Universitatea de Petrol si Gaze din Ploiesti

Candidat : Prof.univ.dr.ing. Valentina Emilia Balas

Indeplineste conditiile minimale pentru sustinerea TEZEI DE ABILITARE

In domeniul Calculatoare, Tehnologia Informatiei si Ingineria Sistemelor

Conform Ordinului MENCS 6129/20.12.2016, publicat in M.O. Partea I, nr. 123/15.02.2017 – ANEXA nr. 15.

Fişa de verificare a îndeplinirii standardelor minimale

Prof.dr.ing. Valentina Emilia Bălaş

Universitatea „Aurel Vlaicu" Arad

Facultatea de Inginerie

Observatie : Toate criteriile indeplinite

Indicatorul	Denumirea indicatorului	Punctajul	Elementul pentru care se acordă punctajul
A1.1.1	Carti/ Monografii si capitole de	**16,66**	1. Rejeeb Dey, Goshaidas Ray, **Valentina Emilia Balas**,

carti de specialitate in edituri recunoscute Internationale	**6,25**		Stability and Stabilization of Linear and Fuzzy Time-Delay Systems, A Linear Matrix Inequality Approach, Springer, 2018, ISBN 978-3-319-70147-9, 308 pag. http://www.springer.com/gp/book/9783319701479 **2.** Marius M. Bălaş, **Valentina E. Bălaş** – *Postmodernism and Control Engineering,* Rudolf Seising (editor): Views on Fuzzy Sets and Systems from Different Perspective. Philosophy, Logic; Criticism and Applications**, Vol. 243, ISBN 978-3-540-93801-9,** Cap 18, pag. 377-390, **2009, DPLB (Computer Science Bibliograpy) indexed,** http://www.springerlink.com/content/n2jvt13463n5pj37/
	6,25		**3.** Marius M. Bălaş, **Valentina E. Bălaş** – *The Fuzzy Interpolative Control for Passive Greenhouses,* H.-N. Teodorescu, J. Watada, and L.C. Jain (Eds.): Intelligent Systems and Technologies, SCI 217, **Vol. 217, ISBN978-3-642-01884-8,** pag. 219–231, **2009, Springer, DPLB (Computer Science Bibliograpy) indexed,** http://www.springer.com/engineering/book/978-3-642-01884-8 .
	6,25		**4.** Nicolae Popescu-Bodorin, **Valentina E. Bălaş**, *Learning Iris Biometric Digital Identities for Secure Authentication. A Neural-Evolutionary Perspective Pioneering Intelligent Iris Identification*, **Springer,** Title of the book: Recent Advances in Intelligent Engineering Systems, Volume 378, Editor(s): J. Fodor, R. Klempous and C.P. Suárez Araujo, pag.. 405-430. **Springer Verlag**, **2011**, SBN 978-3-642-23229-9, http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-23228-2
	4,16		**5.** **Valentina E. Bălaş**, Iulia Moţoc, Alina Barbulescu, *Combined Haar-Hilbert and Log-Gabor Based Iris Encoders*, Title of the book: New concepts and applications in Soft Computing, Volume, Studies in Computational Intelligence, Vol. 417, Balas, V. E.; Fodor, J; Varkonyi-Koczy, A. (Eds.), **2012**, XII, ISBN 978-3-642-28958-3, pag. 1-26, **Springer**. http://link.springer.com/book/10.1007/978-3-642-28959-0/page/1
	6,26		**6.** **Valentina E. Bălaş**, Marius M. Bălaş, *Fuzzy Systems towards Field Applications,*Rudolf Seising, Enric Trillas, Claudio Moraga, and Settimo Termini (eds.), *On Fuzziness. A Homage to Lotfi A. Zadeh*, Springer Verlag, Berlin, New York, **2013**, Volume 216, Chapter 25, pag. 189-195, http://link.springer.com/book/10.1007/978-3-642-35641-4/page/1 , http://link.springer.com/chapter/10.1007/978-3-642-35641-4_3#page-1
	6,26		**7.** Ahmad Taher Azar and **Valentina E. Bălaş**, *Classification and Detection of Diabetic Retinopathy*, Advances in Intelligent analysis of Medical Data and Decision Support Systems, Studies in Computational Intelligence, **Springer,** Volume 473, **2013**, Roumen Kountchev and Barna Iantovics, (Eds.), ISBN: 978-3-319-00028-2 (Print) 978-3-319-00029-9 (Online), pp.135-145**,** From 2nd International Workshop on Next Generation Medical Decision Support Systems 2012 MedDecSup'2012, Sofia, Bulgaria,

