

LISTA DE LUCRĂRI

(în vederea susținerii tezei de abilitare - mai 2017)

POPESCU GHEORGHE DECEBAL

Lista de lucrări relevante pentru realizările profesionale proprii (10 lucrări)

1. **Decebal Popescu**, Nirvana Popescu, Ciprian Dobre, *E-Frameworks to Optimize Public Administration Services*, chapter 12 in Strategic and Pragmatic e-Business: Implications for Future Business Practices, IGI Global, UK, ISBN 978-1-4666-1619-6, pag. 267-296, 2012
2. Florin Pop, Ciprian Dobre, **Decebal Popescu**, Vlad Ciobanu, Valentin Cristea, Digital Certificate Management for Document Workflows in e-Government Services, IFIP WG 8.5 International Conference on Electronic Government (EGOV'10), 2010, pp. 363-374, ISBN: 3-642-14798-4, Springer-Verlag., Lausanne, WOS:000286404000031
3. Mircea Ivanescu, **Decebal Popescu**, Nirvana Popescu, A Decoupled Sliding Mode Control for a Continuum Arm, *Advanced Robotics Journal*, Volume 29, Issue 13, July 2015, pp 831-845, DOI: 10.1080/01691864.2015.1035323, WOS:000360223300001.
4. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, *A Spatial Weight Error Control for a Class of Hyper-Redundant Robots*, *IEEE Transactions on Robotics*, 2013, Volume 29, Issue 4, pag. 1043-1050, DOI 10.1109/TRO.2013.2252861, WOS:000322836600018 [indexare ISI, IF=2,53]
5. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, Dorin Popescu, Cristian Vladu, Ileana Vladu, *Force Observer-Based Control for a Rehabilitation Hand Exoskeleton System*, *Asian Control Conference (ASCC2013)*, pag. 1-6, Istanbul, Turcia, 2013, BDI: IEEE Xplore.
6. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, Mihaela Florescu, *Control Algorithm for a Hyper-redundant Robot Class*, *International Symposium on Robotics (ISR 2012)*, Taipei, 2012, pp. 804-809 (Conferinta clasa A – clasificare ERA)
7. Nirvana Popescu, **Decebal Popescu**, Mircea Ivănescu, *A Boundary Control for a Class of Systems Described by Hyperbolic Partial Differential Equations with Nonlinear Components*, *International Journal of Engineering and Innovative Technology*, Volume 3, Issue 5, Noiembrie 2013, pag. 410-415, ISSN 2277-3754. [IF 2013=1,89, IF 2014=2,137] http://ijeit.com/Vol%203/Issue%205/IJEIT1412201311_68.pdf
8. Mircea Ivanescu, Nicu Bizdoaca, Mihaela Florescu, Nirvana Popescu, **Decebal Popescu**, *Frequency Criteria for the Grasping Control of a Hyper-redundant Robot*, *IEEE*

International Conference on Robotics and Automation (ICRA 2010), pp. 1542-1549, 3 – 8 mai 2010, Anchorage, Alaska, U.S.A. WOS:000284150002132 [indexata ISI]

9. Mircea Ivanescu, Nirvana Popescu, **Decebal Popescu**, A Variable Length Tentacle Manipulator Control System, Proceedings of the 2005 IEEE International Conference on Robotics and Automation, pag 3285-3290, Barcelona, Spania, aprilie 2005. WOS:000235460102145 [indexată ISI]
10. **Decebal Popescu**, Jianwei Zhang, Fuzzy Expert System Based on Symmetry Features for Range Estimation, 6th International Conference on Climbing and Walking Robots, pag. 991-998, Italia, septembrie 2003. WOS:000186071100119

I. TEZA DE DOCTORAT (T)

T1. **Popescu Gheorghe Decebal**, *Arhitecturi fuzzy pentru implementarea sistemelor expert* (Fuzzy Architectures for Expert Systems Implementation), teză susținută public în data de 14 februarie 2003.

Calificativ și Distincție: FOARTE BINE, *CUM LAUDAE*.

