIE 2014, Istanbul, Turkey, pp. 972-977, 2014, ISBN 978-1-4799-2399-1, ISSN 2163-5137, DOI: 10.1109/ISIE.2014.6864744, WOS:000346705600160. | 4 | 0.25 | 8.125 |
| 156 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, Data-Driven Model-Free Adaptive Control of Twin Rotor Aerodynamic Systems, Proceedings of IEEE 9th International Symposium on Applied Computational Intelligence and Informatics SACI 2014, Timisoara, Romania, ISBN 978-1-4799-4694-5, 2014, pp. 25-30, DOI: 10.1109/SACI.2014.6840079, WOS:000343400600004. | 3 | 0.25 | 10.833 |
| 157 | A.-I. Stînean, St. Preitl, R.-E. Precup, M. Crainic, Study on Experimental Plant of Positioning Control Solutions for Processes with Variable Moment of Inertia, Proceedings of IEEE 9th International Symposium on Applied Computational Intelligence and Informatics SACI 2014, Timisoara, Romania, ISBN 978-1-4799-4694-5, 2014, pp. 37-42, DOI: 10.1109/SACI.2014.6840095, WOS:000343400600006. | 4 | 0.25 | 8.125 |
| 158 | E.-I. Voişan, R.-E. Precup, F. Drăgan, Initialization and Lost Track Recovery Performance Analysis of Face Features Tracking, Proceedings of IEEE 9th International Symposium on Applied Computational Intelligence and Informatics SACI 2014, Timisoara, Romania, ISBN 978-1-4799-4694-5, 2014, pp. 243-248, DOI: 10.1109/SACI.2014.6840069, WOS:000343400600041. | 3 | 0.25 | 10.833 |
| 159 | C. Cernăzanu-Glavan, D. Todinca, R.-E. Precup, DeeDee - A Mobile Intelligent System able to Assist a Type 1 Diabetic through the Daily Life, Proceedings of IEEE 9th International Symposium on Applied Computational Intelligence and Informatics SACI 2014, Timisoara, Romania, ISBN 978-1-4799-4694-5, 2014, pp. 343-347, DOI: 10.1109/SACI.2014.6840089, WOS:000343400600060. | 3 | 0.25 | 10.833 |

| | | | | |
|---|---|---|---|---|
| 160 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, M. Crainic, Adaptable fuzzy control solutions for driving systems working under continuously variable conditions, Proceedings of 14th IEEE International Symposium on Computational Intelligence and Informatics CINTI 2013, Budapest, Hungary, pp. 231-237, 2013, ISBN 978-1-4799-0194-4, 978-1-4799-0197-5, DOI: 10.1109/CINTI.2013.6705198, WOS:000345626300039. | 6 | 0.25 | 5.417 |
| 161 | M.-B. Rădac, R.-C. Roman, R.-E. Precup, E. M. Petriu, C.-A. Dragoş, St. Preitl, Data-based Tuning of Linear Controllers for MIMO Twin Rotor Systems, Proceedings of IEEE Region 8 EuroCon 2013 Conference, Zagreb, Croatia, pp. 1915-1920, 2013, ISBN 978-1-4673-2232-4, 978-1-4673-2230-0, DOI: 10.1109/EUROCON.2013.6625240, WOS:000343135600283. | 6 | 0.25 | 5.417 |
| 162 | R.-E. Precup, M.-B. Rădac, E. M. Petriu, C.-A. Dragoş, St. Preitl, Simulated Annealing Approach to Fuzzy Modeling of Servo Systems, Proceedings of 2013 IEEE International Conference on Cybernetics CYBCONF 2013, Lausanne, Switzerland, pp. 267-272, 2013, ISBN 978-1-4673-6469-0, DOI: 10.1109/CYBConf.2013.6617449, WOS:000340924600045. | 5 | 0.25 | 6.500 |
| 163 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, E. M. Petriu, M.-B. Rădac, Solutions to Avoid the Worst Case Scenario in Driving Systems Working Under Continuously Variable Conditions, Proceedings of IEEE 9th International Conference on Computational Cybernetics ICCC 2013, Tihany, Hungary, pp. 339-344, 2013, ISBN 978-1-4799-0063-3, 978-1-4799-0060-2, DOI: 10.1109/ICCCyb.2013.6617615, WOS:000335378100061. | 6 | 0.25 | 5.417 |
| 164 | C. Purcaru, R.-E. Precup, D. Iercan, L.-O. Fedorovici, E. M. Petriu, E.-I. Voişan, Multi-Robot GSA- and PSO-Based Optimal Path Planning in Static Environments, Proceedings of 9th International Workshop on Robot Motion and Control RoMoCo '13, Wasowo, Poland, pp. 197-202, 2013, ISBN 978-1-4673-5510-0, 978-1-4673-5511-7, DOI: 10.1109/RoMoCo.2013.6614608, WOS:000335775300034. | 6 | 0.25 | 5.417 |
| 165 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, E. M. Petriu, Low-Cost Neuro-Fuzzy Control Solution for Servo Systems with Variable Parameters, Proceedings of 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications CIVEMSA 2013, Milano, Italy, pp. 156-161, 2013, ISBN 978-1-4673-4703-7, DOI: 10.1109/CIVEMSA.2013.6617413, WOS:000335384000028. | 6 | 0.25 | 5.417 |
| 166 | R.-E. Precup, M.-B. Rădac, E. M. Petriu, C.-A. Dragoş, St. Preitl, A.-I. Stînean, Data-Driven Performance Improvement of Control Systems for Three-Tank Systems, Proceedings of 2013 6th International Conference on Human System Interactions HSI 2013, Gdansk, Sopot, Poland, pp. 306-311, 2013, ISBN 978-1-4673-5637-4, 978-1-4673-5635-0, ISSN 2158-2246, DOI: 10.1109/HSI.2013.6577840, WOS:000333257400046. | 6 | 0.25 | 5.417 |

| | | | | |
|---|---|---|---|---|
| 167 | C.-A. Dragoş, R.-E. Precup, R.-C. David, S. Preitl, A.-I. Stînean, E. M. Petriu, Simulated annealing-based optimization of fuzzy models for magnetic levitation systems, Proceedings of 2013 Joint IFSA World Congress and NAFIPS Annual Meeting IFSA/NAFIPS 2013, Edmonton, AB, Canada, pp. 286-291, 2013, ISBN 978-1-4799-0348-1, DOI: 10.1109/IFSA-NAFIPS.2013.6608414, WOS:000333960300050. | 6 | 0.25 | 5.417 |
| 168 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, E. M. Petriu, Modeling and Control of An Electric Drive System with Continuously Variable Reference, Moment of Inertia and Load Disturbance, Proceedings of 9th Asian Control Conference ASCC 2013, Istanbul, Turkey, paper 585, 6 pp., 2013, ISBN 978-1-4673-5769-2, 978-1-4673-5767-8, DOI: 10.1109/ASCC.2013.6606301, WOS:000333734900312. | 6 | 0.25 | 5.417 |
| 169 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoş, Constrained Data-Driven Controller Tuning for Nonlinear Systems, Proceedings of 39th Annual Conference of the IEEE Industrial Electronics Society IECON 2013, Vienna, Austria, pp. 3402-3407, 2013, ISBN 978-1-4799-0224-8, ISSN 1553-572X, DOI: 10.1109/IECON.2013.6699675, WOS:000331149503056. | 5 | 0.25 | 6.500 |
| 170 | L.-O. Fedorovici, R.-E. Precup, F. Drăgan, C. Purcaru, Evolutionary Optimization-Based Training of Convolutional Neural Networks for OCR Applications, Proceedings of 2013 17th International Conference on System Theory, Control and Computing ICSTCC 2013, Sinaia, Romania, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, 2013, pp. 207-212, DOI: 10.1109/ICSTCC.2013.6688961, WOS:000330660500034. | 4 | 0.25 | 8.125 |
| 171 | C. Purcaru, R.-E. Precup, D. Iercan, L.-O. Fedorovici, R.-C. David, Hybrid PSO-GSA Robot Path Planning Algorithm in Static Environments with Danger Zones, Proceedings of 2013 17th International Conference on System Theory, Control and Computing ICSTCC 2013, Sinaia, Romania, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, 2013, pp. 434-439, DOI: 10.1109/ICSTCC.2013.6688997, WOS:000330660500067. | 5 | 0.25 | 6.500 |
| 172 | C. Purcaru, R.-E. Precup, D. Iercan, L.-O. Fedorovici, B. Dohangie, F. Drăgan, nRobotic Mobile Robot Navigation Using Traffic Signs in Unknown Indoor Environments, Proceedings of IEEE 8th International Symposium on Applied Computational Intelligence and Informatics (SACI 2013), Timisoara, Romania, ISBN 978-1-4673-6400-3, 978-1-4673-6397-6, 2013, pp. 29-34, DOI: 10.1109/SACI.2013.6608982, WOS:000333188100004. | 6 | 0.25 | 5.417 |
| 173 | M.-B. Rădac, R.-A. Achimescu, R.-E. Precup, St. Preitl, C.-A. Dragoş, A.-I. Stînean, Design and Experiments for Model-Free PI Control of DC Drives, Proceedings of IEEE 8th International Symposium on Applied Computational Intelligence and Informatics (SACI 2013), Timisoara, Romania, ISBN 978-1-4673-6400-3, 978-1-4673-6397-6, 2013, pp. 103-108, DOI: 10.1109/SACI.2013.6608947, WOS:000333188100018. | 6 | 0.25 | 5.417 |

| | | | | |
|---|---|---|---|---|
| 174 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, E. M. Petriu, M.-B. Rădac, 2-DOF Control Solutions for an Electric Drive System under Continuously Variable Conditions, Proceedings of IEEE 8th International Symposium on Applied Computational Intelligence and Informatics (SACI 2013), Timisoara, Romania, ISBN 978-1-4673-6400-3, 978-1-4673-6397-6, 2013, pp. 115-120, DOI: 10.1109/SACI.2013.6608950, WOS:000333188100020. | 6 | 0.25 | 5.417 |
| 175 | E.-I. Voişan, O. Mărginean, R.-E. Precup, F. Drăgan, C. Purcaru, Performance Evaluation of a Face Detection Algorithm Running on General Purpose Operating Systems, Proceedings of IEEE 8th International Symposium on Applied Computational Intelligence and Informatics (SACI 2013), Timisoara, Romania, ISBN 978-1-4673-6400-3, 978-1-4673-6397-6, 2013, pp. 163-168, DOI: 10.1109/SACI.2013.6608959, WOS:000333188100029. | 5 | 0.25 | 6.500 |
| 176 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoş, Experiment-Based Approach to Reference Trajectory Tracking, Proceedings of 2012 IEEE International Conference on Control Applications (CCA), Part of 2012 IEEE Multi-Conference on Systems and Control, Dubrovnik, Croatia, pp. 470-475, 2012, ISSN 1085-1992, ISBN 978-1-4673-4505-7, DOI: 10.1109/CCA.2012.6402388, WOS:000320336200064. | 5 | 0.25 | 6.500 |
| 177 | R.-E. Precup, H.-I. Filip, M.-B. Rădac, Cl. Pozna, C.-A. Dragoş, St. Preitl, Experimental results of evolving Takagi-Sugeno fuzzy models for a nonlinear benchmark, Proceedings of 2012 IEEE 3rd International Conference on Cognitive Infocommunications CogInfoCom 2012, Kosice, Slovakia, pp. 567-572, 2012, ISBN 978-1-4673-5188-1, DOI: 10.1109/CogInfoCom.2012.6422044, WOS:000320454200089. | 6 | 0.25 | 5.417 |
| 178 | A.-I. Stînean, St. Preitl, R.-E. Precup, E. M. Petriu, C.-A. Dragoş, M.-B. Rădac, 2-DOF PI(D) Takagi-Sugeno and Sliding Mode Controllers for BLDC Drives, Proceedings of 15th International Power Electronics and Motion Control Conference EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia, pp. DS2a.7-1-DS2a.7-6, 2012, ISBN 978-1-4673-1972-0, DOI: 10.1109/EPEPEMC.2012.6397258, WOS:000337270600068. | 6 | 0.25 | 5.417 |
| 179 | Cl. Pozna, R.-E. Precup, A general formulation of abduction algorithms, Proceedings of 2012 IEEE 3rd International Conference on Cognitive Infocommunications CogInfoCom 2012, Kosice, Slovakia, pp. 573-578, 2012, ISBN 978-1-4673-5188-1, DOI: 10.1109/CogInfoCom.2012.6421956, WOS:000320454200090. | 2 | 0.25 | 16.250 |
| 180 | C.-A. Dragoş, St. Preitl, R.-E. Precup, 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, Print ISBN 978-3-642-23171-1, Online ISBN 978-3-642-23172-8, ISSN 1867-5662, DOI: 10.1007/978-3-642-23172-8_18, 2012, WOS:000307258800018. | 4 | 0.25 | 8.125 |

| | | | | |
|---|---|---|---|---|
| 181 | C.-A. Dragoş, St. Preitl, R.-E. Precup, E. M. Petriu, A.-I. Stînean, Adaptive Control Solutions for the Position Control of Electromagnetic Actuated Clutch Systems, Proceedings of 2012 IEEE Intelligent Vehicles Symposium IEEE IV'12, Alcala de Henares, Spain, pp. 81-86, 2012, ISBN 978-1-4673-2118-1, DOI: 10.1109/IVS.2012.6232207, Accession Number: WOS:000309167700013. | 5 | 0.25 | 6.500 |
| 182 | B.-S. Cerveneak, M.-B. Rădac, R.-E. Precup, A.-I. Stînean, E. M. Petriu, St. Preitl, C.-A. Dragoş, Novel Iterative Formulation of Correlation-Based Tuning, Proceedings of 2012 IEEE International Conference on Industrial Technology ICIT 2012, Athens, Greece, pp. 898-903, 2012, ISBN 978-1-4673-0342-2, DOI: 10.1109/ICIT.2012.6210051, Accession Number: WOS:000309185900148. | 7 | 0.25 | 4.643 |
| 183 | St. Preitl, R.-E. Precup, A.-I. Stînean, C.-A. Dragoş, M.-B. Rădac, Control structures for variable inertia output coupled drives, Proceedings of 4th IEEE International Symposium on Logistics and Industrial Informatics LINDI 2012, Smolenice, Slovakia, pp. 179-184, 2012, ISBN 978-1-4673-4519-4, DOI: 10.1109/LINDI.2012.6319484, Accession Number: WOS:000309938300034. | 5 | 0.25 | 6.500 |
| 184 | Cl. Pozna, R.-E. Precup, Novel design of cognitive system strategies, Proceedings of 4th IEEE International Symposium on Logistics and Industrial Informatics LINDI 2012, Smolenice, Slovakia, pp. 205-214, 2012, ISBN 978-1-4673-4519-4, DOI: 10.1109/LINDI.2012.6319489, WOS:000309938300039. | 2 | 0.25 | 16.250 |
| 185 | R.-E. Precup, M.-B. Rădac, H.-I. Filip, St. Preitl, C.-A. Dragoş, E. M. Petriu, Signal Processing in Iterative Improvement of Inverted Pendulum Crane Mode Control System Performance, Proceedings of 2012 IEEE International Instrumentation and Measurement Technology Conference I2MTC 2012, Graz, Austria, pp. 812-815, 2012, ISSN 1091-5281, ISBN 978-1-4577-1771-0, DOI: 10.1109/I2MTC.2012.6229296, WOS:000309449100154. | 6 | 0.25 | 5.417 |
| 186 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, B.-S. Cerveneak, C.-A. Dragoş, St. Preitl, Stable Iterative Correlation-Based Tuning Algorithm for Servo Systems, Proceedings of 38th Annual Conference of the IEEE Industrial Electronics Society IECON 2012, Montreal, QC, Canada, pp. 2500-2505, 2012, ISSN 1553-572X, ISBN 978-1-4673-2421-2, DOI: 10.1109/IECON.2012.6388856, WOS:000316962902036. | 6 | 0.25 | 5.417 |
| 187 | Cl. Pozna, L. T. Kóczy, R.-E. Precup, N. Minculete, Á. Ballagi, A cooperation scenario for multiagent systems, Proceedings of IEEE Region 8 Conference AFRICON 2011, Livingstone, Zambia, paper index 205, 6 pp., 2011, ISBN 978-1-61284-993-5, DOI: /10.1109/AFRCON.2011.6071961, WOS:000298383100005. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 188 | R.-E. Precup, P. A. Ianc, E. M. Petriu, C.-A. Dragoş, St. Preitl, M.-B. Rădac, Low-Cost Fuzzy Control Approaches to a Class of State Feedback-Controlled Servo Systems, Proceedings of 2011 IEEE/ASME International Conference on Advanced Intelligent Mechatronics AIM 2011, Budapest, Hungary, pp. 1022-1027, 2011, ISSN 2159-6255, ISBN 978-1-4577-0839-8, DOI: 10.1109/AIM.2011.6027081, WOS:000298805800170. | 6 | 0.25 | 5.417 |
| 189 | C.-A. Dragoş, St. Preitl, R.-E. Precup, E. M. Petriu, A.-I. Stînean, A Comparative Case Study of Position Control Solutions for a Mechatronics Application, Proceedings of 2011 IEEE/ASME International Conference on Advanced Intelligent Mechatronics AIM 2011, Budapest, Hungary, pp. 814-819, 2011, ISSN 2159-6255, ISBN 978-1-4577-0839-8, DOI: 10.1109/AIM.2011.6027095, WOS:000298805800136. | 5 | 0.25 | 6.500 |
| 190 | M.-B. Rădac, R.-B. Grad, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoş, Mixed Virtual Reference Feedback Tuning - Iterative Feedback Tuning: Method and Laboratory Assessment, Proceedings of 20th IEEE International Symposium on Industrial Electronics ISIE 2011, Gdansk, Poland, pp. 649-654, 2011, ISBN 978-1-4244-9312-8, DOI: 10.1109/ISIE.2011.5984234, WOS:000297160600103. | 6 | 0.25 | 5.417 |
| 191 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, R.-C. David, Stable Iterative Feedback Tuning Method for Servo Systems, Proceedings of 20th IEEE International Symposium on Industrial Electronics ISIE 2011, Gdansk, Poland, pp. 1943-1948, 2011, ISBN 978-1-4244-9312-8, DOI: 10.1109/ISIE.2011.5984455, WOS:000297160600307. | 5 | 0.25 | 6.500 |
| 192 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, P. A. Ianc, St. Preitl, C.-A. Dragoş, Low-Cost Optimal State Feedback Fuzzy Control of Nonlinear Second-Order Servo Systems, Proceedings of 2011 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications CIMSA 2011, Ottawa, ON, Canada, pp. 103-106, 2011, ISBN 978-1-61284-923-2, DOI: 10.1109/CIMSA.2011.6059915, WOS:000298805900019 | 6 | 0.25 | 5.417 |
| 193 | C.-A. Dragoş, R.-E. Precup, E. M. Petriu, M. L. Tomescu, St. Preitl, R.-C. David, M.-B. Rădac, 2-DOF PI-Fuzzy Controllers for a Magnetic Levitation System, 8th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2011), Noordwijkerhout, The Netherlands, Proceedings, ISBN: 978-989-8425-74-4, vol. 1, pp. 111-116, 2011, DOI: 10.5220/0003537201110116, WOS:000392351500020 | 7 | 0.25 | 4.643 |
| 194 | R.-E. Precup, F.-C. Enache, M.-B. Rădac, E. M. Petriu, C.-A. Dragoş, St. Preitl, Iterative Learning Control Application to a 3D Crane System, 8th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2011), Noordwijkerhout, The Netherlands, Proceedings, ISBN: 978-989-8425-74-4, vol. 1, pp. 117-122, 2011, DOI: 10.5220/0003537301170122, WOS:000392351500021. | 6 | 0.25 | 5.417 |