			10-11 July.
		4,16	**8.** Ahmed T. Azar, **Valentina E. Bălaş**, Teodora Olariu, *Classification of EEG-Based Brain-Computer Interfaces*, **Springer**, Advanced Intelligent Computational Technologies and Decision Support Systems, Barna Iantovics, Roumen Kountchev (Eds.) in Studies in Computational Intelligence, ISBN: 978-3-319-00466-2 (Print) 978-3-319-00467-9, Volume 486, **2014**, pag. 97-106.
		4,16	**9.** Mousumi Kumar, **Valentina E. Balas**, Bijay Baran Pal, *Using Fuzzy Goal Programming with Penalty Functions for Solving EEPGD Problem via Genetic Algorithm*, IGI Global, Handbook of Research on Natural Computing for Optimization ProblemsChapter 34, pag. 847-869, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch034
		4,16	**10.** Debjani Chakraborti, **Valentina E. Balas**, Bijay Baran Pal, *Genetic Algorithm for FGP Model of a Multiobjective Bilevel Programming Problem in Uncertain Environment*, IGI Global, Handbook of Research on Natural Computing for Optimization ProblemsChapter 35, pag. 870-888, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch035
		2,08	**11.** Jagatheesan Kaliannan, Anand B, Nguyen Gia Nhu, Nilanjan Dey, Amira S. Ashour and **Valentina E. Balas**, *Automatic Generation Control of Hydro-Hydro Interconnected Power System Based on Ant Colony Optimization*, Recent Developments in Intelligent Nature-Inspired Computing, Editior Srikanta Patnaik, IGI Global, pag 153-170, 2017, http://www.igi-global.com/book/recent-developments-intelligent-nature-inspired/173681
		-	**12.** **Valentina E. Bălaş**, Janos Fodor, Annamaria Várkonyi-Kóczy, Jozsef Dombi, Lakhmi C. Jain (**editori**) la Soft Computing Applications, *Proceedings of the 5th International Workshop Soft Computing Applications* (SOFA 2012), Advances in Intelligent Systems and Computing, **Springer**, **2013**,Vol. 195, ISBN 978-3-642-33941-7, 726 pag. **ISI Proceedings.**
		-	**13.** **Valentina E. Bălaş**, Annamaria Varkonyi-Koczy, Janos Fodor (**editori**) la " *New Concepts and Applications in Soft Computing,* Studies in Computational Intelligence, Berlin: **Springer, 2012**, Vol 417, ISBN 978-3-642-28958-3, 278 pag. http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-28958-3
			14. **Valentina E. Bălaş**, Annamaria Varkonyi-Koczy, Janos Fodor (**editori**) la *"Soft Computing Based Modeling in Intelligent Systems",*