II. CĂRȚI PUBLICATE (C)

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute, Cb – Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor), Cc – Cărți publicate în alte edituri, cu ISBN.

Ca1. **Decebal Popescu**, Vlad Ciobanu, Iacob Petrescu, Adrian Petrescu, 2014, *Circuite integrate pe scară foarte largă*, Ed. Politehnica Press (editura recunoscuta CNCS-cod 19), București, ISBN 978-606-515-583-1, 206 pagini.

Cb1. Mircea Ivănescu, **Decebal Popescu**, 2014, *Arhitecturi avansate pentru conducerea roboților*, Ed. Politehnica Press, ISBN 978-606-515-568-8, 545 pagini (editura recunoscuta CNCS - cod 19)

Cb2. **Decebal Popescu**, 2008, *Verilog HDL prin exemple*, Politehnica Press, ISBN 978-973-7838-63-6, 2008, 187 pagini (editura recunoscuta CNCS, cod 19)

Cb3. **Decebal Popescu**, Nirvana Popescu, *Proiectarea aplicațiilor Internet utilizând HTML, JavaScript și Perl*, Cartea universitară, București, ISBN 973-7956-07-6, 2004, 128 pagini. (editură recunoscută CNCS-cod 113)

III. ALTE MATERIALE PUBLICATE (I, D)

I - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografiile locale/de instituții sau de uz intern);
D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

I1. Adrian Petrescu, **Decebal Popescu**, Nirvana Popescu, Cornel Popescu, *Calculatoare Numerice – Îndrumar de laborator*, Printech, București, ISBN 973-652-845-6, 2003 (editură recunoscută CNCSIS)

D1. **Decebal Popescu**, Nirvana Popescu, Ciprian Dobre, *E-Frameworks to Optimize Public Administration Services*, chapter 12 in Strategic and Pragmatic e-Business: Implications for Future Business Practices, IGI Global, UK, ISBN 978-1-4666-1619-6, pag. 267-296, 2012.

D2. Ionut-Mihai Posea, Marius Ion, Florin Pop, **Decebal Popescu**, Nirvana Popescu, *e Vote: A Cloud-based Electronic Voting System for Large Scale Election in Cloud Computing Technologies for Connected Government*, Editor Zaigham Mahmood, IGI Global, UK, ISBN 978-1-4666-8629-8, pag. 187-213, 2015.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R, V)

Ris – Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta).

Rio – Alte reviste de specialitate de circulație internațională.

Rns – Reviste de specialitate de circulație națională recunoscute de CNCIS.

Rno – Alte reviste de specialitate de circulație națională.

Vis – Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate, indexate ISI Thomson Reuters sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a publicatiilor pe baza unor criterii de performanta.

Vi – Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate;

Vn – Volumele unor manifestări științifice naționale.

Ris1. Mircea Ivanescu, **Decebal Popescu**, Nirvana Popescu, A Decoupled Sliding Mode Control for a Continuum Arm, *Advanced Robotics Journal*, Volume 29, Issue 13, July 2015, pp 831-845, DOI: 10.1080/01691864.2015.1035323, WOS:000360223300001.

Ris2. Mircea Ivanescu, Nirvana Popescu, **Decebal Popescu**, The Shape Control of a Tentacle Arm, *Robotica Cambridge Journal*, Volume 33, Issue 03, March 2015, pp 684-703, DOI: <http://dx.doi.org/10.1017/S0263574714000885>, WOS:000348494400014.