| | | | | |
|---|---|---|---|---|
| 195 | R.-E. Precup, M. L. Tomescu, E. M. Petriu, St. Preitl, J. Fodor, D. Bărbulescu, Stability Analysis of a Class of MIMO Fuzzy Control Systems, Proceedings of 2010 IEEE International Conference on Fuzzy Systems FUZZ-IEEE 2010, Barcelona, Spain, pp. 2885-2890, 2010, ISSN 1098-7584, ISBN 978-1-4244-6920-8, DOI: 10.1109/FUZZY.2010.5584587, WOS:000287453600054. | 6 | 0.25 | 5.417 |
| 196 | R.-E. Precup, I. Moşincat, M.-B. Rădac, St. Preitl, St. Kilyeni, E. M. Petriu, C.-A. Dragoş, Experiments in Iterative Feedback Tuning for Level Control of Three-Tank System, Proceedings of 15th IEEE Mediterranean Electromechanical Conference MELECON 2010, Valletta, Malta, pp. 564-569, 2010, ISBN 978-1-4244-5795-3, DOI: 0.1109/MELCON.2010.5476027, WOS:000286988200104. | 7 | 0.25 | 4.643 |
| 197 | R.-E. Precup, S. V. Spătaru, E. M. Petriu, St. Preitl, M.-B. Rădac, C.-A. Dragoş, Stable and Optimal Fuzzy Control of a Laboratory Antilock Braking System, Proceedings of 2010 IEEE/ASME International Conference on Advanced Intelligent Mechatronics AIM 2010, Montreal, Canada, pp. 593-598, 2010, ISSN 2159-6255, ISBN 978-1-4244-8030-2, DOI: 10.1109/AIM.2010.5695728, WOS:000312904200099 | 6 | 0.25 | 5.417 |
| 198 | R.-E. Precup, L.-T. Dioanca, E. M. Petriu, M.-B. Rădac, St. Preitl, C.-A. Dragoş, Tensor Product-Based Real-time Control of the Liquid Levels in a Three Tank System, Proceedings of 2010 IEEE/ASME International Conference on Advanced Intelligent Mechatronics AIM 2010, Montreal, Canada, pp. 768-773, 2010, ISSN 2159-6255, ISBN 978-1-4244-8030-2, DOI: 10.1109/AIM.2010.5695727, WOS:000312904200128. | 6 | 0.25 | 5.417 |
| 199 | R.-E. Precup, S. V. Spătaru, M.-B. Rădac, E. M. Petriu, S. Preitl, C.-A. Dragoş, Model-based Fuzzy Control Solutions for a Laboratory Antilock Braking System, 3rd International Conference on Human System Interaction HSI 2010, Rzeszow, Polonia, Proceedings, ISBN 978-1-4244-7561-2, pp. 133-138, 2010, DOI: 10.1109/HSI.2010.5514577, WOS:000416070000022. | 6 | 0.25 | 5.417 |
| 200 | C.-A. Dragoş, S. Preitl, R.-E. Precup, E. M. Petriu, Magnetic Levitation System Laboratory-based Education in Control Engineering, 3rd International Conference on Human System Interaction HSI 2010, Rzeszow, Polonia, Proceedings, ISBN 978-1-4244-7561-2, pp. 496-501, 2010, DOI: 10.1109/HSI.2010.5514522, WOS:000416070000076. | 4 | 0.25 | 8.125 |
| 201 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoş, Iterative Feedback Tuning Approach to a Class of State Feedback-Controlled Servo Systems, Proceedings of 6th International Conference on Informatics in Control, Automation and Robotics ICINCO 2009, Milan, Italy, vol. 1 Intelligent Control Systems and Optimization, pp. 41-48, 2009, ISBN 978-989-8111-99-9, DOI: 10.5220/0002204400410048, WOS:000282033700010. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 202 | R.-E. Precup, M.-B. Rădac, St. Preitl, M.-L. Tomescu, E. M. Petriu, A. S. Paul, IFT-based PI-fuzzy Controllers: Signal Processing and Implementation, Proceedings of 6th International Conference on Informatics in Control, Automation and Robotics ICINCO 2009, Milan, Italy, vol. 1 Intelligent Control Systems and Optimization, pp. 207-212, 2009, ISBN 978-989-8111-99-9, DOI: 10.5220/0002204502070212, WOS:000282033700034. | 6 | 0.25 | 5.417 |
| 203 | R.-E. Precup, M.-B. Rădac, St. Preitl, E. M. Petriu, J. Fodor, On the Optimal Design of Low-Cost Fuzzy Controllers for Ship Course Control, Proceedings of 51st International Symposium ELMAR-2009, Zadar, Croatia, pp. 163-166, 2009, ISSN 1334-2630, ISBN 978-953-7044-10-7, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5342837, WOS:000321555200037. | 5 | 0.25 | 6.500 |
| 204 | R.-E. Precup, M.-B. Rădac, St. Preitl, E. M. Petriu, 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, Print ISBN 978-3-642-03736-8, Online ISBN 978-3-642-03737-5, ISSN 1860-949X, DOI: 10.1007/978-3-642-03737-5_13, 2009, WOS:000269459600013. | 5 | 0.25 | 6.500 |
| 205 | Cl. Pozna, R.-E. Precup, St. Preitl, F. Troester, 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, Print ISBN 978-3-642-03736-8, Online ISBN 978-3-642-03737-5, ISSN 1860-949X, DOI: 10.1007/978-3-642-03737-5_19, 2009, WOS:000269459600019. | 5 | 0.25 | 6.500 |
| 206 | R.-E. Precup, St. Preitl, E. M. Petriu, J. K. Tar, M.-B. Rădac, C.-A. Dragoş, Stable Design of Fuzzy Controllers for Robotic Telemanipulation Applications, 2009 IEEE Workshop on Computational Intelligence in Virtual Environments CIVE 2009, Nashville, TN (SUA), Proceedings, ISBN 978-1-4244-2772-7, pp. 1-6, 2009, DOI: 10.1109/CIVE.2009.4926310, WOS:000272027000001. | 6 | 0.25 | 5.417 |
| 207 | Cl. Pozna, R.-E. Precup, Modeling Derived from Bayesian Filtering: Analysis of Estimation Process, 13th International Conference on Intelligent Engineering Systems INES 2009, Barbados, Proceedings, ISBN 978-1-4244-4113-6, pp. 73-78, 2009, DOI: 10.1109/INES.2009.4924740, WOS:000270809000011. | 2 | 0.25 | 16.250 |
| 208 | M.-B. Rădac, R.-E. Precup, St. Preitl, E. M. Petriu, C.-A. Dragoş, A. S. Paul, St. Kilyeni, Signal Processing Aspects in State Feedback Control Based on Iterative Feedback Tuning, 2nd International Conference on Human System Interaction HSI'09, Catania (Italia), Proceedings, ISBN 978-1-4244-3960-7, pp. 40-45, 2009, DOI: 10.1109/HSI.2009.5090950, WOS:000273919200007. | 7 | 0.25 | 4.643 |

| | | | | |
|---|---|---|---|---|
| 209 | R.-E. Precup, M. L. Tomescu, St. Preitl, E. M. Petriu, St. Kilyeni, C. Bărbulescu, Stability Analysis Approach to a Class of Fuzzy Controlled Nonlinear Time-varying Systems, IEEE Region 8 EUROCON 2009 Conference, Saint-Petersburg (Rusia), Proceedings, ISBN 978-1-4244-3861-7, pp. 970-975, 2009, DOI: 10.1109/EURCON.2009.5167750, WOS:000272589500155. | 6 | 0.25 | 5.417 |
| 210 | C. Bărbulescu, St. Kilyeni, Gh. Vuc, B. Luştrea, R.-E. Precup, St. Preitl, Software Tool for Power Transfer Distribution Factors (PTDF) Computing within the Power Systems, IEEE Region 8 EUROCON 2009 Conference, Saint-Petersburg (Rusia), Proceedings, ISBN 978-1-4244-3861-7, pp. 532-539, 2009, DOI: 10.1109/EURCON.2009.5167681, WOS:000272589500086. | 6 | 0.25 | 5.417 |
| 211 | C.-A. Dragoş, St. Preitl, R.-E. Precup, Model Predictive Control Solutions for an Electromagnetic Actuator, 7th International Symposium on Intelligent Systems and Informatics SISY 2009, Subotica (Serbia), Proceedings, ISBN 978-1-4244-5349-8, pp. 59-64, 2009, DOI: 10.1109/SISY.2009.5291118, WOS:000276175300009. | 3 | 0.25 | 10.833 |
| 212 | R.-E. Precup, C. Gavriluţă, M.-B. Rădac, St. Preitl, C.-A. Dragoş, J. K. Tar, E. M. Petriu, Iterative Learning Control Experimental Results for Inverted Pendulum Crane Mode Control, 7th International Symposium on Intelligent Systems and Informatics SISY 2009, Subotica (Serbia), Proceedings, ISBN 978-1-4244-5349-8, pp. 323-328, 2009, DOI: 10.1109/SISY.2009.5291138, WOS:000276175300061. | 7 | 0.25 | 4.643 |
| 213 | Cl. Pozna, R.-E. Precup, N. Minculete, Cs. Antonya, Characteristics of a New Abstraction Model, 4th International Symposium on Computational Intelligence and Intelligent Informatics ISCIII 2009, Egipt, Proceedings, ISBN 978-1-4244-5382-5, pp. 129-134, 2009, DOI: 10.1109/ISCIII.2009.5342270, WOS:000275861400020. | 4 | 0.25 | 8.125 |
| 214 | M.-B. Rădac, R.-E. Precup, St. Preitl, C.-A. Dragoş, Iterative Feedback Tuning in MIMO Systems. Signal Processing and Application, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009, Timişoara, Proceedings, ISBN 978-1-4244-4477-9, 2009, pp. 77-82, DOI: 10.1109/SACI.2009.5136216, WOS:000273929400013. | 4 | 0.25 | 8.125 |
| 215 | C.-A. Dragoş, St. Preitl, M.-B. Rădac, R.-E. Precup, Nonlinear and Linearized Models and Low-cost Control Solution for an Electromagnetic Actuator, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009, Timişoara, Proceedings, ISBN 978-1-4244-4477-9, 2009, pp. 89-94, DOI: 10.1109/SACI.2009.5136218, WOS:000273929400015. | 4 | 0.25 | 8.125 |
| 216 | J. K. Tar, J. F. Bitó, I. J. Rudas, St. Preitl, R.-E. Precup, An SVD Based Modification of the Adaptive Inverse Dynamics Controller, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009, Timişoara, Proceedings, ISBN 978-1-4244-4477-9, 2009, pp. 193-198, DOI: 10.1109/SACI.2009.5136240, WOS:000273929400035. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 217 | O. Baniaş, R.-E. Precup, D. Curiac, Multiagent architecture applied in decentralized real-time urban road traffic control, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009, Timişoara, Proceedings, ISBN 978-1-4244-4477-9, 2009, pp. 271-276, DOI: 10.1109/SACI.2009.5136255, WOS:000273929400049. | 3 | 0.25 | 10.833 |
| 218 | A. S. Paul, R.-E. Precup, J. Fodor, M.-B. Rădac, New Experimental Setups for Audio Signal Processing, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009, Timişoara, Proceedings, ISBN 978-1-4244-4477-9, 2009, pp. 405-410, DOI: 10.1109/SACI.2009.5136282, WOS:000273929400074. | 4 | 0.25 | 8.125 |
| 219 | R.-E. Precup, St. Preitl, E. M. Petriu, J. K. Tar, J. Fodor, Iterative Learning-Based Fuzzy Control System, Proceedings of IEEE International Workshop on Robotic and Sensors Environments ROSE 2008, Ottawa, ON, Canada, pp. 25-28, 2008, ISBN 978-1-4244-2594-5, DOI: 10.1109/ROSE.2008.4669175, WOS:000264584500005. | 5 | 0.25 | 6.500 |
| 220 | St. Preitl, R.-E. Precup, P. A. Clep, I.-B. Ursache, J. Fodor, I. Škrjanc, Pole Placement Approaches for Linear and Fuzzy Systems, Proceedings of 6th International Symposium on Intelligent Systems and Informatics SISY 2008, Subotica, Serbia, CD-ROM, paper index 77, 6 pp., 2008, ISBN 978-1-4244-2406-1, DOI: 10.1109/SISY.2008.4664975, WOS:000265601200077. | 6 | 0.25 | 5.417 |
| 221 | M.-B. Rădac, R.-E. Precup, St. Preitl, J. K. Tar, E. M. Petriu, Linear and Fuzzy Control Solutions for a Laboratory Anti-lock Braking System, Proceedings of 6th International Symposium on Intelligent Systems and Informatics SISY 2008, Subotica, Serbia, CD-ROM, paper index 49, 6 pp., 2008, ISBN 978-1-4244-2406-1, DOI: 10.1109/SISY.2008.4664947, WOS:000265601200049 | 5 | 0.25 | 6.500 |
| 222 | St. Preitl, R.-E. Precup, Gy. Kártyás, J. Gáti, Model Based Concept for Higher Education on the Way Towards Highly Integrated Solutions in Computer Systems, Proceedings of 12th International Conference on Intelligent Engineering Systems INES 2008, Miami, FL, USA, pp. 99-102, 2008, ISBN 978-1-4244-2082-7, DOI: 10.1109/INES.2008.4481276, WOS:000254861100015. | 4 | 0.25 | 8.125 |
| 223 | Cl. Pozna, R.-E. Precup, Using Plausible Reasoning in Modular Robots Kinematics, Proceedings of 12th International Conference on Intelligent Engineering Systems INES 2008, Miami, FL, USA, pp. 243-248, 2008, ISBN 978-1-4244-2082-7, DOI: 10.1109/INES.2008.4481302, WOS:000254861100041. | 2 | 0.25 | 16.250 |
| 224 | R.-E. Precup, St. Preitl, P. A, Clep, I.-B. Ursache, J. K. Tar, J. Fodor, Stable Fuzzy Control Systems with Iterative Feedback Tuning, Proceedings of 12th International Conference on Intelligent Engineering Systems INES 2008, Miami, FL, USA, pp. 287-292, 2008, ISBN 978-1-4244-2082-7, DOI: 10.1109/INES.2008.4481309, WOS:000254861100048. | 6 | 0.25 | 5.417 |

| | | | | |
|---|---|---|---|---|
| 225 | R.-E. Precup, St. Preitl, J. K. Tar, J. Fodor, I.-B. Ursache, P. A. Clep, Low-Cost Fuzzy Logic Approach to Ship Course Control, Proceedings of 50th International Symposium ELMAR-2008, Zadar, Croatia, vol. 2, pp. 423-426, 2008, ISBN 978-953-7044-06-0, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4747533, WOS:000261021200098. | 6 | 0.25 | 5.417 |
| 226 | R.-E. Precup, St. Preitl, J. Fodor, I.-B. Ursache, P. A. Clep, St. Kilyeni, Experimental Validation of Iterative Feedback Tuning Solutions for Inverted Pendulum Crane Mode Control, Proceedings of 2008 Conference on Human System Interaction HSI 2008, Krakow, Poland, pp. 536-541, 2008, ISSN 1017-4656, ISBN 978-1-4244-1542-7, DOI: 10.1109/HSI.2008.4581496, WOS:000259867600098. | 6 | 0.25 | 5.417 |
| 227 | R.-E. Precup, St. Preitl, M. L. Tomescu, E. M. Petriu, J. K. Tar, C. Bărbulescu, Stable Iterative Feedback Tuning-based Design of Takagi-Sugeno PI-Fuzzy Controllers (Best Paper Award in the Area of Intelligent Control), Proceedings of 2008 Conference on Human System Interaction HSI 2008, Krakow, Poland, pp. 542-547, 2008, ISSN 1017-4656, ISBN 978-1-4244-1542-7, DOI: 10.1109/HSI.2008.4581497, WOS:000259867600099. | 6 | 0.25 | 5.417 |
| 228 | R.-E. Precup, St. Preitl, I.-B. Ursache, P. A. Clep, P. Baranyi, J. K. Tar, On the Combination of Tensor Product and Fuzzy Models, 2008 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2008 – THETA 16th edition, Cluj-Napoca, Proceedings, ISBN 978-1-4244-2576-1, 2008, vol. 2, pp. 48-53, DOI: 10.1109/AQTR.2008.4588792, WOS:000259080000003. | 6 | 0.25 | 5.417 |
| 229 | R.-E. Precup, Zs. Preitl, E. M. Petriu, Delta Domain Design of Low-Cost Fuzzy Controlled Servosystems, Proceedings of 2007 IEEE International Symposium on Intelligent Signal Processing WISP 2007, Alcala de Henares (Madrid), Spain, CD-ROM, paper index 884, 6 pp., 2007, ISBN 978-1-4244-0829-0, DOI: 10.1109/WISP.2007.4447588, WOS:000252961000022. | 3 | 0.25 | 10.833 |
| 230 | R.-E. Precup, St. Preitl, St. Kilyeni, J. K. Tar, B. Luştrea, Iterative Learning Control Approach to Fuzzy Control Systems Development, Proceedings of IEEE Region 8 EUROCON 2007 Computer as a Tool Conference, Warsaw, Poland, pp. 692-697, 2007, ISBN 978-1-4244-0812-2, DOI: 10.1109/EURCON.2007.4400274, WOS:000257261900051. | 5 | 0.25 | 6.500 |
| 231 | R.-E. Precup, St. Preitl, St. Kilyeni, Zs. Preitl, C. Bărbulescu, Fuzzy Control Systems Dedicated to Electro-hydraulic Servo-systems. IFT Techniques and Sensitivity Analysis, Proceedings of IEEE Region 8 EUROCON 2007 Computer as a Tool Conference, Warsaw, Poland, pp. 1409-1416, 2007, ISBN 978-1-4244-0812-2, DOI: 10.1109/EURCON.2007.4400466, WOS:000257261901007. | 5 | 0.25 | 6.500 |