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			-	**15.** Jain, L.C.; Sato-Ilic, M.; Virvou, M.; Tsihrintzis, G.A.; **Valentina E. Bălaş,** Abeynayake, C., (**editori**), la *Computational Intelligence Paradigms, Innovative Applications,* Studies in Computational Intelligence**, Springer, 2008,** Vol. 137, VIII, ISBN: 978-3-540-79473-8, 282 pag.
			-	**16. Valentina E. Bălaş**, Lakhmi C. Jain, Branco Kovacevic (**editori**) la Soft Computing Applications, *Proceedings of the 6th International Workshop Soft Computing Applications* (SOFA 2014), Advances in Intelligent Systems and Computing, **Springer**, **2016**, Volume 356 and 357, Vol. 1 si Vol. 2, ISSN: 2194-5357, ISBN 978-3-319-18296-4 ISBN 978-3-319-18416-6 http://www.springer.com/gp/book/9783319182957 http://www.springer.com/gp/book/9783319184159
			-	**17.** **Valentina Emilia Balas**, Lakhmi C. Jain, Xiangmo Zhao, Fuqian Shi (**editori**), Information Technology and Intelligent Transportation Systems : Proceedings of the 2nd International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2017), Xi'an, China, June 10, 2017, Springer 2017, ISBN 9781614997849, https://www.bookdepository.com/Information-Technology-and-Intelligent-Transportation-Systems/9781614997849?status=invalid-email
			-	**18.** Jude Hemanth and **Valentina Emilia Balas**, (**editori**), Biologically Rationalized Computing Techniques For Image Processing Applications, Springer 2018, ISBN 978-3-319-61316-1, http://www.springer.com/in/book/9783319613154
			-	**19.** **Valentina Emilia Balas**, Lakhmi C. Jain, Zhao, X., (**editori**), Information Technology and Intelligent Transportation Systems, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), Springer 2017, Vol. 1 si Vol. 2, ISBN 978-3-319-38789-5, ISBN 978-3-319-38771-0, http://www.springer.com/in/book/9783319387697 , http://www.springer.com/in/book/9783319387871
			-	**20.** Amlan Chakrabarti, Neha Sharma, **Valentina Emilia Balas** (**editori**), Advances in Computing Applications, Springer 2017, ISBN: 978-981-10-2629-4, http://www.springer.com/la/book/9789811026294
			-	**21.** Pijush Samui, Sanjiban Sekhar Roy, **Valentina Emilia Balas** (**editori**), Handbook of Neural Computation, Elsevier 2017, ISBN: 9780128113189, https://www.elsevier.com/books/handbook-of-neural-computation/samui/978-0-12-811318-9

		-	**22.** **Valentina Emilia Balas**, Lakhmi C. Jain, Marius Mircea Balas (**editori**), Soft Computing Applications : Proceedings of the 7th International Workshop Soft Computing Applications (SOFA 2016) , Vol. 1 + Vol. 2, Springer 2017, ISBN: 9783319625201 ISBN: 9783319625232 http://www.springer.com/gp/book/9783319625201 http://www.springer.com/gp/book/9783319625232
A1.1.2	Carti/Mono grafii şi capitole de cǎrţi de specialitate în edituri recunoscute naţionale	50	**1.** **Valentina E. Bǎlaş**, Teoria Sistemelor, Editura Universitǎţii "Aurel Vlaicu" Arad, **2013**, ISBN 978-973-752-672- 4, 150 pag.
		-	**2.** **Valentina E. Bǎlaş, (Editor)** volumul Proceedings of International Symposium *Research and Education in Innovation Era*, Section 3, *Engineering Processes and Technology, Electrical,* Arad, 16-18 November **2006**, ISBN: 9978-973-752-110-1, Editura Universitǎţii "Aurel Vlaicu" din Arad, 457 pag.
		50	**3.** **Valentina E. Bǎlaş,** *Senzori inteligenţi cu model intern şi fuziune f* **2004**, Timişoara, ISBN 973-625-113-6, 151 pag., Prefaţa scrisǎ de Prof. Lotfi A. Zadeh.
		6,25	**4.** **ValentinaE. Bǎlaş**, Marius M. Bǎlaş. *A Survey on the Constant Time to Collision Techniques,* Lotfi A. Zadeh, Dan Tufiş, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, **2008** , pag. 23-31.
		6,25	**5.** Marius M. Bǎlaş, **Valentina E. Bǎlaş**. *World Knowledge for Controllers by Fuzzy-Interpolative Systems*, Lotfi A. Zadeh, Dan Tufiş, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, **2008**, pag.11-21.
A1.1.3	Manuale didactice	20	**1.** Marius M. Bǎlaş, **Valentina E. Bǎlaş,** *Curs de Dispozitive Electronice,* Editura Universitǎţii "Aurel Vlaicu" Arad, **2003**, ISBN 973-9361-83-8, 126 pag.
		20	**2.** Marius M. Bǎlaş, **Valentina E. Bǎlaş** *Dispozitive şi circuite electronice,* Îndrumǎtor de laborator, Editura Universitǎţii "Aurel Vlaicu" Arad, **2000**, ISBN 973-9361-38-2, 55 pag.