Ris3. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, *A Spatial Weight Error Control for a Class of Hyper-Redundant Robots*, *IEEE Transactions on Robotics*, 2013, Volume 29, Issue 4, pag. 1043-1050, DOI 10.1109/TRO.2013.2252861, WOS:000322836600018 [indexare ISI, IF=2,53]

Ris4. Nirvana Popescu, **Decebal Popescu**, Mircea Ivănescu, *A Boundary Control for a Class of Systems Described by Hyperbolic Partial Differential Equations with Nonlinear Components*, *International Journal of Engineering and Innovative Technology*, Volume 3, Issue 5, Noiembrie 2013, pag. 410-415, ISSN 2277-3754. [IF=1,89] http://ijeit.com/Vol%203/Issue%205/IJEIT1412201311_68.pdf

Ris5. M. Ivanescu, D. Cojocaru, N. Bizdoaca, M. Florescu, N. Popescu, **D. Popescu**, S. Dumitru, *A Boundary Sensor Control for a Hyper-redundant Arm*, *Studies in Informatics and Control*, vol.19, nr. 4, pag. 391-396, decembrie 2010. WOS:000286364800006 [indexata ISI, IF =0,67]

Ris6. M. Ivanescu, D. Cojocaru, N. Bizdoaca, M. Florescu, N. Popescu, **D. Popescu**, S. Dumitru, *Boundary Control by Boundary Observer for Hyper-redundant Robots*, *International Journal of Computers, Communications and Control*, ISSN 1841-9836, E-ISSN 1841-9844, Vol. V , No. 5, pag. 751-762, 2010. WOS:000283908700017 [indexata ISI, IF-0,65]

- Ris7. Nirvana Popescu, **Decebal Popescu**, M. Poboroniuc, *The FPGA Implementation of a Neurostimulator*, vol.19, nr. 1, Studies in Informatics and Control, vol. 19, fasc. 1, pag. 85-92, martie 2010. WOS:000276058500009 [indexata ISI, IF=0,67]
- Ris8. M. Ivanescu, Nirvana Popescu, **Decebal Popescu**, M. Florescu, *The Control of the Hyper-redundant Manipulators by Frequency Criteria*, Studies in Informatics and Control, vol.18, nr. 3, pag. 279-288, septembrie 2009. WOS:000270244500010 [indexata ISI]
- Ris9. Mircea Ivanescu, Mihaela Florescu, Nirvana Popescu, **Decebal Popescu**, *Stability Control of a Hyperredundant Arm for a Grasping Operation*, Journal of Vibroengineering, ISSN 1392-8716, vol.11, nr.1, pag. 83 – 91, 2009. WOS:000265143400011 [indexata ISI, IF=0,35]
- Ris10 M. Ivanescu, Nirvana Popescu, **Decebal Popescu**, M. Florescu, *A Compliance Control of a Hyperredundant Robot*, Studies in Informatics and Control, vol.17, nr. 2, pag. 189 – 200, iunie 2008. WOS:000269029200007 [indexata ISI]
- Ris11. M. Ivănescu, Nirvana Popescu, **Decebal Popescu**, M. Florescu, *A Distributed Control for a Grasping Function of a Hyperredundant Arm*, Jurnal of Vibroengineering, vol. 9, nr. 4, ISSN 1392-8716, pag.9-13, octombrie/decembrie 2007. WOS:000255783300002 [indexata ISI, IF=0,35]
- Ris12. Mircea Ivanescu, Nirvana Popescu, **Decebal Popescu**, *The Shape Control of a Tentacle Arm*, Robotica Cambridge Journal, 2014, acceptată pentru publicare. [IF=0,88]
- Rio1. **Decebal Popescu**, Jianwei Zhang, *A Fuzzy Expert System for Range Estimation*, Studies in Informatics and Control, [inclusă în baze de date recunoscute **INSPEC, DOAJ, IS, IET**], vol.12, nr. 2, pag 101-109, iunie 2003.
- Rns1. **Decebal Popescu**, *Studii privind implemenatrea sistemelor Voice Over IP și e-conference. Real-time VOICE and VIDEO over IP pentru dispozitivele embedded*, Controlul și integrarea tehnologică a materialelor și structurilor inteligente – CITMSI, Seria Mecatronica, vol. 1 (lucrări elaborate pe baza activității de cercetare științifică a contractului CEEX 59/11.09.2006), ISBN 978-973-742-868-4, pag. 251-340, Editura Universitaria Craiova, 2007.
- Rns2. **Decebal Popescu**, *Voice Over IP*, Controlul și integrarea tehnologică a materialelor și structurilor inteligente – CITMSI, Seria Mecatronica, vol. 2 (lucrări elaborate pe baza activității de cercetare științifică a contractului CEEX 59/11.09.2006), ISBN 978-973-742-867-7, pag. 420-525, Editura Universitaria Craiova, 2007
- Vis1. Nirvana Popescu, Vlad Ciobanu, Adrian Ghidel, Flavius Dinu, **Decebal Popescu**, “Predefined Recovery Exercises System for After Stroke Hand Rehabilitation”, EPE2016: International Conference and Exposition on Electrical and Power Engineering, International Workshop on Advances in Rehabilitation Engineering Applications, Iasi, Romania, Oct. 2016, pp.61-67. WOS:000390706300067
- Vis2. Mihai Bărbulescu, Andrei Mușat, **Decebal Popescu**, 3D Printed Robotic Glove Useful for Recovery of People Affected by Stoke, The 20th International Conference on Control Systems and Computer Science, Bucharest, pp. 833 – 837, 2015. WOS:000380375200121