| | | | | |
|---|---|---|---|---|
| 232 | R.-E. Precup, Zs. Preitl, St. Preitl, Iterative Feedback Tuning Approach to Development of PI-Fuzzy Controllers, Proceedings of 2007 IEEE International Conference on Fuzzy Systems FUZZ-IEEE 2007, London, UK, pp. 199-204, 2007, ISSN 1098-7584, ISBN 978-1-4244-1209-9, DOI: 10.1109/FUZZY.2007.4295365, WOS:000252371500036. | 3 | 0.25 | 10.833 |
| 233 | R.-E. Precup, St. Preitl, J. K. Tar, M. Takács, Optimization Aspects in a Class of Fuzzy Controlled Servosystems, Proceedings of 11th International Conference on Intelligent Engineering Systems INES 2007, Budapest, Hungary, pp. 235-240, 2007, ISBN 978-1-4244-1147-4, DOI: 10.1109/INES.2007.4283704, WOS:000250359600042. | 4 | 0.25 | 8.125 |
| 234 | Cl. Pozna, R.-E. Precup, Plausible Reasoning and Fuzzy Logic, Proceedings of 5th IEEE International Conference on Computational Cybernetics ICCC 2007, Gammarth, Tunisia, pp. 51-56, 2007, ISBN 978-1-4244-1145-0, http://www.trivent.hu/ICCC2007/program.html, WOS:000252427400006. | 2 | 0.25 | 16.250 |
| 235 | St. Preitl, R.-E. Precup, J. Fodor, M. Takács, Hints in Low Cost Solutions for Networked Control Systems, Proceedings of 5th IEEE International Conference on Computational Cybernetics ICCC 2007, Gammarth, Tunisia, pp. 275-280, 2007, ISBN 978-1-4244-1145-0, DOI: 10.1109/ICCCYB.2007.4402047, WOS:000252427400044. | 4 | 0.25 | 8.125 |
| 236 | O. Baniaş, R.-E. Precup, D.-I. Curiac, Problem Setting and Modeling in Vehicles and Pedestrians Traffic Control Using Sensor Networks, 4th International Symposium on Applied Computational Intelligence and Informatics SACI 2007, Timişoara, Proceedings, ISBN 978-1-4244-1234-1, 2007, pp. 83-88, DOI: 10.1109/SACI.2007.375489, WOS:000248622500013. | 3 | 0.25 | 10.833 |
| 237 | R.-E. Precup, Zs. Preitl, St. Preitl, S. Vaivoda, J. K. Tar, M. Takács, Two-Degree-of-Freedom Fuzzy Control in Decentralized Trajectory Tracking, 4th International Symposium on Applied Computational Intelligence and Informatics SACI 2007, Timişoara, Proceedings, ISBN 978-1-4244-1234-1, 2007, pp. 93-98, DOI: 10.1109/SACI.2007.375491, WOS:000248622500015. | 6 | 0.25 | 5.417 |
| 238 | R.-E. Precup, J. Gáti, Gy. Kártyás, St. Preitl, Object Description Based Processes for Higher Education in Global Computer Networks, 4th International Symposium on Applied Computational Intelligence and Informatics SACI 2007, Timişoara, Proceedings, IISBN 978-1-4244-1234-1, 2007, pp. 153-156, WOS:000248622500025. | 4 | 0.25 | 8.125 |
| 239 | R.-E. Precup, St. Preitl, Development Method for Low Cost Fuzzy Controlled Servosystems, Proceedings of 2006 IEEE International Symposium on Intelligent Control ISIC, Munchen, Germany, pp. 2707-2712, 2006, ISBN 978-0-7803-9798-9, DOI: 10.1109/CACSD-CCA-ISIC.2006.4777067, WOS:000245970800081. | 2 | 0.25 | 16.250 |

| | | | | |
|---|---|---|---|---|
| 240 | R.-E. Precup, St. Preitl, A Genetic Iterative Feedback Tuning (GIFT) Method for Fuzzy Control System Development, Proceedings of 2006 International Symposium on Evolving Fuzzy Systems, Ambleside, Lake District, UK, pp. 144-149, 2006, ISBN 0-7803-9718-5, DOI: 10.1109/ISEFS.2006.251133, WOS:000240401300022. | 2 | 0.25 | 16.250 |
| 241 | R.-E. Precup, Zs. Preitl, St. Kilyeni, Fuzzy Control Solution for Hydro Turbine Generators, Proceedings of 2005 IEEE International Conference on Control and Automation ICCA2005, Budapest, Hungary, vol. 1, pp. 83-88, 2005, ISBN 0-7803-9137-3, DOI: 10.1109/ICCA.2005.1528096, WOS:000232156500015. | 3 | 0.25 | 10.833 |
| 242 | R.-E. Precup, St. Preitl, M. Balas, V. Balas, Fuzzy Controllers for Tire Slip Control in Anti-lock Braking Systems, Proceedings of IEEE International Conference on Fuzzy Systems FUZZ-IEEE 2004, Budapest, Hungary, vol. 3, pp. 1317-1322, 2004, ISBN 0-7803-8353-2, DOI: 10.1109/FUZZY.2004.1375359, WOS:000224959100228. | 4 | 0.25 | 8.125 |
| 243 | R.-E. Precup, St. Preitl, Multiobjective Optimisation Criteria in Development of Fuzzy Controllers with Dynamics, in: Control Applications of Optimisation 2003, R. Bars and E. Gyurkovics, Eds. (Elsevier Science), pp. 257-262, 2003, ISBN 0-08-044074-6, WOS:000189430100043. | 2 | 0.25 | 16.250 |
| 244 | R.-E. Precup, St. Preitl, Cs. Szabo, Z. Gyurko, P. Szemes, Sliding Mode Navigation Control in Intelligent Space, Proceedings of 2003 IEEE International Symposium on Intelligent Signal Processing WISP 2003, Budapest, Hungary, pp. 225-230, 2003, ISBN 0-7803-7864-4, DOI: 10.1109/ISP.2003.1275843, WOS:000189347300041. | 5 | 0.25 | 6.500 |
| 245 | R.-E. Precup, St. Preitl, On Some Low Cost Fuzzy Control Solutions for Third-Order Integral Actuators, in: Cost Oriented Automation (Low Cost Automation 2001), R. Bernhardt and H.-H. Erbe, Eds. (Elsevier Science), pp. 65-70, 2002, ISSN 0962-9505, ISBN 0-08-043907-1, WOS:000180731100010. | 2 | 0.25 | 16.250 |
| 246 | St. Preitl, R.-E. Precup, St. Solyom, L. Kovacs, Development of Conventional and Fuzzy Controllers for Output Coupled Drive Systems and Variable Inertia, in: Large Scale Systems: Theory and Applications 2001 (LSS'01), F. G. Filip, I. Dumitrache and S. Iliescu, Eds. (Elsevier Science), pp. 261-269, 2002, ISSN 0962-9505, ISBN 0-08-043691-9, WOS:000180832900041. | 4 | 0.25 | 8.125 |
| 247 | R.-E. Precup, St. Preitl, Zs. Preitl, Robustness Analysis of a Class of Fuzzy Systems, in: Large Scale Systems: Theory and Applications 2001 (LSS'01), F. G. Filip, I. Dumitrache and S. Iliescu, Eds. (Elsevier Science), pp. 249-254, 2002, ISSN 0962-9505, ISBN 0-08-043691-9, WOS:000180832900039. | 3 | 0.25 | 10.833 |
| 248 | St. Preitl, R.-E. Precup, Zs. Preitl, L. Kovacs, Development Methods of Fuzzy Controllers for Low Order Benchmarks (Electrical Drives), Proceedings of 2002 First International IEEE Symposium "Intelligent Systems" IS'2002, Varna, Bulgaria, vol. II Invited Sessions EUNITE, pp. 13-18, 2002, DOI: 10.1109/IS.2002.1042566, ISBN 0-7803-7602-1, WOS:000180817900003. | 4 | 0.25 | 8.125 |

| | | | | |
|---|---|---|---|---|
| 249 | St. Preitl, R.-E. Precup, St. Kilyeni, State Space Approach to the Stability Analysis of a Class of Fuzzy Control Systems Meant for Third-order Plants, in: Artificial Intelligence in Real Time Control (AIRTC-2000), I. J. Rudas, and J. K. Tar, Eds. (Elsevier Science), pp. 259-264, 2001, ISSN 0962-9505, ISBN 0-08-043562-9, WOS:000172651000043. | 3 | 0.25 | 10.833 |
| 250 | St. Preitl, R.-E. Precup, Cross-optimization Aspects Concerning the Extended Symmetrical Optimum Method, in: Digital Control 2000: Past, Present and Future of PID Control, J. Quevedo and T. Escobet, Eds. (Elsevier Science), pp. 223-228, 2000, ISBN 0-08-043624-2, Accession Number: WOS:000171311800035. | 2 | 0.25 | 16.250 |
| 251 | R.-E. Precup, St. Preitl, St. Solyom, Center Manifold Theory Approach to the Stability Analysis of Fuzzy Control Systems, in: Computational Intelligence. Theory and Applications, B. Reusch, Ed., Lecture Notes in Computer Science (Springer-Verlag), vol. 1625, pp. 382-390, 1999, ISSN 0302-9743, DOI: 10.1007/3-540-48774-3_44, WOS:000237352100044. | 3 | 0.25 | 10.833 |
| 252 | S. Doboli, R.-E. Precup, Stability Analysis and Design of a Class of Fuzzy Control Systems, in: System Structure and Control 1997, Vl. Ionescu and D. Popescu, Eds. (Elsevier Science), pp. 333-338, 1998, ISBN 0-08-043023-6, WOS:000079976400053. | 2 | 0.25 | 16.250 |
| 253 | R.-E. Precup, St. Preitl, On some predictive and adaptive fuzzy controllers based on ensuring the maximum phase reserve, in: System Structure and Control 1997, Vl. Ionescu and D. Popescu, Eds. (Elsevier Science), pp. 321-326, 1998, ISBN 0-08-043023-6, WOS:000079976400051. | 2 | 0.25 | 16.250 |
| 254 | R.-E. Precup, St. Preitl, St. Kilyeni, B. Lustrea, Fuzzy Speed and Voltage Control of a Hydrogenerator, Preprints of Fifth Symposium on Application of Multivariable System Techniques AMST'94, R. Whalley, Ed. (Mechanical Engineering Publications Limited), London, UK, pp. 151-158, 1994, ISBN 0-85298-828-1, WOS:A1994BB77N00016. | 4 | 0.25 | 8.125 |

| | Factor de impact | Punctaj |
|---|---|---|
| TOTAL | 329.712 | 4488.609 |

Articole ISI în Q1 sau Q2

| Nr. crt. | Lucrarea publicată | Q1/Q2 | Category |
|---|---|---|---|
| 1 | R.-E. Precup, T.-A. Teban, A. Albu, A.-B. Borlea, I. A. Zamfirache, E. M. Petriu, Evolving fuzzy models for prosthetic hand myoelectric-based control, IEEE Transactions on Instrumentation and Measurement, vol. 69, no. 7, pp. 4625-4636, 2020, impact factor (IF) = 3.658, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.658, DOI: 10.1109/TIM.2020.2983531, WOS:000542954500002. | Q1; Q1 | INSTRUMENTS & INSTRUMENTATION; ENGINEERING, ELECTRICAL & ELECTRONIC |
| 2 | M.-B. Rădac, R.-E. Precup, Data-Driven Model-Free Tracking Reinforcement Learning Control with VRFT-based Adaptive Actor-Critic, Applied Sciences (MDPI), vol. 9, no. 9, paper 1807, pp. 1-23, 2019, impact factor (IF) = 2.474, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.474, DOI: 10.3390/app9091807, WOS:000469756000086. | Q2; Q2; Q2 | CHEMISTRY, MULTIDISCIPLINARY; PHYSICS, APPLIED; ENGINEERING, MULTIDISCIPLINARY |
| 3 | M.-B. Rădac, R.-E. Precup, Data-driven MIMO model-free reference tracking control with nonlinear state-feedback and fractional order controllers, Applied Soft Computing (Elsevier Science), vol. 73, pp. 992-1003, 2018, impact factor (IF) = 4.873, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.472, DOI: 10.1016/j.asoc.2018.09.035, WOS:000450124900069. | Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 4 | M.-B. Rădac, R.-E. Precup, Data-Driven Model-Free Slip Control of Anti-lock Braking Systems Using Reinforcement Q-Learning, Neurocomputing (Elsevier Science), vol. 275, pp. 317-329, 2018, impact factor (IF) = 4.072, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.438, DOI: 10.1016/j.neucom.2017.08.036, WOS:000418370200031. | Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE |
| 5 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Data-driven model reference control of MIMO vertical tank systems with model-free VRFT and Q-learning, ISA Transactions (Elsevier Science), vol. 73, pp. 227-238, 2018, impact factor (IF) = 4.343, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.305, DOI: 10.1016/j.isatra.2018.01.014, WOS:000427664100021. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, MULTIDISCIPLINARY; INSTRUMENTS & INSTRUMENTATION |
| 6 | Cl. Pozna, R.-E. Precup, An Approach to the Design of Nonlinear State-Space Control Systems, Studies in Informatics and Control (ICI Bucharest), vol. 27, no. 1, pp. 5-14, 2018, impact factor (IF) = 1.347, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.102, DOI: 10.24846/v27i1y201801, WOS:000430357400001. | Q2 | OPERATIONS RESEARCH & MANAGEMENT SCIENCE |

| | | | |
|---|---|---|---|
| 7 | R.-E. Precup, M.-B. Rădac, R.-C. Roman, E. M. Petriu, Model-Free Sliding Mode Control of Nonlinear Systems: Algorithms and Experiments, Information Sciences (Elsevier Science), vol. 381, pp. 176-192, 2017, impact factor (IF) = 4.305, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.910, ISSN 0020-0255, DOI: 0.1016/j.ins.2016.11.026, WOS:000392786000012 | Q1 | COMPUTER SCIENCE, INFORMATION SYSTEMS |
| 8 | R.-E. Precup, R.-C. David, E. M. Petriu, Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems with Reduced Parametric Sensitivity, IEEE Transactions on Industrial Electronics, vol. 64, no. 1, pp. 527-534, 2017, impact factor (IF) = 7.050, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, DOI: 10.1109/TIE.2016.2607698, WOS:000390470600052. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 9 | Cl. Pozna, R.-E. Precup, On a translated frame-based approach to geometric modeling of robots, Robotics and Autonomous Systems (Elsevier Science), vol. 91, pp. 49-58, 2017, impact factor (IF) = 2.638, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.825, ISSN 0921-8890, DOI: 10.1016/j.robot.2017.01.004, WOS:000396949800005. | Q2; Q2; Q2 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ROBOTICS |
| 10 | M.-B. Rădac, R.-E. Precup, R.-C. Roman, Model-free control performance improvement using virtual reference feedback tuning and reinforcement Q-learning, International Journal of Systems Science (Taylor & Francis), vol. 48, no. 5, pp. 1071-1083, 2017, impact factor (IF) = 2.185, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.149, ISSN 0020-7721, DOI: 10.1080/00207721.2016.1236423, WOS:000396819200017. | Q2; Q2 | COMPUTER SCIENCE, THEORY & METHODS; OPERATIONS RESEARCH & MANAGEMENT SCIENCE |
| 11 | M.-B. Rădac, R.-E. Precup, Three-level hierarchical model-free learning approach to trajectory tracking control, Engineering Applications of Artificial Intelligence (Elsevier Science), vol. 55, pp. 103-118, 2016, impact factor (IF) = 2.894, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.201, ISSN 0952-1976, DOI: 10.1016/j.engappai.2016.06.009, WOS:000383811200010. | Q2; Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ENGINEERING, ELECTRICAL & ELECTRONIC; ENGINEERING, MULTIDISCIPLINARY |
| 12 | R.-C. Roman, M.-B. Rădac, R.-E. Precup, Multi-input-multi-output system experimental validation of model-free control and virtual reference feedback tuning techniques, IET Control Theory & Applications, vol. 10, no. 12, pp. 1395-1403, 2016, impact factor (IF) = 2.536, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.343, ISSN 1751-8644, DOI: 10.1049/iet-cta.2016.0028, WOS:000381410000010. | Q2; Q2; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 13 | M.-B. Rădac, R.-E. Precup, Model-free constrained data-driven iterative reference input tuning algorithm with experimental validation, International Journal of General Systems (Taylor & Francis), vol. 45, no. 4, pp. 455-476, 2016, impact factor (IF) = 2.490, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.671, ISSN 0308-1079, DOI: 10.1080/03081079.2015.1072524, WOS:000374954200005. | Q2 | COMPUTER SCIENCE, THEORY & METHODS |

| | | | |
|---|---|---|---|
| 14 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, Model-Free Primitive-Based Iterative Learning Control Approach to Trajectory Tracking of MIMO Systems With Experimental Validation, IEEE Transactions on Neural Networks and Learning Systems, vol. 26, no. 11, pp. 2925-2938, 2015, impact factor (IF) = 4.854, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 8.793, ISSN 2162-237X, DOI: 10.1109/TNNLS.2015.2460258, WOS:000363242800024. | Q1; Q1; Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; COMPUTER SCIENCE, HARDWARE & ARCHITECTURE; COMPUTER SCIENCE, THEORY & METHODS; ENGINEERING, ELECTRICAL & ELECTRONIC |
| 15 | R.-E. Precup, M.-C. Sabău, E. M. Petriu, Nature-Inspired Optimal Tuning of Input Membership Functions of Takagi-Sugeno-Kang Fuzzy Models for Anti-lock Braking Systems, Applied Soft Computing (Elsevier Science), vol. 27, pp. 575-589, 2015, impact factor (IF) = 2.857, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.472, ISSN 1568-4946, DOI: 10.1016/j.asoc.2014.07.004. WOS:000346856600049. | Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 16 | M.-B. Rădac, R.-E. Precup, Data-based two-degree-of-freedom iterative control approach to constrained non-linear systems, IET Control Theory & Applications, vol. 9, no. 7, pp. 1000-1010, 2015, impact factor (IF) = 1.957, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.343, ISSN 1751-8644, DOI: 10.1049/iet-cta.2014.0187, WOS:000353964100002. | Q2; Q2; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 17 | R.-E. Precup, M. L. Tomescu, Stable fuzzy logic control of a general class of chaotic systems, Neural Computing and Applications (Springer-Verlag), vol. 26, no. 3, pp. 541-550, 2015, impact factor (IF) = 1.492, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.774, ISSN 0941-0643, DOI: 10.1007/s00521-014-1644-7, WOS:000351364300005. | Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE |
| 18 | R.-E. Precup, P. Angelov, B. S. J. Costa, 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 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/j.compind.2015.03.001. WOS:000364893000007. | Q1 | COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 19 | M.-B. Rădac, R.-E. Precup, Optimal behaviour prediction using a primitive-based data-driven model-free iterative learning control approach, Computers in Industry (Elsevier Science), vol. 74, pp. 95-109, 2015, impact factor (IF) = 1.685, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/j.compind.2015.03.004, WOS:000364893000008. | Q1 | COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 20 | Cl. Pozna, R.-E. Precup, P. Földesi, A novel pose estimation algorithm for robotic navigation, Robotics and Autonomous Systems (Elsevier Science), vol. 63, pp. 10-21, 2015, impact factor (IF) = 1.618, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.825, ISSN 0921-8890, DOI: 10.1016/j.robot.2014.09.034, WOS:000347507200002. | Q2; Q2; Q2 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ROBOTICS |