A1		219,13/100	
A2.1	Articole în reviste cotate şi în volumele unor manifestări ştiinţifice indexate ISI Proceedings	20,94	1. **Valentina E. Bălaş**, E. Rovenţa, T. Spircu. *Fusion devices and changes of belief*, Journal of Intelligent and Fuzzy Systems, Volume 19, Number 1 / **2008**, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 9-18, https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs00377 **ISI indexed (impact factor: 1,261/2017)**
		33,11	2. **Valentina E. Bălaş**, Marius M. Bălaş. *Constant Time to Collision Platoons*, **Int. J. of Computers, Communications & Control**, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 33-39, 15-17 Mai **2008** Oradea, Romania, **CNCSIS cat. A,** http://www.dzitac.ro/files/ioan/IJCCC_contents_2006_2011.pdf , **ISI indexed (impact factor: 1,374/2016).**
		33,11	3. Marius M. Bălaş, **Valentina E. Bălaş**. *World Knowledge for Control Application by Fuzzy-Interpolative Systems*, **Int. J. of Computers, Communications & Control**, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 28-32, 15-17 Mai **2008** Oradea, Romania, **CNCSIS cat. A,**

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4. *Valentina E. Bălaş, L. C. Jain,* **World knowledge for sensors and estimators by models and internal models**, *Journal of Intelligent and Fuzzy Systems,* <u>*Volume 21, Number 1-2 / 2010*</u>*, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 79-88,* https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs00437**,** **ISI indexed (impact factor: 1,261/2017)**

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5. Tsung-Chih Lin, Tun-Yuan Lee,**Valentina E. Bălaş**, *Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems*, **Chaos, Solitons & Fractals**, ISSN 0960-0779, Elsevier, Volume 44, Issue 10, October 2011, Pages 791-801 **factor de impact relativ - ISI – 1,455/2016**), **Q2**, http://www.sciencedirect.com/science/article/pii/S0960077911001433

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6. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina E. Bălaş,** *Uncertain Fractional Order Chaotic Systems Tracking Design via Adaptive Hybrid Fuzzy Sliding Mode Control*, **INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL**, ISSN 1841-9836, E-ISSN 1841-9844 . Year: 2011 Volume: 6 Number: 3 (September),*This Issue is Dedicated to Professor Lotfi A. Zadeh on the Occasion of his 90th Birthday,* Guest editors: Valentina E. Balas, Ioan Dzitac and Horia-Nicolai Teodorescu, Agora University Editing House, pag. 400-409, **ISI indexed (impact factor: 1,374/2016).**

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7. Tsung-Chih Lin, Chia-Hao Kuo, Tun-Yuan Lee and **Valentina E. Bălaş,** *Adaptive Fuzzy H^{∞} Tracking Design of SISO Uncertain Nonlinear Fractional Order Time-Delay Systems*, Nonlinear Dynamics, Volume 69, Number 4 (2012), pag. 1639-1650, DOI: 10.1007/s11071-012-0375-5,

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8. Zhenbin Du, Tsung-Chih Lin, **Valentina E. Bălaş,** *A New Approach to Nonlinear Tracking Control Based on Fuzzy Approximation,* INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: 2012 Volume: 7 Number: 1 (March), Agora University Editing House, pag. 61-72, **ISI indexed (impact factor: 1,374/2016).**

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9. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina Emilia Balas**, *Real-Time Fuzzy System Identification Using Uncertainty Bounds*, Neurocomputing, ISSN: 0925-2312, Elsevier, Volume 125, 12 February 2014, pag. 195-216, http://www.sciencedirect.com/science/article/pii/S0925231213005328