- Vis3. Mihaela Mărăcine, Alexandra Radu, **Decebal Popescu**, „BCI Data Classification for Hand Rehabilitation”, The 20th International Conference on Control Systems and Computer Science, Bucharest, ISBN 978-1-4799-1779-2, pp. 845 – 849, 2015. WOS:000380375200123
- Vis4. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, Mircea Nițulescu, „The Curvature Control of a Hyper-redundant Robot”, International Symposium on Robotics (ISR 2014), pg. 251-257, Munich, Germany, 2014, (Conferinta clasa A – clasificare ERA)
- Vis5. Vlad Ciobanu, **Decebal Popescu**, Adrian Petrescu, „Point of Contact Location and Normal Force Estimation Using Biomimetical Tactile Sensors”, International Conference on Complex, Intelligent and Software Intensive Systems, pp. 373-378, Birmingham, UK, July 2014, BDI: IEEEExplore
- Vis6. **Decebal Popescu**, Nirvana Popescu, Mircea Ivanescu, Dorin Popescu, A Variable Structure Controller for a Class of Hyper-redundant Arms, 11th International Conference on Informatics in Control, Automation and Robotics - ICINCO2014, Vienna, Austria, Volume 1, pg. 121-126, 2014, BDI: IET Inspec.
- Vis7. Nirvana Popescu, **Decebal Popescu**, Alexandru Cozma, Alexandru Jan Vaduva, *Hardware Design and Implementation of an Intelligent Haptic Robotic Glove*, Proc. of the 8th International Conference and Exposition on Electrical and Power Engineering, EPE2014, IASI Romania, ISSN: 978-1-4799-5848-1, 2014, BDI: IEEEExplore
- Vis8. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, Dorin Popescu, Cristian Vladu, Ileana Vladu, *Force Observer-Based Control for a Rehabilitation Hand Exoskeleton System*, Asian Control Conference (ASCC2013), pag. 1-6, Istanbul, Turcia, 2013, BDI: IEEE Xplore, ISI (WOS:000333734900088).
- Vis9. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, *A Hybrid Control System for a Tentacle Arm*, 10th International Conference on Informatics in Control, Automation and Robotics - ICINCO2013, Reykjavik, Islanda, Volume 1, pag. 50-57, 2013, BDI: IEEE Xplore.
- Vis10. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, Dorin Popescu, Cristian Vladu, Cosmin Berceanu, Marian Poboroniuc, *Exoskeleton Design of an Intelligent Haptic Robotic Glove*, 19th International Conference on Control Systems and Computer Science, vol. 1, pag. 196-201, București, 2013, ISI Proceedings (WOS:000328493800030)
- Vis11. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, *An Weighted Error Controller for a Class of Distributed Parameter Systems*, Asian Control Conference (ASCC2013), pag. 1-6 Istanbul, Turcia, 2013, BDI: IEEE Xplore, ISI.(WOS:000333734900126)
- Vis12. V. Ciobanu, **Decebal Popescu**, C. Dobre, F. Pop, V. Cristea, The EU-services directive: An E-framework to optimize public administration, Third International Conference on Emerging Intelligent Data and Web Technologies (EIDWT), 2012, pp. 336 - 341, București. BDI: IEEEExplore.
- Vis13. Florin Pop, Ciprian Dobre, **Decebal Popescu**, Vlad Ciobanu, Valentin Cristea, Digital Certificate Management for Document Workflows in e-Government Services, IFIP WG 8.5 International Conference on Electronic Government (EGOV'10), 2010, pp. 363-374, ISBN: 3-642-14798-4, Springer-Verlag., Lausanne, WOS:000286404000031