| | | | |
|---|---|---|---|
| 21 | R.-E. Precup, E. M. Petriu, M.-B. Rădac, St. Preitl, L.-O. Fedorovici, C.-A. Dragoş, Cascade control system-based cost effective combination of tensor product model transformation and fuzzy control, Asian Journal of Control (John Wiley and Sons), vol. 17, no. 2, pp. 381-391, 2015, impact factor (IF) = 1.407, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.779, ISSN 1561-8625, DOI: 10.1002/asjc.855, WOS:000351167300003. | Q2 | AUTOMATION & CONTROL SYSTEMS |
| 22 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Iterative Data-Driven Tuning of Controllers for Nonlinear Systems with Constraints, IEEE Transactions on Industrial Electronics, vol. 61, no. 11, pp. 6360-6368, 2014, impact factor (IF) = 6.498, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2011.2130493, WOS:000302545700002. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 23 | R.-E. Precup, R.-C. David, E. M. Petriu, M.-B. Rădac, St. Preitl, Adaptive GSA-Based Optimal Tuning of PI Controlled Servo Systems With Reduced Process Parametric Sensitivity, Robust Stability and Controller Robustness, IEEE Transactions on Cybernetics, vol. 44, no. 11, pp. 1997-2009, 2014, impact factor (IF) = 3.469, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 11.079, DOI: 10.1109/TCYB.2014.2307257, WOS:000343319700002. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; COMPUTER SCIENCE, CYBERNETICS |
| 24 | R.-E. Precup, H.-I. Filip, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş, Online Identification of Evolving Takagi-Sugeno-Kang Fuzzy Models for Crane Systems, Applied Soft Computing (Elsevier Science), vol. 24, pp. 1155-1163, 2014, impact factor (IF) = 2.810, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.472, DOI: 10.1016/j.asoc.2014.01.013, WOS:000343138500096 | Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 25 | R.-E. Precup, M. L. Tomescu, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş, Novel Adaptive Charged System Search Algorithm for Optimal Tuning of Fuzzy Controllers, Expert Systems with Applications (Elsevier Science), vol. 41, no. 4, part 1, pp. 1168-1175, 2014, impact factor (IF) = 2.240, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.452, ISSN 0957-4174, 10.1016/j.eswa.2012.01.165, WOS:000303281600070. | Q1; Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ENGINEERING, ELECTRICAL & ELECTRONIC; OPERATIONS RESEARCH & MANAGEMENT SCIENCE |
| 26 | R.-E. Precup, M.-L. Tomescu, C.-A. Dragoş, Stabilization of Rossler chaotic dynamical system using fuzzy logic control algorithm, International Journal of General Systems (Taylor & Francis), vol. 43, no. 5, pp. 413-433, 2014, impact factor (IF) = 1.637, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.671, ISSN 0308-1079, DOI: 10.1080/03081079.2014.893299, WOS:000333941300001 | Q2 | COMPUTER SCIENCE, THEORY & METHODS |

| | | | |
|---|---|---|---|
| 27 | R.-E. Precup, R.-C. David, E. M. Petriu, M.-B. Rădac, St. Preitl, 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 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.921, ISSN 0950-7051, DOI: 10.1016/j.knosys.2011.07.006, WOS:000314382100009. | Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE |
| 28 | R.-C. David, R.-E. Precup, E. M. Petriu, M.-B. Rădac, St. Preitl, Gravitational Search Algorithm-Based Design of Fuzzy Control Systems with a Reduced Parametric Sensitivity, Information Sciences (Elsevier Science), vol. 247, pp. 154-173, 2013, impact factor (IF) = 3.893, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.910, ISSN 0020-0255, DOI: 10.1016/j.ins.2013.05.035, WOS:000323808200011. | Q1 | COMPUTER SCIENCE, INFORMATION SYSTEMS |
| 29 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoș, Data-driven reference trajectory tracking algorithm and experimental validation, IEEE Transactions on Industrial Informatics, vol. 9, no. 4, pp. 2327-2336, 2013, impact factor (IF) = 8.785, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 9.112, ISSN 1551-3203, DOI: 10.1109/TII.2012.2220973, WOS:000326113700052. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS; ENGINEERING, INDUSTRIAL |
| 30 | R.-E. Precup, M.-B. Rădac, M. L. Tomescu, E. M. Petriu, St. Preitl, Stable and convergent iterative feedback tuning of fuzzy controllers for discrete-time SISO systems, Expert Systems with Applications (Elsevier Science), vol. 40, no. 1, pp. 188-199, 2013, impact factor (IF) = 1.965, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.452, ISSN 0957-4174, DOI: 10.1016/j.eswa.2012.07.023, WOS:000309378200018. | Q1; Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ENGINEERING, ELECTRICAL & ELECTRONIC; OPERATIONS RESEARCH & MANAGEMENT SCIENCE |
| 31 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Fuzzy logic-based adaptive gravitational search algorithm for optimal tuning of fuzzy controlled servo systems, IET Control Theory & Applications, vol. 7, no. 1, pp. 99-107, 2013, impact factor (IF) = 1.844, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.343, ISSN 1751-8644, DOI: 10.1049/iet-cta.2012.0343, WOS:000318229100010. | Q2; Q2; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 32 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Fuzzy control systems with reduced parametric sensitivity based on simulated annealing, IEEE Transactions on Industrial Electronics, vol. 59, no. 8, pp. 3049-3061, 2012, impact factor (IF) = 5.165, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2011.2130493, WOS:000302545700002. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |

| | | | |
|---|---|---|---|
| 33 | R.-E. Precup, M. L. Tomescu, M.-B. Rădac, E. M. Petriu, St. Preitl, C.-A. Dragoş, Iterative performance improvement of fuzzy control systems for three tank systems, Expert Systems with Applications (Elsevier Science), vol. 39, no. 9, pp. 8288-8299, 2012, impact factor (IF) = 1.854, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.452, ISSN 0957-4174, 10.1016/j.eswa.2012.01.165, WOS:000303281600070. | Q1; Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ENGINEERING, ELECTRICAL & ELECTRONIC; OPERATIONS RESEARCH & MANAGEMENT SCIENCE |
| 34 | Cl. Pozna, N. Minculete, R.-E. Precup, L. T. Kóczy, Á. Ballagi, Signatures: Definitions, operators and applications to fuzzy modeling, Fuzzy Sets and Systems (Elsevier Science), vol. 201, pp. 86-104, 2012, impact factor (IF) = 1.749, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.305, ISSN 0165-0114, DOI: 10.1016/j.fss.2011.12.016, WOS:000306050200006. | Q1; Q1; Q1 | COMPUTER SCIENCE, THEORY & METHODS; MATHEMATICS, APPLIED; STATISTICS & PROBABILITY |
| 35 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Novel adaptive gravitational search algorithm for fuzzy controlled servo systems, IEEE Transactions on Industrial Informatics, vol. 8, no. 4, pp. 791-800, 2012, impact factor (IF) = 3.381, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 9.112, ISSN 1551-3203, DOI: 10.1109/TII.2012.2205393, WOS:000310388400007. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS; ENGINEERING, INDUSTRIAL |
| 36 | N. Minculete, Cl. Pozna, R.-E. Precup, A refinement of Sandor-Toth's inequality, Journal of Inequalities and Applications (SpringerOpen), 2012: 4, pp. 1-16, DOI: 10.1186/1029-242X-2012-4, 2012, impact factor (IF) = 0.820, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.470, ISSN 1029-242X, WOS:000301521600001. | Q2; Q1 | MATHEMATICS, APPLIED; MATHEMATICS |
| 37 | R.-E. Precup, C.-A. Dragoş, St. Preitl, M.-B. Rădac, E. M. Petriu, Novel tensor product models for automatic transmission system control, IEEE Systems Journal, vol. 6, no. 3, pp. 488-498, 2012, impact factor (IF) = 1.270, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.987, ISSN 1932-8184, DOI: 10.1109/JSYST.2012.2190692, WOS:000308020800014. | Q1; Q1; Q1; Q1 | COMPUTER SCIENCE, INFORMATION SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; OPERATIONS RESEARCH & MANAGEMENT SCIENCE; TELECOMMUNICATIONS |
| 38 | T. Haidegger, L. Kovács, R.-E. Precup, B. Benyó, Z. Benyó, St. Preitl, Simulation and control for telerobots in space medicine, Acta Astronautica (Elsevier Science), vol. 181, no. 1, pp. 390-402, 2012, impact factor (IF) = 0.701, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.830, ISSN 0094-5765, DOI: 10.1016/j.actaastro.2012.06.010, WOS:000309568900036. | Q1 | ENGINEERING, AEROSPACE |

| | | | |
|---|---|---|---|
| 39 | R.-E. Precup, T. Haidegger, St. Preitl, Z. Benyó, A. S. Paul, L. Kovács, Fuzzy control solution for telesurgical applications, Applied and Computational Mathematics (Ministry of Communications and Information Technology, Azerbaijan National Academy of Sciences and Institute of Applied Mathematics of Baku State University), vol. 11, no. 3, pp. 378-397, 2012, impact factor (IF) = 0.750, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 2.354, ISSN 1683-3511, http://acmij.az/view.php?lang=az&menu=cjournal&id=289, WOS:000310827500006. | Q1 | MATHEMATICS, APPLIED |
| 40 | M.-B. Rădac, R.-E. Precup, E. M. Petriu, St. Preitl, Application of IFT and SPSA to servo system control, IEEE Transactions on Neural Networks, vol. 22, no. 12, part 2, pp. 2363-2375, 2011, impact factor (IF) = 2.952, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 8.793 (IEEE Transactions on Neural Networks and Learning Systems starting with 2012), ISSN 1045-9227, ISSN 2162-237X starting with 2012 (IEEE Transactions on Neural Networks and Learning Systems), DOI: 10.1109/TNN.2011.2173804, WOS:000299082900018. | Q1; Q1; Q1; Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; COMPUTER SCIENCE, HARDWARE & ARCHITECTURE; COMPUTER SCIENCE, THEORY & METHODS; ENGINEERING, ELECTRICAL & ELECTRONIC |
| 41 | R.-E. Precup, 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 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/j.compind.2010.10.001, WOS:000289183900001. | Q1 | COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 42 | R.-E. Precup, St. Preitl, M.-B. Rădac, E. M. Petriu, C.-A. Dragoş, J. K. Tar, Experiment-based teaching in advanced control engineering, IEEE Transactions on Education, vol. 54, no. 3, pp. 345-355, 2011, impact factor (IF) = 1.021, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.855, ISSN 0018-9359, DOI: 10.1109/TE.2010.2058575, WOS:000293751300001. | Q2 | EDUCATION, SCIENTIFIC DISCIPLINES |
| 43 | Cl. Pozna, R.-E. Precup, J. K. Tar, I. Škrjanc, St. Preitl, New results in modelling derived from Bayesian filtering, Knowledge-Based Systems (Elsevier Science), vol. 23, no. 2, pp. 182-194, 2010, impact factor (IF) = 1.574, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.921, ISSN 0950-7051, DOI: 10.1016/j.knosys.2009.11.015, WOS:000275589800012. | Q1 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE |
| 44 | Cl. Pozna, F. Troester, R.-E. Precup, J. K. Tar, St. Preitl, On the Design of an Obstacle Avoiding Trajectory: Method and Simulation, Mathematics and Computers in Simulation (Elsevier Science), vol. 79, no. 7, pp. 2211-2226, 2009, impact factor (IF) = 0.946, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 1.620, ISSN 0378-4754, DOI: 10.1016/j.matcom.2008.12.015, WOS:000264918200017. | Q2; Q2 | COMPUTER SCIENCE, SOFTWARE ENGINEERING; MATHEMATICS, APPLIED |

| | | | |
|---|---|---|---|
| 45 | R.-E. Precup, St. Preitl, E. M. Petriu, J. K. Tar, M. L. Tomescu, Cl. Pozna, Generic two-degree-of-freedom linear and fuzzy controllers for integral processes, Journal of The Franklin Institute (Elsevier Science), vol. 346, no. 10, pp. 980-1003, 2009, impact factor (IF) = 1.130, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.036, ISSN 0016-0032, DOI: 10.1016/j.jfranklin.2009.03.006, WOS:000271682500004. | Q2; Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; ENGINEERING, MULTIDISCIPLINARY; MATHEMATICS, INTERDISCIPLINARY APPLICATIONS |
| 46 | R.-E. Precup, St. Preitl, J. K. Tar, M. L. Tomescu, M. Takács, P. Korondi, P. Baranyi, Fuzzy Control System Performance Enhancement by Iterative Learning Control, IEEE Transactions on Industrial Electronics, vol. 55, no. 9, pp. 3461-3475, 2008, impact factor (IF) = 5.468, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2008.925322, WOS:000258949600031. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 47 | R.-E. Precup, St. Preitl, I. J. Rudas, M. L. Tomescu, J. K. Tar, Design and Experiments for a Class of Fuzzy Controlled Servo Systems, IEEE/ASME Transactions on Mechatronics, vol. 13, no. 1, pp. 22-35, 2008, impact factor (IF) = 1.614, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.673, ISSN 1083-4435, DOI: 10.1109/TMECH.2008.915816, WOS:000253840800004. | Q1; Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; ENGINEERING, MANUFACTURING; ENGINEERING, MECHANICAL |
| 48 | R.-E. Precup, St. Preitl, PI-Fuzzy Controllers for Integral Plants to Ensure Robust Stability, Information Sciences (Elsevier Science), vol. 177, no. 20, pp. 4410-4429, 2007, impact factor (IF) = 2.147, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.910, ISSN 0020-0255, DOI: 10.1016/j.ins.2007.05.005, WOS:000249068300011. | Q1 | COMPUTER SCIENCE, INFORMATION SYSTEMS |
| 49 | R.-E. Precup, St. Preitl, P. Korondi, Fuzzy Controllers with Maximum Sensitivity for Servosystems, IEEE Transactions on Industrial Electronics, vol. 54, no. 3, pp. 1298-1310, 2007, impact factor (IF) = 2.216, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 7.515, ISSN 0278-0046, DOI: 10.1109/TIE.2007.893053, WOS:000247203000005. | Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC; INSTRUMENTS & INSTRUMENTATION |
| 50 | R.-E. Precup, St. Preitl, Optimisation Criteria in Development of Fuzzy Controllers with Dynamics, Engineering Applications of Artificial Intelligence (Elsevier Science), vol. 17, no. 6, pp. 661-674, 2004, impact factor (IF) = 0.421, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.201, ISSN 0952-1976, DOI: 10.1016/j.engappai.2004.08.004, WOS:000224909500009. | Q2; Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ENGINEERING, ELECTRICAL & ELECTRONIC; ENGINEERING, MULTIDISCIPLINARY |

| | | | |
|---|---|---|---|
| 51 | R.-E. Precup, St. Preitl, G. Faur, PI Predictive Fuzzy Controllers for Electrical Drive Speed Control: Methods and Software for Stable Development, Computers in Industry (Elsevier Science), vol. 52, no. 3, pp. 253-270, 2003, impact factor (IF) = 0.692, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 3.954, ISSN 0166-3615, DOI: 10.1016/S0166-3615(03)00130-1, WOS:000186771300005. | Q1 | COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS |
| 52 | R.-E. Precup, S. Doboli, St. Preitl, Stability Analysis and Development of a Class of Fuzzy Control Systems, Engineering Applications of Artificial Intelligence (Elsevier Science), vol. 13, no. 3, pp. 237-247, 2000, impact factor (IF) = 0.231, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 4.201, ISSN 0952-1976, DOI: 10.1016/S0952-1976(00)00002-6, WOS:000087162000002. | Q2; Q1; Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE; ENGINEERING, ELECTRICAL & ELECTRONIC; ENGINEERING, MULTIDISCIPLINARY |
| 53 | St. Preitl, R.-E. Precup, An Extension of Tuning Relations after Symmetrical Optimum Method for PI and PID Controllers, Automatica (Elsevier Science), vol. 35, no. 10, pp. 1731-1736, 1999, impact factor (IF) = 0.911, IF according to 2019 Journal Citation Reports (JCR) released by Clarivate Analytics in 2020 = 5.541, ISSN 0005-1098, DOI: 10.1016/S0005-1098(99)00091-6, WOS:000082781800013. | Q1; Q1 | AUTOMATION & CONTROL SYSTEMS; ENGINEERING, ELECTRICAL & ELECTRONIC |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A2 Activitatea de cercetare

A 2.2 Articole în reviste și lucrări în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI)

| Nr. crt. | Lucrarea publicată | BDI | Nr. autori | Punctaj |
|---|---|---|---|---|
| 1 | G. Rigatos, P. Siano, D. Selişteanu, R. E. Precup, Nonlinear Optimal Control of Oxygen and Carbon Dioxide Contents in Blood, Intelligent Industrial Systems (Springer-Verlag), vol. 3, no. 2, pp. 61-75, 2017, DOI: 10.1007/s40903-016-0060-y. | Springer Link | 4 | 5.000 |
| 2 | C.-A. Bojan-Dragoş, M.-B. Rădac, R.-E. Precup, E.-L. Hedrea, A.-I. Szedlak-Stînean, S. Preitl, Gain-Scheduling Position Control Approaches for Electromagnetic Actuated Clutch Systems, Proceedings of 15th International Conference on Informatics in Control, Automation and Robotics ICINCO 2018, Porto, Portugal, vol. 2, pp. 411-418, 2018, DOI: 10.5220/0006900404110418. | DBLP | 6 | 3.333 |
| 3 | A.-I. Stînean, R.-E. Precup, E. M. Petriu, Fuzzy and 2-DOF Controllers for Processes with a Discontinuously Variable Parameter, Proceedings of 14th International Conference on Informatics in Control, Automation and Robotics ICINCO 2017, Madrid, Spain, vol. 2, pp. 431-438, 2017, DOI: 10.5220/0006468504310438. | Scopus | 3 | 6.667 |
| 4 | R.-E. Precup, C.-A. Bojan-Dragoş, E. M. Petriu, M.-B. Rădac, A.-I. Stînean, Results on Optimal Tuning of Fuzzy Models of Magnetic Levitation Systems, International Journal of Artificial Intelligence (CESER Publications), vol. 13, no. 2, pp. 57-72, 2015, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/3872. | Scopus | 5 | 4.000 |
| 5 | C. Purcaru, R.-E. Precup, D. Iercan, L.-O. Fedorovici, R.-C. David, F. Drăgan, Optimal Robot Path Planning Using Gravitational Search Algorithm, International Journal of Artificial Intelligence (CESER Publications), vol. 10, no. S13, pp. 1-20, 2013, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2291. | Scopus | 4 | 5.000 |
| 6 | R.-C. David, C.-A. Dragoş, R.-G. Bulzan, R.-E. Precup, E. M. Petriu, M.-B. Rădac, An approach to fuzzy modeling of magnetic levitation systems, International Journal of Artificial Intelligence (CESER Publications), vol. 9, no. A12, pp. 1-18, 2012, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2334. | Scopus | 6 | 3.333 |
| 7 | C.-A. Dragoş, R.-E. Precup, St. Preitl, E. M. Petriu, A.-I. Stînean, Takagi-Sugeno fuzzy control solutions for mechatronic applications, International Journal of Artificial Intelligence (CESER Publications), vol. 8, no. S12, pp. 45-65, 2012, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2353. | Scopus | 5 | 4.000 |