		11,84		**ISI (impact factor: 3,317/2016). Q1** **10.** Santhosh P. Mathew, **Valentina E. Balas**, Zachariah K. P., Philip Samuel, *An Efficient Content-based Image Retrieval System Based on Polar Raster Edge Sampling Signature*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 11, No. 3, 2014, pag. 25-36, **ISI, IF=0,745/2016,** http://www.uni-obuda.hu/journal/Mathew_Balas_KP_Samuel_49.pdf
		23,66		**11.** Nicolaie Popescu-Bodorin, **Valentina E. Balas**, *Fuzzy Membership, Possibility, Probability and Negation in Biometrics*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 11, No. 4, 2014, pag. 79-100, **ISI, 0,745/2016,** http://www.uni-obuda.hu/journal/Popescu-Bodorin_Balas_50.pdf , http://www.uni-obuda.hu/journal/
		5,78		**12.** Muhammad Arif, Nor Aniza Abdullah, Manzoor Illahi, Ahmad Karim, Shahaboddin Shamshirband, Khubaib Amjad Alam, Shahid Farid, Salman Iqbal, Zolkepli Buang, **Valentina Emilia Balas**, *An Architecture of Agent-based Multi-layer Interactive E-learning and E-testing Platform*, Quality and Quantity, ISSN: 0033-5177, http://rd.springer.com/article/10.1007/s11135-014-0121-9#page-1, **ISI, IF = 1,094/2017, Q2**
		15,78		**13.** Santhosh P Mathew, **Valentina Emilia Balas**, Zacharia K.P**,** *A Content-based Image Retrieval System Based on Convex Hull Geometry*, Acta Polytechnica Hungarica, ISSN: 1785-8860, ISSN: 1785-8860, Vol. 12, No. 1, 2015, pag. 103-116, http://www.uni-obuda.hu/journal/Mathew_Balas_KP_57.pdf , **ISI, IF=0,745/2016**
		16,53		**14.** Mahmoud Reza Saybani, Teh Ying Wah, Saeed Reza Aghabozorgi, Shahaboddin Shamshirband, Miss Laiha Mat Kiah , **Valentina Emilia Balas**, *Diagnosing Breast Cancer with Improved Artificial Immune Recognition System*, Soft Computing, ISSN: 1432-7643, **Online July 2015**, https://link.springer.com/article/10.1007/s00500-015-1742-1 **ISI, IF = 2,472/2017, Q2**
		9,47		**15.** N. Muthukumar, Seshadhri Srinivasan, K. Ramkumar, P. Kavitha and **Valentina Emilia Balas**, *Supervisory GPC and Evolutionary PI Controller for Web Transport Systems*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 12, No. 5, **2015**, pag. 135-153 , https://www.uni-obuda.hu/journal/Muthukumar_Srinivasan_Ramkumar_Kavitha_Balas_61.pdf **ISI, IF=0,745/2016.**
		18,89		**16.** D. Jude Hemanth, J. Anitha, **Valentina E. Balas**, *Performance Improved Modified Fuzzy C-Means Algorithm for Image Segmentation Applications*, Informatica Lithuan International Journal, ISSN 0868-4952, **2015**, Vol. 26, No. 4, pag. 635-648, http://www.mii.lt/informatica/ , **Q2**, DOI: http://dx.doi.org/10.15388/Informatica.2015.68 **ISI, IF=1,056/2016**