- Vis14. Năstase Pavel, **Popescu Decebal**, Management Information Systems for the Evaluation of Quality Assurance in Romanian Higher Education, 6th International Seminar on the Quality Management in Higher Education, Vol. 2, pp. 563-566, Romania, 2010, WOS:000288291700141
- Vis15. A. Marin, C.Dobre, **Decebal Popescu**, V. Cristea, E-Systems for Automatic Data Migration, the 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2010, pp. 479 - 484, Romania, BDI: INSPEC, IEEEXplore.
- Vis16. Mircea Ivanescu, Nicu Bizdoaca, Mihaela Florescu, Nirvana Popescu, **Decebal Popescu**, *Frequency Criteria for the Grasping Control of a Hyper-redundant Robot*, IEEE International Conference on Robotics and Automation (ICRA 2010), pag. 1542-1549, 3 – 8 mai 2010, Anchorage, Alaska, U.S.A. WOS:000284150002132 [indexata ISI]
- Vis17. Mircea Ivanescu, Mihaela Florescu, Nirvana Popescu, **Decebal Popescu**, *Position and force control of the grasping function for a hyperredundant arm*, IEEE International Conference on Robotics and Automation (ICRA 2008), pag. 2599-2604, Pasadena, 2008, WOS:000258095001214 [indexata ISI]
- Vis18. Mircea Ivănescu, Nirvana Popescu, **Decebal Popescu**, Mihaela Florescu, *Coil function problem for a hyperredundant robot*, Proceedings of IEEE/ASME International Conference On Advanced Intelligent Mechatronics, Vols 1-3, pag. 518-523, 2007, Zurich. WOS:000255992100089 [indexata ISI]
- Vis19. Mircea Ivanescu, Nirvana Popescu, **Decebal Popescu**, *A Variable Length Tentacle Manipulator Control System*, Proceedings of the 2005 IEEE International Conference on Robotics and Automation, pag. 3285-3290, Barcelona, Spania, aprilie 2005. WOS:000235460102145 [indexata ISI]
- Vis20. Mircea Ivănescu, Nirvana Popescu, **Decebal Popescu**, *A Variable Length Hyperredundant Arm Control System*, Proceedings of the 2005 IEEE International Conference on Mechatronics and Automation, pag. 1998-2003, Niagara Falls, Canada, iulie 2005. WOS:000238860803058 [indexata ISI]
- Vis21. Nirvana Popescu, **Decebal Popescu**, Mircea Ivanescu, Mihaela Florescu, *Control Algorithm for a Hyper-redundant Robot Class*, International Symposium on Robotics (ISR 2012), Taipei, 2012, pp. 804-809 (Conferinta clasa A – clasificare ERA)
- Vis22. Mircea Ivanescu, Mihaela Florescu, Nirvana Popescu, **Decebal Popescu**, *On the Control of a Hyper-redundant Arm*, International Symposium on Robotics & German Conference on Robotics (ISR / Robotik 2010), pp. 121-126, Munchen, Germania, 7 – 9 iunie 2010 (Conferinta clasa A - clasificare ERA)
- Vis23. M. Ivanescu, Nirvana Popescu, **Decebal Popescu**, M. Florescu, *A Distributed Force and Position Control for a Tentacle Manipulator*, the 17th IFAC World Congress, Seoul, Coreea, ISBN 978-1-1234-7890-2, pp. 15642-15647, 6-11 iulie 2008. (Elsevier)
- Vis24. M.Ivănescu, Nirvana Popescu, **Decebal Popescu**, R.T. Tanasie, *3D Visual Servoing for a Tentacle Manipulator*, The 6th Asian Control Conference (ASCC 2006), ISBN 979-15017-0, pag. 886-893, 18-21 iulie, Bali, Indonesia, 2006. BDI: INSPEC
- Vis25. Mircea Ivănescu, Dorian Cojocaru, Nirvana Popescu, **Decebal Popescu**, Răzvan Tudor Tănasie, *Visual Based Control System for a Tentacle Manipulator*, Studies in Informatics and Control, vol.15, nr. 1, pag. 93 – 102, 2006, BDI: INSPEC, DOAJ, IS, IET.