| | | | | |
|---|---|---|---|---|
| 8 | T. Haidegger, L. Kovács, St. Preitl, R.-E. Precup, B. Benyó, Z. Benyó, Controller design solutions for long distance telesurgical applications, International Journal of Artificial Intelligence (CESER Publications), vol. 6, no. S11, pp. 48-71, 2011, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2275. | Scopus | 6 | 3.333 |
| 9 | R.-E. Precup, M.-L. Tomescu, E. M. Petriu, L.-E. Dragomir, Stable fuzzy logic control of generalized van der Pol oscillator, International Journal of Artificial Intelligence (CESER Publications), vol. 7, no. A11, pp. 36-46, 2011, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2275. | Scopus | 4 | 5.000 |
| 10 | R.-E. Precup, M. L. Tomescu, St. Preitl, E. M. Petriu, Fuzzy logic-based stabilization of a magnetic ball suspension system, International Journal of Artificial Intelligence (CESER Publications), vol. 5, no. A10, pp. 56-66, 2010, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2202. | Scopus | 4 | 5.000 |
| 11 | R.-E. Precup, M. L. Tomescu, St. Preitl, E. M. Petriu, Fuzzy Logic-based Stabilization of Nonlinear Time-varying Systems, International Journal of Artificial Intelligence (CESER Publications), vol. 3, no. A09, pp. 24-36, 2009, ISSN 0974-0635, http://www.ceser.in/ceserp/index.php/ijai/article/view/2237. | Scopus | 4 | 5.000 |
| 12 | R.-E. Precup, St. Preitl, On a Class of Control Systems with Takagi-Sugeno PI-Fuzzy Controllers, Studies in Informatics and Control (National Institute for R&D in Informatics ICI Bucharest), vol. 15, no. 3, pp. 323-332, 2006, ISSN 1220-1766, http://sic.ici.ro/sic2006_3/art09.html. | INSPEC | 2 | 10.000 |
| 13 | St. Preitl, R.-E. Precup, Sensitivity study of a class of fuzzy control systems, Periodica Polytechnica, Electrical Engineering (Budapest University of Technology and Economics), vol. 50, no. 3-4, pp. 255-268, 2006, ISSN 1587-3781, http://www.pp.bme.hu/ee/article/view/906. | INSPEC | 2 | 10.000 |
| 14 | R.-E. Precup, St. Preitl, Cs. Szabo, P. Korondi, P. Szemes, On Some Low-Cost Tracking Controllers for Mobile Robots, Control and Intelligent Systems (Acta Press), vol. 33, no. 1, pp. 1-12, 2005, ISSN 1480-1752, http://www.actapress.com/Abstract.aspx?paperId=20410. | INSPEC | 5 | 4.000 |
| 15 | R.-E. Precup, St. Preitl, P. Korondi, Development of Fuzzy Controllers with Dynamics Regarding Stability Conditions and Sensitivity Analysis, Journal of Advanced Computational Intelligence and Intelligent Informatics (Fuji Technology Press), vol. 8, no. 5, pp. 499-506, 2004, ISSN 1343-0130, http://www.fujipress.jp/JACIII/Jc8-5/Jc8-5-08abs.html. | DBLP | 3 | 6.667 |
| 16 | St. Preitl, A.-I., Stînean, R.-E. Precup, Zs. Preitl, E. M. Petriu, C.-A. Dragoş, M.-B. Rădac, Controller Design Methods for Driving Systems Based on Extensions of Symmetrical Optimum Method with DC and BLDC Motor Applications, Proceedings of 2nd IFAC Conference on Advances in PID Control PID'12, Brescia, Italia, Advances in PID Control, vol. 2, Eds. Vilanova, R. and Visioli, A., ISSN 1474-6670, paper 57583 on ifac-papersonline, 2012, pp. 264-269, http://www.ifac-papersonline.net/Detailed/57583.html. | Scopus | 7 | 2.857 |
| 17 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Charged System Search Algorithms for Optimal Tuning of PI Controllers, Proceedings of 1st IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control CESCIT 2012, Würzburg, Germania, Eds. Schilling, K. and Leutert, E., ISSN 1474-6670, paper 52467 on ifac-papersonline, 2012, pp. 115-120, DOI: 10.3182/20120403-3-DE-3010.00043. | Scopus | 5 | 4.000 |

| | | | | |
|---|---|---|---|---|
| 18 | R.-C. David, R.-E. Precup, E. M. Petriu, M.-B. Rădac, C. Purcaru, C.-A. Dragoş, St. Preitl, Adaptive Gravitational Search Algorithm for PI-fuzzy Controller Tuning, Proceedings of 9th International Conference on Informatics in Control, Automation and Robotics ICINCO 2012, Rome, Italy, vol. 1, pp. 136-141, 2012, ISBN 978-989-8565-21-1, DOI: http://dx.doi.org/10.5220/0003998101360141. | DBLP | 7 | 2.857 |
| 19 | M.-B. Rădac, B.-A. Bigher, R.-E. Precup, E. M. Petriu, C.-A. Dragoş, St. Preitl, A.-I. Stînean, Data-based Tuning of PI Controllers for Vertical Three-Tank Systems, Proceedings of 9th International Conference on Informatics in Control, Automation and Robotics ICINCO 2012, Rome, Italy, vol. 1, pp. 31-39, 2012, ISBN 978-989-8565-21-1, DOI: 10.5220/0003998500310039. | DBLP | 7 | 2.857 |
| 20 | A.-I. Stînean, St. Preitl, R.-E. Precup, E. M. Petriu, C.-A. Dragoş, M.-B. Rădac, Takagi-Sugeno Fuzzy Control Solutions for BLDC Drives, Proceedings of 2012 International Symposium on Power Electronics, Electrical Drives, Automation and Motion SPEEDAM 2012, Sorrento, Italy, pp. 724-729, 2012, ISBN 978-1-4673-1299-8, DOI: 10.1109/SPEEDAM.2012.6264449. | IEEE Xplore | 6 | 3.333 |
| 21 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, Hybrid Fuzzy Control Solutions for Brushless DC Drives with Variable Moment of Inertia, Proceedings of IEEE 10th Jubilee International Symposium on Intelligent Systems and Informatics SISY 2012, Subotica, Serbia, pp. 317-322, 2012, ISBN 978-1-4673-4751-8, DOI: 10.1109/SISY.2012.6339536. | IEEE Xplore | 5 | 4.000 |
| 22 | R.-E. Precup, M.-L. Tomescu, St. Preitl, E. M. Petriu, C.-A. Dragoş, Stability Analysis of Fuzzy Logic Control Systems for a Class of Nonlinear SISO Discrete-Time Systems, Proceedings of 18th IFAC World Congress, Milano, Italy, Editors: S. Bittanti, A. Cenedese, S. Zampieri, ISSN 1474-6670, paper 51947 on ifac-papersonline, 2011, pp. 13612-13617, DOI: 10.3182/20110828-6-IT-1002.00937. | Scopus | 5 | 4.000 |
| 23 | R.-E. Precup, R.-C. David, E. M. Petriu, St. Preitl, M.-B. Rădac, Gravitational Search Algorithms in Fuzzy Control Systems Tuning, Proceedings of 18th IFAC World Congress, Milano, Italy, Editors: S. Bittanti, A. Cenedese, S. Zampieri, ISSN 1474-6670, paper 51951 on ifac-papersonline, 2011, pp. 13624-13629, DOI: 10.3182/20110828-6-IT-1002.00938. | Scopus | 5 | 4.000 |
| 24 | T. Haidegger, L. Kovacs, R.-E. Precup, St. Preitl, B. Benyo, Z. Benyo, Cascade Control for Telerobotic Systems Serving Space Medicine, Proceedings of 18th IFAC World Congress, Milano, Italy, Editors: S. Bittanti, A. Cenedese, S. Zampieri, ISSN 1474-6670, paper 48717 on ifac-papersonline, 2011, pp. 3759-3764, DOI: 10.3182/20110828-6-IT-1002.02482. | Scopus | 6 | 3.333 |
| 25 | T. Haidegger, L. Kovács, R.-E. Precup, B. Benyó, Z. Benyó, Enabling Control Technologies for Telesurgery, Proceedings of 62th International Astronautical Congress (IAC 2011), Cape Town, South Africa, 2011, paper index 9589, 8 pp., http://www.iafastro.net/iac/paper/id/9589/summary/. | Scopus | 5 | 4.000 |
| 26 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, E. M. Petriu, State feedback fuzzy control solution for BLDC drives, Proceedings of 12th IEEE International Symposium on Computational Intelligence and Informatics CINTI 2011, Budapest, Hungary, pp. 85-90, 2011, ISBN 978-1-4577-0045-3, DOI: 10.1109/CINTI.2011.6108477. | IEEE Xplore | 6 | 3.333 |

| | | | | |
|---|---|---|---|---|
| 27 | M.-B. Rădac, R.-B. Grad, R.-E. Precup, St. Preitl, C.-A. Dragoş, E. M. Petriu, A. Kilyeni, Mixed Virtual Reference Feedback Tuning - Iterative Feedback Tuning Approach to the Position Control of a Laboratory Servo System, Proceedings of International Conference on Computer as a Tool EUROCON 2011, Lisbon, Portugal, paper index 453, 4 pp., 2011, ISBN 978-1-4244-7486-8, DOI: 10.1109/EUROCON.2011.5929333. | IEEE Xplore | 7 | 2.857 |
| 28 | A.-I. Stînean, St. Preitl, R.-E. Precup, Cl. Pozna, C.-A. Dragoş, M.-B. Rădac, Speed and position control of BLDC servo systems with low inertia, Proceedings of 2nd International Conference on Cognitive Infocommunications CogInfoCom 2011, Budapest, Hungary, 10 pp., 2011, E-ISBN 978-963-8111-78-4, Print ISBN 978-1-4577-1806-9, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?tp=&arnumber=5999471. | IEEE Xplore | 6 | 3.333 |
| 29 | Cl. Pozna, R.-E. Precup, Results concerning a new pattern of human knowledge, Proceedings of 2nd International Conference on Cognitive Infocommunications CogInfoCom 2011, Budapest, Hungary, 10 pp., 2011, E-ISBN 978-963-8111-78-4, Print ISBN 978-1-4577-1806-9, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?tp=&arnumber=5999489. | IEEE Xplore | 2 | 10.000 |
| 30 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, 2-DOF Control Solutions for BLDC-m Drives, Proceedings of IEEE 9th International Symposium on Intelligent Systems and Informatics SISY 2011, Subotica, Serbia, pp. 29-34, 2011, ISBN 978-1-4577-1975-2, DOI: 10.1109/SISY.2011.6034336. | IEEE Xplore | 5 | 4.000 |
| 31 | Cl. Pozna, R.-E. Precup, J. Kovacs, P. Foldesi, Cooperation in Multiagent Systems, Proceedings of IEEE 9th International Symposium on Intelligent Systems and Informatics SISY 2011, Subotica, Serbia, pp. 195-200, 2011, ISBN 978-1-4577-1975-2, DOI:10.1109/SISY.2011.6034321. | IEEE Xplore | 4 | 5.000 |
| 32 | M.-B. Rădac, F.-C. Enache, R.-E. Precup, E. M. Petriu, St. Preitl, C.-A. Dragoş, Previous and Current Cycle Learning Approach to a 3D Crane System Laboratory Equipment, Proceedings of 15th International Conference on Intelligent Engineering Systems INES 2011, Poprad, Slovakia, pp. 197-202, 2011, ISBN 978-1-4244-8954-1, DOI: 10.1109/INES.2011.5954744. | IEEE Xplore | 6 | 3.333 |
| 33 | Cl. Pozna, R.-E. Precup, New Results in Abduction Process Modeling, Proceedings of 15th International Conference on Intelligent Engineering Systems INES 2011, Poprad, Slovakia, pp. 203-208, 2011, ISBN 978-1-4244-8954-1, DOI: 10.1109/INES.2011.5954745. | IEEE Xplore | 2 | 10.000 |
| 34 | T. A. Várkonyi, J. K. Tar, I. J. Rudas, St. Preitl, R.-E. Precup, A. R. Várkonyi-Kóczy, A Novel Approach to Robust Fixed Point Transformation, Proceedings of 5th International Symposium on Computational Intelligence and Intelligent Informatics ISCIII 2011, Floriana, Malta, pp. 13-18, 2011, ISBN 978-1-4577-1860-1, DOI: 10.1109/ISCIII.2011.6069734. | IEEE Xplore | 6 | 3.333 |
| 35 | C.-A. Dragoş, St. Preitl, R.-E. Precup, C.-S. Neş, D. Pîrlea, A. S. Paul, Control Solutions for Vehicles with Continuously Variable Transmission, Proceedings of 11th IEEE International Symposium on Computational Intelligence and Informatics CINTI 2010, Budapest, Hungary, pp. 157-162, 2010, E-ISBN 978-1-4244-9280-0, Print ISBN 978-1-4244-9279-4, DOI: 10.1109/CINTI.2010.5672256. | IEEE Xplore | 6 | 3.333 |

| | | | | |
|---|---|---|---|---|
| 36 | St. Preitl, R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, Tuning of 2-DOF Fuzzy PI(D) Controllers. Laboratory Applications, Proceedings of 11th IEEE International Symposium on Computational Intelligence and Informatics CINTI 2010, Budapest, Hungary, pp. 237-242, 2010, E-ISBN 978-1-4244-9280-0, Print ISBN 978-1-4244-9279-4, DOI: 10.1109/CINTI.2010.5672242. | IEEE Xplore | 4 | 5.000 |
| 37 | Cl. Pozna, L.-T. Kóczy, R.-E. Precup, Á. Ballagi, A Kantian Pattern of Knowledge, the Observation Representation, Proceedings of 8th IEEE International Symposium on Intelligent Systems and Informatics SISY 2010, Subotica, Serbia, pp. 405-412, 2010, ISBN 978-1-4244-7394-6, DOI: 10.1109/SISY.2010.5647371. | IEEE Xplore | 4 | 5.000 |
| 38 | C.-A. Dragoş, St. Preitl, R.-E. Precup, R.-G. Bulzan, E. M. Petriu, J. K. Tar, Experiments in Fuzzy Control of a Magnetic Levitation System Laboratory Equipment, Proceedings of 8th IEEE International Symposium on Intelligent Systems and Informatics SISY 2010, Subotica, Serbia, pp. 601-606, 2010, ISBN 978-1-4244-7394-6, DOI: 10.1109/SISY.2010.5647164. | IEEE Xplore | 6 | 3.333 |
| 39 | Cl. Pozna, R.-E. Precup, N. Minculete, Cs. Antonya, Cognition Aspects Concerning an Abstraction Model, Proceedings of 10th IASTED International Conference on Artificial Intelligence and Applications AIA 2010, Innsbruck, Austria, pp. 414-419, 2010, ISBN 978-0-88986-817-5, http://www.actapress.com/PaperInfo.aspx?PaperID=37735&reason=500. | IEEE Xplore | 4 | 5.000 |
| 40 | Cl. Pozna, V. Prahovean, R.-E. Precup, A New Pattern of Knowledge Based on Experimenting the Causality Relation, Proceedings of 14th International Conference on Intelligent Engineering Systems INES 2010, Las Palmas of Gran Canaria, Spain, pp. 61-66, 2010, ISBN 978-1-4244-7650-3, DOI: 10.1109/INES.2010.5483871. | IEEE Xplore | 3 | 6.667 |
| 41 | Cl. Pozna, R.-E. Precup, N. Minculete, Cs. Antonya, C.-A. Dragoş, Properties of Classes, Subclasses and Objects in an Abstraction Model, Proceedings of 19th International Workshop on Robotics in Alpe-Adria-Danube Region RAAD 2010, Budapest, Hungary, pp. 291-296, 2010, ISBN 978-1-4244-6885-0, DOI: 10.1109/RAAD.2010.5524569. | IEEE Xplore | 5 | 4.000 |
| 42 | C.-A. Dragoş, St. Preitl, R.-E. Precup, D. Pîrlea, C.-S. Neş, E. M. Petriu, Cl. Pozna, Modeling of a Vehicle with Continuously Variable Transmission, Proceedings of 19th International Workshop on Robotics in Alpe-Adria-Danube Region RAAD 2010, Budapest, Hungary, pp. 441-446, 2010, ISBN 978-1-4244-6885-0, DOI: 10.1109/RAAD.2010.5524546. | IEEE Xplore | 7 | 2.857 |
| 43 | M.-B. Rădac, R.-E. Precup, St. Preitl, J. K. Tar, K. J. Burnham, Tire Slip Fuzzy Control of a Laboratory Anti-lock Braking System, Proceedings of European Control Conference 2009 ECC'09, Budapest, Hungary, pp. 940-945, 2009l, ISBN 978-963-311-369-1, DOI: | IEEE Xplore | 4 | 5.000 |
| 44 | Cl. Pozna, R.-E. Precup, St. Preitl, E. M. Petriu, J. K. Tar, Structure for Behaviourist Representation of Knowledge, Proceedings of 10th International Symposium of Hungarian Researchers on Computational Intelligence and Informatics CINTI 2009, Budapest, Hungary, pp. 55-68, 2009, ISBN 978-963-7154-96-6, http://bmf.hu/conferences/cinti2009/program.htm. | Scopus | 5 | 4.000 |

| | | | | |
|---|---|---|---|---|
| 45 | C.-A. Dragoş, St. Preitl, R.-E. Precup, M. Creţiu, J. Fodor, Modern Control Solutions for Mechatronic Servosystems. Comparative Case Studies, Proceedings of 10th International Symposium of Hungarian Researchers on Computational Intelligence and Informatics CINTI 2009, Budapest, Hungary, pp. 69-82, 2009, ISBN 978-963-7154-96-6, http://bmf.hu/conferences/cinti2009/program.htm. | IEEE Xplore | 5 | 4.000 |
| 46 | M.-B. Rădac, R.-E. Precup, St. Preitl, J. K. Tar, J. Fodor, E. M. Petriu, Gain-Scheduling and Iterative Feedback Tuning of PI Controllers for Longitudinal Slip Control, Proceedings of 6th IEEE International Conference on Computational Cybernetics ICCC 2008, Stara Lesna, Slovakia, pp. 183-188, 2008, E-ISBN 9978-1-4244-2875-5, Print ISBN 978-1-4244-2874-8, DOI: 10.1109/ICCCYB.2008.4721402. | IEEE Xplore | 6 | 3.333 |
| 47 | R.-E. Precup, St. Preitl, E. M. Petriu, PI-fuzzy Controller Design Based on an Optimization Approach, IFAC-PapersOnLine, ISSN 1474-6670, International Federation of Automatic Control IFAC and Elsevier, Third IFAC Workshop on Advanced Fuzzy and Neural Control AFNC 07, editors: R. Babuska, T. M. Guerra, no. 41863, pp. 133-138, 2008, http://www.ifac-papersonline.net/Detailed/41863.html. | Scopus | 3 | 6.667 |
| 48 | St. Preitl, R.-E. Precup, Zs. Preitl, Case Studies in Teaching Fuzzy and Advanced Control Strategies, Proceedings of 8th International Symposium of Hungarian Researchers on Computational Intelligence and Informatics CINTI 2007, Budapest, Hungary, pp. 457-473, 2007, ISBN 978-963-7154-65-2, http://www.bmf.hu/conferences/cinti2007/final.htm. | Scopus | 3 | 6.667 |
| 49 | R.-E. Precup, St. Preitl, Low Cost Fuzzy Controlled Servo Systems in Mechatronic Systems, IFAC-PapersOnLine, ISSN 1474-6670, International Federation of Automatic Control IFAC and Elsevier, Proceedings of 4th IFAC Symposium on Mechatronic Systems MECHATRONICS 2006, no. 25221, pp. 247-252, 2007, http://www.ifac-papersonline.net/Detailed/25221.html. | Scopus | 2 | 10.000 |
| 50 | St. Preitl, R.-E. Precup, Zs. Preitl, Sensitivity Analysis of Low Cost Fuzzy Controlled Servo Systems IFAC-PapersOnLine, ISSN 1474-6670, International Federation of Automatic Control IFAC and Elsevier, Proceedings of the 16th IFAC World Congress, editor: P. Zitek, no. 28416, pp. 342-347, 2007, http://www.ifac-papersonline.net/Detailed/28416.html. | Scopus | 3 | 6.667 |
| 51 | R.-E. Precup, St. Preitl, Stability Analysis of Fuzzy Control Systems. Multivariable Point of View, IFAC-PapersOnLine, ISSN 1474-6670, International Federation of Automatic Control IFAC and Elsevier, Proceedings of the 16th IFAC World Congress, editor: P. Zitek, no. 28425, pp. 396-401, 2007, http://www.ifac-papersonline.net/Detailed/28425.html. | IEEE Xplore | 2 | 10.000 |
| 52 | R.-E. Precup, D. C. Bota, C.-A. Dragoş, A.-I. Stînean, St. Preitl, M.-B. Rădac, Frequency Domain Design of Fractional Order PI Controllers for Lambda Control, Proceedings of 18th International Conference on System Theory, Control and Computing ICSTCC 2014, Sinaia, Romania, ISBN 978-1-4799-4602-0, 2014, pp. 658-663, DOI: 10.1109/ICSTCC.2014.6982491. | IEEE Xplore | 6 | 3.333 |

| | | | | |
|---|---|---|---|---|
| 53 | A.-I. Stînean, St. Preitl, R.-E. Precup, C.-A. Dragoş, E. M. Petriu, M.-B. Rădac, Choosing a Proper Control Structure for a Mechatronic System with Variable Parameters, Proceedings of 2nd IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Systems (ICPS'13), Cluj-Napoca, Romania, D. Moga and P. Dobra, Eds., ISSN 1474-6670, paper 59763 on ifac-papersonline, pp. 26-31, 2013, DOI: 10.3182/20130522-3-RO-4035.00024. | Scopus | 6 | 3.333 |
| 54 | R.-C. David, R.-E. Precup, E. M. Petriu, C. Purcaru, St. Preitl, PSO and GSA Algorithms for Fuzzy Controller Tuning with Reduced Process Small Time Constant Sensitivity, Proceedings of 2012 16th International Conference on System Theory, Control and Computing (ICSTCC 2012), Sinaia, Romania, ISBN 978-1-4673-4534-7, paper 20, 6 pp., 2012, http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6379259. | IEEE Xplore | 5 | 4.000 |
| 55 | C. Purcaru, D. Iercan, R.-E. Precup, S. Enache, B. Dohangie, L.-O. Fedorovici, nRobotic Applications to Path Planning for Mobile Robots in Missions, Proceedings of 2012 16th International Conference on System Theory, Control and Computing (ICSTCC 2012), Sinaia, Romania, ISBN 978-1-4673-4534-7,paper 43, 6 pp., 2012, http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6379276. | IEEE Xplore | 6 | 3.333 |
| 56 | R.-E. Precup, St. Preitl, A.-I. Sînean, C.-A. Dragoş, M.-B. Rădac, Hybrid Fuzzy Controllers for Non-Minimum Phase Systems, Proceedings of IEEE 7th International Symposium on Applied Computational Intelligence and Informatics (SACI 2012), Timisoara, E-ISBN 978-1-4673-1012-3, Print ISBN 978-1-4673-1013-0, pp. 23-28, 2012, DOI: 10.1109/SACI.2012.6249970. | IEEE Xplore | 5 | 4.000 |
| 57 | L.-O. Fedorovici, R.-E. Precup, F. Drăgan, R.-C. David, C. Purcaru, Embedding Gravitational Search Algorithms in Convolutional Neural Networks for OCR Applications, Proceedings of IEEE 7th International Symposium on Applied Computational Intelligence and Informatics (SACI 2012), Timisoara,E-ISBN 978-1-4673-1012-3, Print ISBN 978-1-4673-1013-0, pp. 125-130, 2012, DOI: 10.1109/SACI.2012.6249989. | IEEE Xplore | 5 | 4.000 |
| 58 | C.-A. Dragoş, St. Preitl, R.-E. Precup, E. M. Petriu, M.-B. Rădac, A.-I. Stînean, Alternative Control Solutions for Vehicles with Continuously Variable Transmission. A Case Study, Proceedings of 15th International Conference on System Theory, Control and Computing (ICSTCC 2011), Sinaia, pp. 194-199, 2011, ISBN 978-1-4577-1173-2, http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6085671. | IEEE Xplore | 6 | 3.333 |
| 59 | R.-C. David, R.-E. Precup, S. Preitl, J. K. Tar, J. Fodor, Parametric Sensitivity Reduction of PI-Based Control Systems by Means of Evolutionary Optimization Algorithms, 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), Timişoara, Proceedings, ISBN 978-1-4244-9108-7, pp. 241-246, 2011, DOI: 10.1109/SACI.2011.5873007. | IEEE Xplore | 5 | 4.000 |
| 60 | R.-E. Precup, L. Kovács, T. Haidegger, St. Preitl, A. Kovács, B. Benyó, E. Borbély, Z. Benyó, Time Delay Compensation by Fuzzy Control in the Case of Master-Slave Telesurgery, 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), Timişoara, Proceedings, ISBN 978-1-4244-9108-7, pp. 305-310, 2011, DOI: 10.1109/SACI.2011.5873019. | IEEE Xplore | 8 | 2.500 |

| | | | | |
|---|---|---|---|---|
| 61 | St. Preitl, R.-E. Precup, A.-I. Stînean, C.-A. Dragoş, M.-B. Rădac, Extensions in Symmetrical Optimum Design Method. Advantages, Applications and Perspectives, 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), Timişoara, Proceedings, ISBN 978-1-4244-9108-7, pp. 17-22, 2011, DOI: 10.1109/SACI.2011.5873090. | IEEE Xplore | 5 | 4.000 |
| 62 | C.-A. Dragoş, St. Preitl, R.-E. Precup, C.-S. Neş, E. M. Petriu, G. Tîrtea, One- and Two-Degree-of-Freedom Fuzzy Control of an Eletromgnetic Actuated Clutch, 14th International Conference on System Theory and Control, Sinaia, 2010, Proceedings, Editura Universitaria Craiova, Craiova, ISSN 2068-0465, pp. 190-195. | INSPEC | 6 | 3.333 |
| 63 | R.-E. Precup, C.-A. Dragoş, St. Preitl, M.-B. Rădac, E. M. Petriu, Tensor Product Models for Automotive Applications, 14th International Conference on System Theory and Control, Sinaia, 2010, Proceedings, Editura Universitaria Craiova, Craiova, ISSN 2068-0465, pp. 405-410. | INSPEC | 5 | 4.000 |
| 64 | C.-A. Dragoş, St. Preitl, R.-E. Precup, R.-G. Bulzan, Cl. Pozna, J. K. Tar, Takagi-Sugeno Fuzzy Controller for a Magnetic Levitation System Laboratory Equipment, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010, Timişoara, Proceedings, ISBN 978-1-4244-7432-5, pp. 55-60, DOI: 10.1109/ICCCYB.2010.5491219. | IEEE Xplore | 6 | 3.333 |
| 65 | S. Biro, R.-E. Precup, D. Todinca, Double Inverted Pendulum Control by Linear Quadratic Regulator and Reinforcement Learning, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010, Timişoara, Proceedings, ISBN 978-1-4244-7432-5, pp. 159-164, 2010, DOI: 10.1109/ICCCYB.2010.5491309. | IEEE Xplore | 3 | 6.667 |
| 66 | T. Haidegger, L. Kovács, St. Preitl, R.-E. Precup, A. Kovács, B. Benyó, Z. Benyó, Modeling and Control Aspects of Long Distance Telesurgical Applications, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010, Timişoara, Proceedings, ISBN 978-1-4244-7432-5, pp. 197-202, 2010, DOI: 10.1109/ICCCYB.2010.5491301. | IEEE Xplore | 7 | 2.857 |
| 67 | J. K. Tar, I. J. Rudas, J. F. Bitó, St. Preitl, R.-E. Precup, Convergence Stabilization by Parameter Tuning in Robust Fixed Point Transformation-based Adaptive Control of Underactuated MIMO Systems, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010, Timişoara, Proceedings, ISBN 978-1-4244-7432-5, pp. 402-412, 2010, DOI: 10.1109/ICCCYB.2010.5491239. | IEEE Xplore | 5 | 4.000 |
| 68 | K. J. Burnham, B. Vinsonneau, R.-E. Precup, St. Preitl, On the Errors-in-Variables Extended Kalman Filter, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010, Timişoara, Proceedings, ISBN 978-1-4244-7432-5, pp. 413-418, 2010, DOI: 10.1109/ICCCYB.2010.5491236. | IEEE Xplore | 4 | 5.000 |
| 69 | A.-S. Paul, R.-E. Precup, Cl. Pozna, R.-C. David, nDSP: A Platform for Audiophile Software Audio Processing, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics ICCC-CONTI 2010, Timişoara, Proceedings, ISBN 978-1-4244-7432-5, pp. 431-436, 2010, DOI: 10.1109/ICCCYB.2010.5491235. | IEEE Xplore | 4 | 5.000 |

| | | | | |
|---|---|---|---|---|
| 70 | R.-E. Precup, St. Preitl, K. J. Burnham, B. Vinsonneau, Virtual Reference Feedback Tuning Approach to Fuzzy Control Systems Development, IFAC-PapersOnLine, ISSN 1474-6670, First IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems ICPS'07, editor: P. Dobra, no. 39506, pp. 123-128, 2008, DOI: 10.3182/20070709-3-RO-4910.00019. | Scopus | 4 | 5.000 |
| 71 | St. Preitl, R.-E. Precup, Zs. Preitl, S. Vaivoda, St. Kilyeni, J. K. Tar, Iterative Feedback and Learning Control. Servosystems Applications, IFAC-PapersOnLine, ISSN 1474-6670, First IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems ICPS'07, editor: P. Dobra, no. 39491, pp. 16-27, 2008, DOI: 10.3182/20070709-3-RO-4910.00004. | Scopus | 6 | 3.333 |
| 72 | R.-E. Precup, St. Preitl, Zs. Preitl, Fuzzy Control Solution for a Class of Tricycle Mobile Robots, Proceedings of 3rd IEEE International Conference on Mechatronics ICM 2006, Budapest, Hungary, pp. 203-208, 2006, E-ISBN 0-7803-9713-4, Print ISBN 0-7803-9712-6, DOI: 10.1109/ICMECH.2006.252525. | IEEE Xplore | 3 | 6.667 |
| 73 | R.-E. Precup, St. Preitl, Development of a Quasi-PI Fuzzy Controller Based on the Principle of Minimum Guaranteed Phase Margin, "Proceedings of the 14th World Congress. International Federation of Automatic Control", editors: H.-F. Chen, D.-Z. Cheng, J.-F. Zhang, ISBN 0-08-043222-0, Elsevier Science, 1999, vol. 12, pp. 183-188. | INSPEC | 2 | 10.000 |
| 74 | St. Preitl, R.-E. Precup, St. Kilyeni, Variable Structure Fuzzy Controllers for Speed and Voltage Control of Synchronous Generators, 34th Universities Power Engineering Conference UPEC'99, Leicester (Anglia), Proceedings, vol. 1, 1999, pp. 185-188. | Scopus | 3 | 6.667 |
| 75 | R.-E. Precup, St. Preitl, Two-level Fuzzy Control of a Hydrogenerator, 32nd Universities Power Engineering Conference UPEC'97, Proceedings, Manchester (Anglia), vol. 1, 1997, pp. 539-542. | Scopus | 2 | 10.000 |
| 76 | R.-E. Precup, St. Preitl, Stability Analysis of Minimum- and Nonminimum- Phased Fuzzy Control Systems, Fourth European Congress on Intelligent Techniques and Soft Computing EUFIT'96, Proceedings, editor: H.-J. Zimmermann, Verlag Mainz, ISBN 3-89653-187-5, Aachen (Germania), vol. 2, 1996, pp. 1065-1069. | INSPEC | 2 | 10.000 |
| | | | | |
| | | | TOTAL | 373.976 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A 2.3 Proprietate intelectuala, brevete de inventie, certificate ORDA

A 2.3.1 Internaționale

| Nr. crt. | Nume brevet | Nr. autori | Punctaj |
|---|---|---|---|
| 1 | Formula =35/C14 | | |
| 2 | | | |
| | | TOTAL | 0 |

A 2.4.1.2 Naționale

| Nr. crt. | Nume brevet | Nr. autori | Punctaj |
|---|---|---|---|
| 1 | R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, Software înregistrat la O.R.D.A. sub numărul 3112/04.04.2013, "Metodologie şi programe pentru dezvoltarea şi simularea sistemelor fuzzy de tip Takagi-Sugeno cu timp continuu, SIM-FUZZY-TC". | 3 | 8.333 |
| 2 | R.-E. Precup, C.-A. Dragoş, M.-B. Rădac, Software înregistrat la O.R.D.A. sub numărul 5121/06.06.2013, "Metodologie şi programe pentru dezvoltarea şi simularea sistemelor fuzzy de tip Takagi-Sugeno cu timp discret, SIM-FUZZY-TD". | 3 | 8.333 |
| | | TOTAL | 16.667 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A 2.4 Granturi/proiecte de cercetare câștigate prin competiție

A 2.4.1 Director/responsabil partener

A 2.4.1.1 Internaționale

| Nr. crt. | Grantul/proiectul | Nr. ani | Punctaj |
|---|---|---|---|
| 1 | New results in development and applications of fuzzy control systems, Protocol of the Third Meeting of the Joint Committee for Scientific and Technological Co-operation between Romania and the Republic of Slovenia / 11.12.2007-24.12.2007; ID no 3 in Annex 1; Programul CAPACITATI din cadrul PN II, Modul III, Proiect bilateral România-Slovenia, 2008 – 2009, MEdCT România, MCT Slovenia, directori: R-R.-E. Precup (UPT), assoc.prof.dr. Igor Skrjanc (University of Ljubljana), valoare: 8000 EUR / an. | 2 | 40 |
| | | TOTAL | 40 |

A 2.4.1.2 Naționale

| Nr. crt. | Grantul/proiectul | Nr. ani | Punctaj |
|---|---|---|---|
| 1 | Sistem de conducere avansată a unei instalaţii de tip biorafinărie (Advanced control system of a biorefinery plant), contract nr. 269 / 2014, Programul Parteneriate în domeniile prioritare, Proiecte Colaborative de Cercetare Aplicativă, cod proiect PN-II-PT-PCCA-2013-4-0070, 2014 – 2017, UEFISCDI, responsabil de proiect al partenerului Universitarea Politehnica Timişoara: R.-E. Precup, director: prof.dr.ing. S. Caraman (Universitatea "Dunărea de Jos" din Galaţi), valoare: 1449040 lei, valoare UPT: 75000 lei. | 3 | 30 |
| 2 | Sisteme de conducere avansată a unor bioprocese din industria alimentară (Advanced control systems for bioprocesses in food industry), contract nr. 211 / 2014, Programul Parteneriate în domeniile prioritare, Proiecte Colaborative de Cercetare Aplicativă, cod proiect PN-II-PT-PCCA-2011-3.2-0732, 2014 – 2017, UEFISCDI, responsabil de proiect al partenerului Universitarea Politehnica Timişoara: R.-E. Precup, director: prof.dr.ing. D. Selişteanu (Universitatea din Craiova), valoare: 1207500 lei, valoare UPT: 200000 lei. | 3 | 30 |

| | | | |
|---|---|---|---|
| 3 | Produse software bazate pe algoritmi de inteligenţă artificială cu aplicaţii în modelarea şi optimizarea sistemelor chimice (Software products based on artificial intelligence algorithms applied to modelling and optimization of chemical systems), contract nr. 23 / 2012, Programul Parteneriate în domeniile prioritare, Proiecte Colaborative de Cercetare Aplicativă, cod proiect PN-II-PT-PCCA-2011-3.2-0732, 2012 – 2016, CNDI – UEFISCDI, responsabil de proiect al partenerului Universitarea Politehnica Timişoara: R.-E. Precup, director: prof.dr.ing. S. Curteanu (Universitatea Tehnică "Gheorghe Asachi" din Iaşi), valoare: 1580081 lei, valoare UPT: 400000 lei. | 4 | 40 |
| 4 | Noi tehnici de imbunatatire a performantelor sistemelor de reglare automata utilizand acordarea parametrilor bazata pe experimente (New performance improvement techniques of control systems using experiment-based tuning), contract nr. 167 / 05.10.2011, Programul IDEI, Proiecte de cercetare exploratorie, cod proiect PN-II-ID-PCE-2011-3-0109, 2011 – 2016, CNCS – UEFISCDI, director: R.-E. Precup, valoare: 1461600 lei. | 5 | 50 |
| 5 | Tehnologii informatice de timp real pentru sistemele încorporate care asigură controlul lanţului de transmisie a puterii la autovehicule, acronim SICONA, contract nr. 12100 / 01.10.2008, Programul "Parteneriate în domeniile prioritare" din cadrul PN II, 2008 – 2011, Centrul Naţional de Management Programe – CNMP, responsabil de proiect al partenerului Universitarea "Politehnica" din Timişoara: R.-E. Precup, director: prof.dr.ing. C. Lazăr (Universitatea Tehnică "Gheorghe Asachi" din Iaşi), valoare: 2000000 lei, valoare UPT: 469126 lei | 3 | 30 |
| 6 | Dezvoltarea unor noi structuri de regulatoare fuzzy pentru sisteme încorporate utilizând algoritmi de tip Iterative Feedback Tuning, contract CNCSIS de tip A, CNCSIS – MEdC (2006), CNCSIS – MEdCT (2007), contract nr. 2739, tema 15, cod CNCSIS 366, 2006, contract nr. GR76, tema 31, cod CNCSIS 366, 2007, director: R.-E. Precup, valoare: 29400 lei (2006) + 31900 lei (2007). | 2 | 20 |
| 7 | Dezvoltarea unor noi structuri de regulatoare fuzzy bazate pe teoria sensibilităţii, contract CNCSIS de tip A, CNCSIS – MEdC (2004), contraact nr. 32940, tema 19, 2004, contract nr. 32940, tema T25, continuare 2005, director: R.-E. Precup, valoare: 201500000 ROL (2004) + 27000 lei (2005). | 2 | 20 |
| 8 | Cercetări privind noi metode de analiză a stabilităţii unei clase de sisteme de reglare fuzzy cu aplicaţii la dezvoltarea unor regulatoare fuzzy de tip Takagi-Sugeno, contact de tip A, CNCSIS – MEdC, contract nr. 34977, tema 34, 2001, director: R.-E. Precup, valoare: 39200000 ROL. | 1 | 10 |
| 9 | Cercetări privind implementarea unor algoritmi de conducere fuzzy destinaţi servosistemelor electrohidraulice şi electromecanice, contract de tip A, CNCSU – MEdN, nr. 5004, tema 345, 1996, director: R.-E. Precup, valoare: 6000000 ROL. | 1 | 10 |
| | | TOTAL | 240 |