Vis26. Mircea Ivanescu, Mihaela Florescu, Nirvana Popescu, **Decebal Popescu**, *On the Stability of the Grasping Function with ER Fluids*, The 16th International Congress on Sound and Vibration (ICSV 16), Krakow, Poland, 5 – 9 iulie 2009, ISBN 978-83-60716-72-4, pp. 1 – 8, BDI: IET

Vis27. Viorel Stoian, Bazdoaca Nicu, Nirvana Popescu, **Decebal Popescu**, *Non Conventional Controller for Electroheological Fluid Actuated Walking Robot*, The 5th International Conference on Climbing and Walking Robots, pag. 203 – 210, Paris, 25 – 27 septembrie 2002. BDI: INSPEC

Vis28. Mircea Ivanescu, Nicu Bazdoaca, Nirvana Popescu, **Decebal Popescu**, *Hierarchical Control of a Smart Material Hyperredundant Cooperative Robots*, International Symposium on Robotics, pag. 1065 – 1070, Corea, aprilie 2001.(Conferinta clasa A - clasificare ERA).

Vis29. Dorian Cojocaru, Bazdoaca Nicu, Nirvana Popescu, **Decebal Popescu**, *An Intelligent Fuzzy Controller for Cooperative Tasks of Tentacle Robots*, The 4th Asian Conference on Robotics and its Applications, pag. 318-323, Singapore, iunie 2001. BDI: IEEE Xplore

Vis30. M. Ivanescu, Nirvana Popescu, **Decebal Popescu**, *Moving Target Interception for a Walking Robot by Fuzzy Observer and Fuzzy Controller*, The 4th International Conference on Climbing and Walking Robots, pag. 363 – 376, Germania, Karlsruhe, septembrie 2001, BDI: INSPEC

Vis31. Viorel Stoian, Nicu Bazdoaca, Nirvana Popescu, **Decebal Popescu**, *A Robust Fuzzy Controller for a Class of Multiple Hyperredundant Cooperative Robots – Mechatronics Conference (ICRAM)*, Istanbul, Turcia, pag. 330-337, 22-26 mai 1999; BDI: IET

Vis32. Viorel Stoian, Nicu Bazdoaca, Nirvana Popescu, **Decebal Popescu**, *A Class of Fuzzy Controllers for Snake-type Cooperative Robots*, Dycons'99 –International Control of Dynamic and Control System, Montreal, Canada, pag. 206-212, 5-7 august 1999, BDI: IET

Vis33. Viorel Stoian, Nicu Bazdoaca, Nirvana Popescu, **Decebal Popescu**, *Robust Control System for Tentacle Robots in Cooperative Tasks – 7th European Congress on Intelligent Tehniques & Soft Computing (EUFIT)*, pag. 155-160, Aachen, Germania, 13-16 septembrie 1999, BDI: IET

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Vi1. Nirvana Popescu, **Decebal Popescu**, Vlad Ciobanu and Florin Pop, *Electronic service for distributed interaction in e-government environments*, FUBUTEC 2011, Future Business Technology, April 18-20, 2011, pp. 54-59, British Institute of Technology and Ecommerce, London, UK, ISBN: 978-90-77381-61-8.

Vi2. Ivanescu, M., Florescu, M., Popescu, N., **Popescu, D.**, *Control System of the Coil Function for a Hyperredundant Robot*, The 4th International Federation of Automation Control Conference on Management and Control of Production and Logistics (IFAC MCPL 2007), September 27-30, 2007, Sibiu, Romania, pp.97-102

- Vi3.M. Ivănescu, M. Florescu, Nirvana Popescu, **Decebal Popescu**, *Grasping Control of a Tentacle Arm*, Proc. of the European Control Conference 2009 ISBN 978-963-311-369-1, Budapesta, pag. 3076 – 3081, august 2009
- Vi4. **Decebal Popescu**, Ciprian Dobre, Florin Pop, Nirvana Popescu, *Valentin Cristea, Security Communication Layer for Public Distributed Reporting Services*, 3rd Congress Secure Identity, 5th April 2011, Berlin.
- Vi5. Nirvana Popescu, **Decebal Popescu**, Cornel Popescu, Gabriel Verzea, *Virtual Courses & Lab Portal*, Proceedings of SINTES 13, vol 2, pag. 127-132, Craiova, 2007.
- Vi6. Eugen Cojoacă, Floarea Năstase, **Decebal Popescu**, *Development of Database Operability for SMEs*, Proceedings of the IE2014 International Conference, Bucharest, pp. 238- 243, 2014.
- Vi7. **Decebal Popescu**, Cristian Pop, Ioana Bratie, Omar Choudary, Mircea Gheorghe, *Forest Embedded Watcher – An Embedded System for the Protection of Forests*, 16th International Conference on Control Systems and Computer Science, ISBN 978-973-718-743-7, vol. 2, pag. 73-78, București, mai 2007.
- Vi8. **Decebal Popescu**, Vlad Ion, Sorin Toma, *AMD 2900 Processor Simulator*, Workshop on Information Systems and Operations Mangement [recunoscuta CNCSIS], ISBN 973-7643-75-5, pag. 358-367, Bucuresti, martie 2006.
- Vi9. **Decebal Popescu**, *Fuzzy Expert System for Range Estimation*, 14th International Conference on Control Systems and Computer Science, vol. 2, pag. 222-226, București, iulie 2003.
- Vi10. **Decebal Popescu**, Jianwei Zhang, *Hardware Implementation of an Improved Algorithm for Symmetry Feature Point Extraction*, the 6th International FLINS Conference on Computational Intelligent Systems for Applied Research, Gent, Belgia, septembrie 2004
- Vi11. Dorian Cojocaru, Nirvana Popescu, **Decebal Popescu**, Răzvan Tudor Tănăsie, *Visual Servoing for a Hyperredundant Robot*, Proceedings of the 5th WSEAS Int. Conf. on Signal Processing, Robotics and Automation, ISBN 960-8457-41-6, pag.113-118, Madrid, Spania, feb 2006.
- Vi12. Adrian Petrescu, Cornel Popescu, Nirvana Popescu, **Decebal Popescu**, Nicolae George , *WAP Phone Book*, The Fifth International Symposium on Economic Informatics, pag. 408-412, ISBN 973-99450-4-X, Bucuresti, 10-13 mai 2001
- Vi13. Adrian Petrescu, Nirvana Popescu, **Decebal Popescu**, *Fuzzy Methods for the Identification of Periodical Electrical Signals – 12th International Conference on Control Systems and Computer Science*, Bucuresti, vol. I, pag. 374-380, 26-29 mai 1999.
- Vn1. Adrian Petrescu, Nirvana Popescu, **Decebal Popescu**, *Fuzzy Expert Systems for Electroencephalogram Analyses – Conferința Națională pentru Informatică Medicală (MEDINF98)*, Arad, pag. 259-265, octombrie 1998 – *lucrarea a obținut premiul MEDINF98*.
- Vn2. Nirvana Popescu, **Decebal Popescu**, Ana Maria Bejan, *Intelligent system for road traffic management based on wheather analysis*, Buletinul Institutului Politehnic Iași, Tomul LIV, fasc.3, pag. 17-22, 2008.

Mai 2017

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