A 2.4.2 Membru în echipă

A 2.4.2.1 Internaţionale

| Nr. crt. | Grantul/proiectul | Nr. ani | Punctaj |
|---|---|---|---|
| 1 | Integration of Iterative Learning Control (ILC) and Fuzzy Methods in Intelligent Control Systems, Protocol of the 4th Meeting of the Romanian-Hungarian Intergovernmental Committee on Cooperation in Science and Technology / 18.02.2008; RO ID 39 in Annex 2, Programul CAPACITATI din cadrul PN II, Modul III, Proiect bilateral România-Ungaria, 2008 - 2009, MEdCT România, MCT Ungaria, directori: prof.dr.ing. St. Preitl (UPT), prof.dr. Janos Fodor (Budapest Tech Polytechnical Institution), valoare: 8000 EUR / an. | 2 | 8 |
| 2 | Analysis and development of intelligent systems, contract nr. C18001 / 09.01.2006, poziţia 35 ID no 17, 2006 - 2007, MEdC România, MCT Ungaria, directori: prof.dr.ing. St. Preitl (UPT), prof.dr. Janos Fodor (Budapest Tech Polytechnical Institution), valoare: 8000 EUR / an. | 2 | 8 |
| 3 | Nonlinear systems and control in the field of power electronics (Conducerea sistemelor neliniare în domeniul convertoarelor de putere), contract nr. C18051 / 26.03.2003, poziţia 16 – Ro 18/2002, 2003 - 2005, MEdC România, MCT Ungaria, directori: prof.dr.ing. St. Preitl (UPT), acad.dr.ing. Istvan Nagy (Universitatea Tehnică şi Economică din Budapesta), valoare: 8000 EUR / an. | 2 | 8 |
| | | TOTAL | 24 |

A 2.4.2.2 Naţionale

| Nr. crt. | Grantul/proiectul | Nr. ani | Punctaj |
|---|---|---|---|
| 1 | IMproving the PREdiction of opinion dynamics in temporal Social networks: Mathematical modeling and Simulation framework (IMPRESS), Proiect postdoctoral, cod proiect PN-III-P1-1.1-PD-2016-0193, 2018-2019, UEFISCDI, director: ş.l.dr.ing. A. Topîrceanu, valoare: 178215 lei. | 1 | 2 |
| 2 | NONlinear OBServers-based control structures applied to MEChatronics Systems (NOBSMECS), Proiect postdoctoral, cod proiect, PN-III-P1-1.1-PD-2016-0331, 2018-2019, UEFISCDI, director: ş.l.dr.ing. A.-I. Szedlak-Stînean, valoare: 220169 lei. | 1 | 2 |
| 3 | Tehnici de învăţare pentru îmbunătăţirea performanţelor sistemelor de conducere automată folosind abordări de tip model-free, contract nr. 130/01.10.2015, Programul Resurse umane, Proiecte de cercetare pentru stimularea constituirii de tinere echipe de cercetare independente, cod proiect PNII-RU-TE-2014-4-0207, 2015 – 2017, UEFISCDI, director: ş.l.dr.ing. M.-B. Rădac, valoare: 365705 lei. | 3 | 6 |
| 4 | Model experimental pentru un compensator capacitiv automat destinat îmbunătăţirii factorului de putere şi echilibrării sarcinii în reţelele electrice de distribuţie de joasă tensiune (CAEREDJT), contract nr. 48 / 2014, Programul Parteneriate în domeniile prioritare, Proiecte Colaborative de Cercetare Aplicativă, cod proiect PN-II-PT-PCCA-2013-4-1083, 2014 – 2016, UEFISCDI, director: conf.dr.ing. A. Pană (Universitarea Politehnica Timişoara), valoare: 600000 lei. | 3 | 6 |

| | | | |
|---|---|---|---|
| 5 | Cercetări în designul şi implementarea unor soluţii moderne pentru securitatea informaţiei în sisteme distribuite, SCADA, DCS şi de control la distanţă cu aplicaţii în distribuţia gazelor, cod CNCSIS ID_940, Programul IDEI, Proiecte de cercetare exploratorie, 2009 – 2011, UEFISCSU – MedCI, director: prof.dr.ing. I. Silea, valoare: 254380 lei. | 2 | 4 |
| 6 | Cercetări privind noi sisteme cognitive bazate pe experimentarea relaţiilor cauzale, cod CNCSIS ID_842, Programul IDEI, Proiecte de cercetare exploratorie, 2009 – 2011, UEFISCSU – MedCI, director: conf.dr.ing. Cl. Pozna (Universitatea Transilvania din Braşov), valoare: 927639 lei. | 2 | 4 |
| 7 | Sisteme integrate de conducere în timp real în reţea a proceselor, acronim SICOTIR, contract nr. 71084 / 14.09.2007, Programul "Parteneriate în domeniile prioritare" din cadrul PN II, 2007 – 2010, Centrul Naţional de Management Programe – CNMP, director: prof.dr.ing. C. Ionete (Universitatea din Craiova), responsabil partener UPT: prof.dr.ing. I. Silea, valoare: 2000000 lei. | 3 | 6 |
| 8 | Analiza şi dezvoltarea sistemelor de conducere inteligentă cu regulatoare fuzzy dedicate servosistemelor, contract CNCSIS de tip A, nr. 46GR, tema 9, cod CNCSIS 366, 2007, contract nr. 98GR, tema 14, cod CNCSIS 370, 2008, CNCSIS – MEdCT, director: prof.dr.ing. St. Preitl, valoare: 58800 lei (2007) + 63800 lei (2008). | 2 | 4 |
| 9 | Analiza şi dezvoltarea sistemelor de conducere inteligentă cu regulatoare fuzzy dedicate servosistemelor, contract CNCSIS de tip A, nr. 46GR, tema 9, cod CNCSIS 366, 2007, contract nr. 98GR, tema 14, cod CNCSIS 370, 2008, CNCSIS – MEdCT, director: prof.dr.ing. St. Preitl, valoare: 58800 lei (2007) + 63800 lei (2008). | 2 | 4 |
| 10 | Dezvoltarea unor noi structuri de conducere şi metode de proiectare a regulatoarelor pentru sisteme de poziţionare, contract CNCSIS de tip A, contract nr. 32940, tema 20, 2004, CNCSIS – MEdC, contract nr. 32940, tema T26, continuare 2005, director: prof.dr.ing. St. Preitl, valoare: 150000000 ROL (2004) + 22000 lei (2005). | 2 | 4 |
| 11 | Cercetări privind dezvoltarea unor metode de analiză a robusteţii sistemelor de reglare fuzzy bazate pe analiza sensibilităţii parametrice a acestora, contract de tip A, contract nr. 34977, tema 35, 2001, CNCSIS – MEdC, director: prof.dr.ing. St. Preitl, valoare: 42400000 ROL. | 1 | 2 |
| 12 | Cercetări privind dezvoltarea unor noi metode de analiză a stabilităţii sistemelor de reglare fuzzy cu aplicaţii la conducerea unor procese din energetică, contract nr. 36681, tema 3, 2000, CNCSIS – MEdN, director: prof.dr.ing. St. Preitl, valoare: 40000000 ROL. | 1 | 2 |
| 13 | Cercetări privind dezvoltarea unor structuri de conducere şi metode de proiectare a regulatoarelor pentru sisteme de acţionare cu moment de inerţie variabil, contract 36, tema 2, 1998, CNCSU – MEdN, contract nr. 35034, tema 40, 1999, CNCSIS – MEdN, director: prof.dr.ing. St. Preitl, valoare: 60000000 ROL (1998) + 40000000 ROL (1999). | 2 | 4 |
| 14 | Stabilitatea tranzitorie şi stabilitatea tensiunii în sisteme electroenergetice, contract nr. 36, 1998, CNCSIS – Banca Mondială, director: prof.dr.ing. St. Kilyeni, valoare: 50000 USD. | 1 | 2 |
| 15 | Sisteme inteligente de conducere a proceselor, contract nr. 44034 (37), 1998, CNCSIS – Banca Mondială, director: prof.dr.ing. I. Dumitrache, valoare: 170000 USD. | 1 | 2 |
| 16 | Cercetări privind dezvoltarea unor strategii de conducere a generatoarelor sincrone bazate pe teoria mulţimilor vagi, contract nr. 7004, tema 21, 1997, CNCSU – MEdN, director: prof.dr.ing. St. Preitl, valoare: 10000000 ROL. | 1 | 2 |
| 17 | Structuri de regulatoare fuzzy cu dinamică şi cu adaptare fuzzy a parametrilor regulatoarelor destinate conducerii proceselor cu fază neminimă, contract nr. 2039 GR, tema B1, 1996, Academia Română, director: prof.dr.ing. St. Preitl, valoare: 8000000 ROL. | 1 | 2 |

| | | | |
|---|---|---|---|
| 18 | Cercetări privind dezvoltarea unor strategii de conducere a generatoarelor sincrone bazate pe teoria mulţimilor vagi, contract nr. 5004, tema 351, 1996, CNCSU, director: prof.dr.ing. St. Preitl, valoare: 6000000 ROL. | 1 | 2 |
| 19 | Dezvoltarea unor strategii şi structuri de conducere şi de regulatoare cu aplicatii în conducerea hidrogeneratoarelor, contract nr. 4004, tema 40 B, 1995, CNCSU, director: prof.dr.ing. St. Preitl, valoare: 4000000 ROL. | 1 | 2 |
| | | TOTAL | 62 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A3 Recunoașterea și impactul activității
A 3.1 Citări în cărți, reviste și volume ale unor manifestări științifice
A 3.1.1 Cărți, ISI

| Nr. crt. | Lucrarea care citează | 2 dacă lucr care citează este în Q1, Q2 | Lucrarea citată | Nr. autori lucrare citată | Punctaj |
|---|---|---|---|---|---|
| | | | | | |
| 1 | Observer-Based State Estimation of Discrete-Time Fuzzy Systems Based on a Joint Switching Mechanism for Adjacent Instants, By: Xie, Xiangpeng; Yue, Dong; Park, Ju H., IEEE TRANSACTIONS ON CYBERNETICS, Volume: 50, Issue: 8, Pages: 3545-3555, Published: AUG. 2020, WOS:000548811800011. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 2 | An empirical evaluation of the inferential capacity of defeasible argumentation, non-monotonic fuzzy reasoning and expert systems, By: Rizzo, Lucas; Longo, Luca, EXPERT SYSTEMS WITH APPLICATIONS, Volume: 147, Article Number: 113220, Published: JUN 2020, WOS:000521117700023. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 3 | Relaxed Multi-Instant Fuzzy State Estimation Design of Discrete-Time Nonlinear Systems and its Application: A Deep Division Approach, By: Xie, Xiangpeng; Yue, Dong; Park, Ju H.; et al., Conference: IEEE NEWCAS Conference Location: Munich, GERMANY Date: JUN 23-26, 2019, Sponsor(s): IEEE, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Volume: 67, Issue: 5, Pages: 1775-1785, Published: MAY 2020, WOS:000531328700031. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 4 | Fuzzy logic-based modelling of yield strength of as-cast A356 alloy, By: Tarasov, Vladimir; Tan, He; Jarfors, Anders E. W.; et al., NEURAL COMPUTING & APPLICATIONS, Volume: 32, Issue: 10, Special Issue: SI, Pages: 5833-5844, Published: MAY 2020, WOS:000529745200042. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 5 | Fuzzy Stabilization Design for Semilinear Parabolic PDE Systems With Mobile Actuators and Sensors, By: Zhang, Xiao-Wei; Wu, Huai-Ning, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 28, Issue: 3, Pages: 474-486, Published: MAR 2020, WOS:000521990800006. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 6 | Hybrid fuzzy control for the goethite process in zinc production plant combining type-1 and type-2 fuzzy logics, By: Xie, Shiwen; Xie, Yongfang; Li, Fanbiao; et al., NEUROCOMPUTING, Volume: 366, Pages: 170-177, Published: NOV 13 2019, WOS:000488202500017. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 7 | IMC-based PID control of servo motors with extended state observer, By: Li, Ping; Zhu, Guoli, MECHATRONICS, Volume: 62, Article Number: 102252, Published: OCT 2019, WOS:000488656000007. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 8 | Heuristic design of fuzzy inference systems: A review of three decades of research, By: Ojha, Varun; Abraham, Ajith; Snasel, Vaclav, ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Volume: 85, Pages: 845-864, Published: OCT 2019, WOS:000488994300065. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 9 | Neo-fuzzy neuron learning using backfitting algorithm, By: Mendes, Jerome; Souza, Francisco; Araujo, Rui; et al., NEURAL COMPUTING & APPLICATIONS, Volume: 31, Issue: 8, Pages: 3609-3618, Published: AUG 2019, WOS:000485922300027. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 10 | Intuit before tuning: Type-1 and type-2 fuzzy logic controllers, By: Sarabakha, Andriy; Fu, Changhong; Kayacan, Erdal, APPLIED SOFT COMPUTING, Volume: 81, Article Number: 105495, Published: AUG 2019, WOS:000476471800030. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 11 | Static Collocated Piecewise Fuzzy Control Design of Quasi-Linear Parabolic PDE Systems Subject to Periodic Boundary Conditions, By: Wang, Jun-Wei; Li, Han-Xiong, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 27, Issue: 7, Pages: 1479-1492, Published: JUL 2019, WOS:000473644200013. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 12 | Filter design for discrete-time two-dimensional T-S fuzzy systems with finite frequency specification, By: Duan, Zhaoxia; Zhou, Jun; Shen, Jian, INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE, Volume: 50, Issue: 3, Pages: 599-613, Published: FEB 17 2019, WOS:000458671100010. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 13 | Spatially Piecewise Fuzzy Control Design for Sampled-Data Exponential Stabilization of Semilinear Parabolic PDE Systems, By: Wang, Jun-Wei; Tsai, Shun-Hung; Li, Han-Xiong; et al., IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 26, Issue: 5, Pages: 2967-2980, Published: OCT 2018, WOS:000446675400038. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 14 | Hybrid force/position control of robotic arms manipulating in uncertain environments based on adaptive fuzzy sliding mode control, By: Ravandi, Abbas Karamali; Khanmirza, Esmaeel; Daneshjou, Kamran, APPLIED SOFT COMPUTING, Volume: 70, Pages: 864-874, Published: SEP 2018, WOS:000443296000056. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 15 | Adaptive T-S fuzzy controller using reinforcement learning based on Lyapunov stability, By: Khater, A. Aziz; El-Nagar, Ahmad M.; El-Bardini, Mohammad; et al., JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, Volume: 355, Issue: 14, Pages: 6390-6415, Published: SEP 2018, WOS:000443286300012. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 16 | A Fast and Accurate Rule-Base Generation Method for Mamdani Fuzzy Systems, By: Dutu, Liviu-Cristian; Mauris, Gilles; Bolon, Philippe, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 26, Issue: 2, Pages: 715-733, Published: APR 2018, WOS:000428613500025. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 17 | Flexible Fuzzy PID Controller (FFPIDC) and a Nature-Inspired Method for Its Construction, By: Lapa, Krystian; Cpalka, Krzysztof, IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, Volume: 14, Issue: 3, Pages: 1078-1088, Published: MAR 2018, WOS:000426700600025. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 18 | Exponential Pointwise Stabilization of Semilinear Parabolic Distributed Parameter Systems via the Takagi-Sugeno Fuzzy PDE Model, By: Wang, Jun-Wei; Wu, Huai-Ning, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 26, Issue: 1, Pages: 155-173, Published: FEB 2018, WOS:000424985400013. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 19 | Network-based fuzzy H-infinity controller design for T-S fuzzy systems via a new event-triggered communication scheme, By: Lu, An-Yang; Zhai, Ding; Dong, Jiuxiang; et al., NEUROCOMPUTING, Volume: 273, Pages: 403-413, Published: JAN 17 2018, WOS:000414762100039. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 20 | A review on stability analysis of continuous-time fuzzy-model-based control systems: From membership-function-independent to membership-function-dependent analysis, By: Lam, H. K., ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Volume: 67, Pages: 390-408, Published: JAN 2018, WOS:000417656900032. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 21 | Constrained Nonlinear-Based Optimisation Applied to Fuzzy PID Controllers Tuning, By: Gil, Paulo; Sebastiao, Ana; Lucena, Catarina, ASIAN JOURNAL OF CONTROL, Volume: 20, Issue: 1, Pages: 135-148, Published: JAN 2018, WOS:000419772000012. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 22 | Explicit formula of hedge-algebras-based fuzzy controller and applications in structural vibration control, By: Hai-Le Bui; Tung-Anh Le; Van-Binh Bui, APPLIED SOFT COMPUTING, Volume: 60, Pages: 150-166, Published: NOV 2017, WOS:000414072200011. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 23 | Application of Fuzzy Cognitive Maps and Run-to-Run Control to a Decision Support System for Global Set-Point Determination, By: Cano Marchal, Pablo; Gamez Garcia, Javier; Gomez Ortega, Juan, IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS, Volume: 47, Issue: 8, Pages: 2256-2267, Published: AUG 2017, WOS:000411096800041. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 24 | A Membership-Function-Dependent Approach to Design Fuzzy Pointwise State Feedback Controller for Nonlinear Parabolic Distributed Parameter Systems With Spatially Discrete Actuators, By: Wang, Jun-Wei; Li, Han-Xiong; Wu, Huai-Ning, IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS, Volume: 47, Issue: 7, Pages: 1486-1499, Published: JUL 2017, WOS:000404354600037. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 25 | Design of State Feedback Adaptive Fuzzy Controllers for Second-Order Systems Using a Frequency Stability Criterion, By: Wiktorowicz, Krzysztof, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 25, Issue: 3, Pages: 499-510, Published: JUN 2017, WOS:000402740000002. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 26 | A new MIMO ANFIS-PSO based NARMA-L2 controller for nonlinear dynamic systems, By: Al-Dunainawi, Yousif; Abbod, Maysam F.; Jizany, Ali, ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Volume: 62, Pages: 265-275, Published: JUN 2017, WOS:000403122500020. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 27 | An inverse controller design method for interval type-2 fuzzy models, By: Kumbasar, Tufan; Eksin, Ibrahim; Guzelkaya, Mujde; et al., Conference: International Conference on Logical Algebras and Semirings (LAS) in honor of the 65th Birthday of Wolfgang Rump, Location: Beihang Univ, Haidian Campus, Beijing, PEOPLES R CHINA, Date: 2015, SOFT COMPUTING, Volume: 21, Issue: 10, Special Issue: SI, Pages: 2665-2686, Published: MAY 2017, WOS:000400234600021. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 28 | An intelligent switching control for a mixed separation thickener process, By: Chai, Tianyou; Jia, Yao; Li, Haibo; et al., CONTROL ENGINEERING PRACTICE, Volume: 57, Pages: 61-71, Published: DEC 2016, WOS:000387192700006. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 29 | Fuzzy guaranteed cost sampled-data control of nonlinear systems coupled with a scalar reaction -diffusion process, By: Wang, Jun-Wei; Li, Han-Xiong; Wu, Huai-Ning, FUZZY SETS AND SYSTEMS, Volume: 302, Pages: 121-142, Published: NOV 1 2016, WOS:000383821400007. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 30 | Exponentially stable guaranteed cost control for continuous and discrete-time Takagi-Sugeno fuzzy systems, By: Pang, Bo; Liu, Xiaocheng; Jin, Qibing; et al., NEUROCOMPUTING, Volume: 205, Pages: 210-221, Published: SEP 12 2016, WOS:000378952500020. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 31 | Robust nonlinear PID-like fuzzy logic control of a planar parallel (2PRP-PPR) manipulator, By: Londhe, P. S.; Singh, Yogesh; Santhakumar, M.; et al., ISA TRANSACTIONS, Volume: 63, Pages: 218-232, Published: JUL 2016, WOS:000381164700023. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 32 | Robust Stability Analysis and Systematic Design of Single-Input Interval Type-2 Fuzzy Logic Controllers By: Kumbasar, Tufan, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 24, Issue: 3, Pages: 675-694, Published: JUN 2016, WOS:000377373300014. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 33 | Recent Advances on Fuzzy-Model-Based Nonlinear Networked Control Systems: A Survey, By: Qiu, Jianbin; Gao, Huijun; Ding, Steven X., IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 63, Issue: 2, Pages: 1207-1217, Published: FEB 2016, WOS:000369990300050. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 34 | Fuzzy control turns 50: 10 years later, By: Guerra, Thierry M.; Sala, Antonio; Tanaka, Kazuo, FUZZY SETS AND SYSTEMS, Volume: 281, Special Issue: SI, Pages: 168-182, Published: DEC 15 2015, WOS:000363458900013. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 35 | Artificial cognitive control with self-x capabilities: A case study of a micro-manufacturing process, By: Haber, Rodolfo E.; Juanes, Carmelo; del Toro, Raul; et al., COMPUTERS IN INDUSTRY, Volume: 74, Special Issue; SI, Pages: 135-150, Published: DEC 2015, WOS:000364893000011. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 36 | FPGA-based startup for AC electric drives: Application to a greenhouse ventilation system, By: Rivera, Jorge; Jose Raygoza, Juan; Ortega Cisneros, Susana; et al., COMPUTERS IN INDUSTRY, Volume: 74, Special Issue: SI, Pages: 173-185, Published: DEC 2015, WOS:000364893000014. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 37 | Indirect adaptive fuzzy control for industrial robots: A solution for contact applications, By: Mendes, Nuno; Neto, Pedro, EXPERT SYSTEMS WITH APPLICATIONS, Volume: 42, Issue: 22, Pages: 8929-8935, Published: DEC 1 2015, WOS:000361923100046. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 38 | Robust Design of Fuzzy Structured Controllers via a Moving Boundaries Process, By: Toscano, Rosario; Ivan, Ioan Alexandru; Xue, Zhebin, IEEE TRANSACTIONS ON CYBERNETICS, Volume: 45, Issue: 8, Pages: 1610-1621, Published: AUG 2015, WOS:000358213100019. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 39 | Gain Tuning of Fuzzy PID Controllers for MIMO Systems: A Performance-Driven Approach, By: Gil, Paulo; Lucena, Catarina; Cardoso, Alberto; et al., IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 23, Issue: 4, Pages: 757-768, Published: AUG 2015, WOS:000359262400003. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 40 | A Lyapunov stable type-2 fuzzy wavelet network controller design for a bilateral teleoperation system, By: Ganjefar, Soheil; Solgi, Younes, INFORMATION SCIENCES, Volume: 311, Pages: 1-17, Published: AUG 1 2015, WOS:000354504900001. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 41 | Design and Experimental Implementation of DTC of an Induction Machine Based on Fuzzy Logic Control on FPGA, By: Gdaim, Soufien; Mtibaa, Abdellatif; Mimouni, Mohamed Faouzi, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 23, Issue: 3, Pages: 644-655, Published: JUN 2015, WOS:000355764700013. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 42 | TP MODEL TRANSFORMATION AS A MANIPULATION TOOL FOR QLPV ANALYSIS AND DESIGN, By: Baranyi, Peter, ASIAN JOURNAL OF CONTROL, Volume: 17, Issue: 2, Pages: 497-507, Published: MAR 2015, WOS:000351167300013. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 43 | H-infinity FAULT DETECTION FOR TWO-DIMENSIONAL T-S FUZZY SYSTEMS IN FM SECOND MODEL, By: Wang, Lanning; Wang, Weiqun, ASIAN JOURNAL OF CONTROL, Volume: 17, Issue: 2, Pages: 554-568, Published: MAR 2015, WOS:000351167300018. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 44 | An optimal vibration control strategy for a vehicle's active suspension based on improved cultural algorithm, By: Wang, Wei; Song, Yuling; Xue, Yanbing; et al., APPLIED SOFT COMPUTING, Volume: 28, Pages: 167-174, Published: MAR 2015, WOS:000348452500018. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |

| | | | | | |
|---|---|---|---|---|---|
| 45 | Fuzzy Control Design for Nonlinear ODE-Hyperbolic PDE-Cascaded Systems: A Fuzzy and Entropy-Like Lyapunov Function Approach, By: Wang, Jun-Wei; Wu, Huai-Ning; Li, Han-Xiong, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 22, Issue: 5, Pages: 1313-1324, Published: OCT 2014, WOS:000344751200020. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 46 | The Generalized TP Model Transformation for T-S Fuzzy Model Manipulation and Generalized Stability Verification, By: Baranyi, Peter, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 22, Issue: 4, Pages: 934-948, Published: AUG 2014, WOS:000344661600018. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 47 | On Periodic Control Laws for Mobile Robots, By: Blazic, Saso, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 61, Issue: 7, Pages: 3660-3670, Published: JUL 2014, WOS:000331296000053. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 48 | Fuzzy Boundary Control Design for a Class of Nonlinear Parabolic Distributed Parameter Systems, By: Wu, Huai-Ning; Wang, Jun-Wei; Li, Han-Xiong, IEEE TRANSACTIONS ON FUZZY SYSTEMS, Volume: 22, Issue: 3, Pages: 642-652, Published: JUN 2014, WOS:000337128900014. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 49 | Non-fragile H-infinity filter design for discrete-time fuzzy systems with multiplicative gain variations, By: Chang, Xiao-Heng; Yang, Guang-Hong, INFORMATION SCIENCES, Volume: 266, Pages: 171-185, Published: MAY 10 2014, WOS:000333503700014. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| 50 | Hybrid-fuzzy modeling and identification, By: Nunez, Alfredo; De Schutter, Bart; Saez, Doris; et al., APPLIED SOFT COMPUTING, Volume: 17, Pages: 67-78, Published: APR 2014, WOS:000331545600007. | 2 | R.-E. Precup, H. Hellendoorn, A survey on industrial applications of fuzzy control, Computers in Industry (Elsevier Science), vol. 62, no. 3, pp. 213-226, 2011, DOI: 10.1016/j.compind.2010.10.001. | 2 | 8 |
| | | | | TOTAL | 400 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A 3.2 Membru în comitetele de redacție sau comitelele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI

| Nr. crt. | Activitatea | Punctaj |
|---|---|---|
| | | |
| 1 | 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 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 9.518, ISSN 1063-6706. | 10 |
| 2 | Associate editor al revistei IEEE Transactions on Cybernetics (din 2018), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 11.079, ISSN 2168-2267. | 10 |
| 3 | Associate editor al revistei Information Sciences, Elsevier (din 2020), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 5.910, ISSN 0020-0255. | 10 |
| 4 | Membru al Editorial Board al revistei Applied Soft Computing, Elsevier (din 2014), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 5.472, ISSN 1568-4946. | 10 |
| 5 | 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), ISSN 1868-6478. | 10 |
| 6 | Editor al revistei Cogent Engineering, Taylor & Francis, Anglia (din 2017), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), ISSN 2331-1916. | 10 |
| 7 | Membru al Editorial Board al revistei Proceedings of the Romanian Academy, Series A: Mathematics, Physics, Technical Sciences, Information Science, Academia Română (din 2018), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 1.294, ISSN 1454-9069. | 10 |
| 8 | Membru al Editorial Board al revistei Romanian Journal of Information Science and Technology, Academia Română (din 2018), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 0.485, ISSN 1453-8245. | 10 |
| 9 | Membru al Senior Editorial Board al revistei Studies in Informatics and Control, ICI Bucureşti (din 2020), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 2.102, ISSN 1220-1776. | 10 |

| | | |
|---|---|---|
| 10 | Associate Editor al revistei Control Engineering and Applied Informatics, Societatea Română de Automatică şi Informatică Tehnică (din 2016), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 0.775, ISSN 1454-8658. | 10 |
| 11 | 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 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 1.219, ISSN 1785-8860. | 10 |
| 12 | 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 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 2.093, ISSN 1841-9836. | 10 |
| 13 | Membru al Editorial Board al revistei Advances in Electrical and Computer Engineering, Universitatea "Ştefan cel Mare" din Suceava (din 2007), indexată în Clarivate Analytics Web of Science (cu denumirea anterioară ISI Web of Knowledge), factor de impact conform 2019 Journal Citation Reports (JCR) publicat de Clarivate Analytics în 2020 = 1.102, ISSN 1582-7445. | 10 |
| 14 | Copreşedinte al comitetului internaţional de program la IEEE 12th International Symposium on Applied Computational Intelligence and Informatics SACI 2018 (Timişoara). | 10 |
| 15 | Vicepreşedinte al comitetelui internaţional de program la 22nd International Conferences on System Theory, Control and Computing ICSTCC 2018 (Sinaia). | 10 |
| 16 | Vicepreşedinte al comitetelui internaţional de program la 21st International Conferences on System Theory, Control and Computing ICSTCC 2017 (Sinaia). | 10 |
| 17 | Copreşedinte al comitetului de program la 11th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2016 (Timişoara). | 10 |
| 18 | Membru în comitetul internaţional de program la 20th International Conference on System Theory, Control and Computing ICSTCC 2016 (Sinaia). | 10 |
| 19 | Copreşedinte al comitetului de program la 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2015 (Timişoara). | 10 |
| 20 | Membru în comitetul internaţional de program la 19th International Conference on System Theory, Control and Computing Joint Conference ICSTCC 2015 (Cheile Gradistei). | 10 |
| 21 | Copreşedinte al comitetului de program la 9th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2014 (Timişoara). | 10 |
| 22 | Membru în comitetul internaţional de program la 2014 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2014 (Cluj-Napoca). | 10 |
| 23 | Copreşedinte al comitetului de program la 8th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2013 (Timişoara). | 10 |
| 24 | Membru în comitetul internaţional de program la 2013 IEEE International Conference on Systems, Man, and Cybernetics SMC 2013 (Manchester, Anglia). | 10 |
| 25 | Membru în comitetul internaţional de program la 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications CIVEMSA 2013 (Milan, Italia). | 10 |
| 26 | Publication Chair la 4th International Conference on Swarm Intelligence ICSI'2013 (Harbin, China). | 10 |
| 27 | Membru în comitetul internaţional de program la 17th International Conference on System Theory, Control and Computing ICSTCC 2013 (Sinaia). | 10 |

| | | |
|---|---|---|
| 28 | Publication Chair la 3rd International Conference on Swarm Intelligence ICSI'2012 (Shenzhen, China). | 10 |
| 29 | Membru în comitetul internaţional de program la 6th International Symposium on Intelligent Distributed Computing IDC 2012 (Calabria, Italia). | 10 |
| 30 | Membru în comitetul internaţional de program la 4th IEEE International Symposium on Logistics and Industrial Informatics LINDI 2012 (Smolenice, Slovacia). | 10 |
| 31 | Membru în comitetul internaţional de program la 5th International Symposium on Intelligent Distributed Computing IDC 2011 (Delft, Olanda). | 10 |
| 32 | Membru în comitetul internaţional de program la 2012 IEEE International Instrumentation and Measurement Technology Conference I2MTC 2012 (Graz, Austria). | 10 |
| 33 | Membru în comitetul internaţional de program la 2011 IEEE International Conference on Systems, Man, and Cybernetics SMC 2011 (Anchorage, AK, SUA). | 10 |
| 34 | Membru în comitetul internaţional de program la 2011 IEEE International Instrumentation and Measurement Technology Conference I2MTC 2011 (Binjiang, Hangzhou, China). | 10 |
| 35 | Membru în comitetul internaţional de program la 2011 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications CIMSA 2011 (Ottawa, ON, Canada). | 10 |
| 36 | Membru în comitetul internaţional de program la 2011 IEEE Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems VECIMS 2011 (Ottawa, ON, Canada). | 10 |
| 37 | Membru în comitetul internaţional de program la 16th IEEE International Conference on Emerging Technologies and Factory Automation ETFA 2011 (Toulouse, France). | 10 |
| 38 | Publication Chair la 2nd International Conference on Swarm Intelligence ICSI'2011 (Chongqing, China). | 10 |
| 39 | Membru în comitetul internaţional de program la 2010 IEEE International Instrumentation & Measurement Technology Conference I2MTC 2010 (Austin, TX, SUA). | 10 |
| 40 | Membru în comitetul internaţional de program la 4th International Symposium on Intelligent Distributed Computing IDC'2010 (Tangier, Maroc). | 10 |
| 41 | Membru în comitetul internaţional de program la 2010 IEEE International Conference on Systems, Man, and Cybernetics SMC 2010 (Istanbul, Turcia). | 10 |
| 42 | Membru în comitetul internaţional de program la 15th Online World Conference on Soft Computing in Industrial Applications WSC15 (2010). | 10 |
| 43 | Membru în comitetul internaţional de program la 2009 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications CIMSA 2009 (Hong Kong, China). | 10 |
| 44 | Membru în comitetul internaţional de program la 2009 IEEE Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems VECIMS 2009 (Hong Kong, China). | 10 |
| 45 | Co-preşedinte al comitetului de program la 5th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2009 (Timişoara). | 10 |

| | | |
|---|---|---|
| 46 | Membru în comitetul internaţional de program la 5th IEEE International Conference on Mechatronics ICM 2009 (Málaga, Spania). | 10 |
| 47 | Membru în comitetul internaţional de program la 2nd International Symposium on Intelligent Interactive Multimedia Systems and Services KES-IIMSS-09 (Mogliano Veneto, Italia). | 10 |
| 48 | Membru în comitetul internaţional de program la 4th International Symposium on Computational Intelligence and Intelligent Informatics ISCIII 2009 (Egipt). | 10 |
| 49 | Membru în comitetul internaţional de program la IEEE International Workshop on Robotic and Sensors Environments ROSE 2009 (Lecco, Italia). | 10 |
| 50 | Membru în comitetul internaţional de program la 2009 Online World Conference on Soft Computing in Industrial Applications WSC14, 3rd International Workshop on Soft Computing Applications SOFA 2009 (Szeged, Ungaria, Arad, România). | 10 |
| 51 | Membru în comitetul internaţional de program la 2009 Online World Conference on Soft Computing in Industrial Applications WSC14. | 10 |
| 52 | Membru în comitetul internaţional de program la 2008 IEEE-TTTC International Conference on Automation, Quality & Testing, Robotics AQTR 2008 (THETA 16, Cluj-Napoca). | 10 |
| 53 | Membru în comitetul internaţional de program la 2008 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications CIMSA 2008 (Istanbul, Turcia). | 10 |
| 54 | Membru în comitetul internaţional de program la 2008 IEEE Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems VECIMS 2008 (Istanbul, Turcia). | 10 |
| 55 | Membru în comitetul internaţional de program la 2008 IEEE International Instrumentation & Measurement Technology Conference I2MTC 2008 (Victoria, BC, Canada). | 10 |
| 56 | Co-preşedinte al comitetului de program la 4th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2007 (Timişoara). | 10 |
| 57 | Membru în comitetul de organizare al IEEE International Workshop on Soft Computing Applications IEEE - SOFA 2005 (Szeged, Ungaria, Arad, România). | 10 |
| | TOTAL | 570 |

A 3.2 Membru în comitetele de redacție sau comitelele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI

| Nr. crt. | Activitatea | Punctaj |
|---|---|---|
| | | |
| 1 | Copreşedinte al comitetului internaţional de program la IEEE 14th International Symposium on Applied Computational Intelligence and Informatics SACI 2020 (Timişoara). | 6 |
| 2 | Copreşedinte al comitetului internaţional de program la IEEE 13th International Symposium on Applied Computational Intelligence and Informatics SACI 2019 (Timişoara). | 6 |
| 3 | Editor-in-Chief al revistei International Journal of Artificial Intelligence, CESER Publications, India (din 2008), ISSN 0974-0635, indexată în SCOPUS. | 6 |
| 4 | Editor-in-Chief al revistei International Journal of Imaging and Robotics, CESER Publications, India (din 2011), ISSN 2231-525X, indexată până în 2017 în SCOPUS. | 6 |
| 5 | Editor al revistei Paladyn. Journal of Behavioral Robotics, Versita, Poland, co-published first with Springer-Verlag and next with De Gruyter (din 2010), ISSN 2081-4836, indexată în DBLP, SCOPUS. | 6 |
| 6 | Editor al revistei International Journal of Tomography & Simulation, CESER Publications, India (din 2006), ISSN 2319-3336, indexată până în 2017 în SCOPUS. | 6 |
| 7 | Membru al Editorial Board al revistei International Journal of Advanced Intelligence Paradigms, Inderscience Publishers, Anglia (din 2009), ISSN 1755-0386, indexată în SCOPUS, INSPEC. | 6 |
| 8 | Membru al Editorial Advisory Board al revistei Mediterranean Journal of Measurement and Control, SoftMotor Ltd, Anglia (din 2009), ISSN 1743-9310, indexată până în 2016 în SCOPUS, INSPEC. | 6 |
| 9 | Editor al revistei International Journal of Soft Computing, Medwell Online, Pakistan (din 2007), ISSN 1816-9503, indexată până în 2016 în SCOPUS. | 6 |
| 10 | Membru al Editorial Board al revistei Journal of Electrical Engineering, Editura Politehnica, Timişoara (din 2012), ISSN 1582-4594, indexată până în 2017 în SCOPUS, INSPEC. | 6 |
| | TOTAL | 60 |

RAMURA DE ȘTIINȚĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR
STANDARDE MINIMALE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

**Conducator doctorat: Radu-Emil Precup**

**Centralizator Standarde minimale necesare si obligatorii**

A 3.4 Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu

| Nr. crt. | Premiul decernat | Punctaj |
|---|---|---|
| | | |
| 1 | Elsevier Scopus Award for Excellence in Global Contribution (2017). | 15 |
| 2 | Premiul Grigore Moisil al Academiei Române, 2014, acordat în 2016, pentru Contribuţii la optimizarea sistemelor fuzzy. | 15 |
| 3 | Premiul Spiru Haret al Marii Loji Naţionale din România, acordat în 2016 în parteneriat cu Academia Română, pentru Educaţie, mediu, IT. | 15 |
| 4 | Best Paper Award la 7th International Conference on Information Technology and Quantitative Management ITQM 2019 (Granada, Spania). | 15 |
| 5 | 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 (Vienna, Austria). | 15 |
| 6 | Best Paper Award la 16th Online World Conference on Soft Computing in Industrial Applications WSC16 (Loughborough University, UK, 2011). | 15 |
| 7 | Best Paper Award in the Area of Intelligent Control (două lucrări) la 2008 Conference on Human System Interaction HSI 2008, Krakow (Polonia). | 15 |
| 8 | Premiul Grigore Moisil al Academiei Române, 2003, acordat în 2005, pentru Contribuţii la dezvoltarea conducerii FUZZY a proceselor. | 15 |
| | TOTAL | 120 |