		15,78	**17.** S.Bharathi, R.Sudhakar, **Valentina E Balas**, *Hand Vein based Multimodal Biometric Recognition*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol. 12, No. 6, <u>2015</u>, pag. 213-229, https://www.uni-obuda.hu/journal/Bharathi_Sudhakar_Balas_62.pdf **ISI, IF=0,745/2016**
		8,05	**18.** G. Saravanakumar, K. Valarmathi, M. Pallikonda Rajasekaran, Seshadhri Srinivasan, M. Willjuice Iruthayarajan, **Valentina E. Balas**, *Tuning Multivariable Decentralized PID Controller Using State Transition Algorithm*, Studies in Informatics and Control, ISSN 1220-1766, Volume 24, Issue 4, December <u>2015</u>, pag. 367-378, **ISI, IF=0,776/2016**, http://sic.ici.ro/, https://sic.ici.ro/tuning-of-multivariable-decentralized-pid-controller-using-state-transition-algorithm-2/
		25,36	**19.** R *Dey*, S Ghosh, G Ray, A Rakshit, **VE Balas**, Improved Delay-Range-Dependent Stability Analysis of a time-delay system with Norm Bounded Uncertainty, ISA Transactions, ISSN 0019-0578, Elsevier, http://www.sciencedirect.com/science/article/pii/S0019057815001482 , Vol. 58, pag. 50-57, <u>2015</u>, **Q1, ISI, Impact factor = 3,394/2016**
		24,90	**20.** Ting He, Luyin Cao, **Valentina E. Balas**, Pamela McCauley, Fuqian Shi, *Curvature Manipulation of the Spectrum of Valence-Arousal-related fMRI Dataset using Gaussian-shaped Fast Fourier Transform and its Application to Fuzzy KANSEI Adjectives Modeling*, Neurocomputing, ISSN: 0925-2312, Volume 174, 22 January <u>2016</u>, Pages 1049-1059, http://www.sciencedirect.com/science/article/pii/S0925231215014848 **ISI, Impact factor = 3,317/2016, Q1,**
		4,17	**21.** Abir Ghosh, Anurag Sarkar, Amira S. Ashour, Dana Balas-Timar, Nilanjan Dey, **Valentina E. Balas**, *Grid Color Moment Features in Glaucoma Classification*, International Journal of Advanced Computer Science and Applications (IJACSA), ISSN 2156-5570, Volume 6 Issue 9, pag. 99-107, September, **2015** (**SAI Journal**), http://www.thesai.org/Downloads/Volume6No9/Paper_13-Grid_Color_Moment_Features_in_Glaucoma_Classification.pdf, **ISI, IF = 0**
		10,47	**22.** Zairan Li, Ting He, Luying Cao, Pamela McCauley, **Valentina Emilia Balas**, Shi Fuqian, *Multi-source information fusion model in rule-based Gaussian-shaped fuzzy control inference system incorporating Gaussian density function*, Journal of Intelligent and Fuzzy Systems, ISSN 1064-1246, vol. 29, no. 6, pp. 2335-2344, 2015, https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs1932 , **ISI, IF=1,261/2017**
		9,66	**23.** Sivanandam Venkatesh, Kannan Ramkumar, Muralidharan Guruprasath, Seshadhri Srinivasan, **Valentina E. Balas**, *Generalized Predictive Controller for Ball Mill Grinding Circuit in the Presence of Feed-grindability Variations*, Studies in Informatics and Control, ISSN

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		9,47	**25.** N. Muthukumar, Seshadhri Srinivasan, K. Ramkumar, K Kannan and **Valentina Emilia Balas**, *Adaptive Model Predictive Controller for Web Transport Systems*, Acta Polytechnica Hungarica, ISSN: 1785-8860, Vol.13, Nr. 3, 2016, pag. 181-194, https://www.uni-obuda.hu/journal/Muthukumar_Srinivasan_Ramkumar_Kannan_Balas_67.pdf , **ISI, IF=0,745/2016**
		11,78	**26.** Sk. Saddam Ahmed, Nilanjan Dey, Amira S. Ashour, Dimitra Sifaki-Pistolla, Dana Balas-Timar, **Valentina E. Balas**, João Manuel R. S. Tavares, *Effect of Fuzzy Partitioning in Crohn's Disease Classification: A Neuro-fuzzy based Approach*, Medical & Biological Engineering & Computing, ISSN 0140-0118, January 2017, Volume 55, Issue 1, pp 101–115, https://link.springer.com/article/10.1007/s11517-016-1508-7 , ISI, Impact Factor = 1,916/2017, **Q1.**
		12,51	**27.** Li, Z. R.; Shi, K.; Dey, N., Amira S. Ashour, Dan Wang, **Valentina E. Balas**, Pamela McCauley, Fuqian Shi, *Rule-based back propagation neural networks for various precision rough set presented KANSEI knowledge prediction: a case study on shoe product form features extraction*, Neural Computing & Applications, ISSN: 0941-0643 Volume: 28 Issue: 3 Pages: 613-630 Published: 2017, https://link.springer.com/article/10.1007/s00521-016-2707-8 ISI, Impact Factor = 2,505/2016, **Q2.**
		8,33	**28.** Jude Hemanth, Anitha J., **Valentina E. Balas** - *Fast and Accurate Fuzzy C-Means Algorithm for MR Brain Image Segmentation*, International Journal of Imaging Systems and Technology, ISSN 1098-1098, Volume: 26 Issue: 3 Pages: 188-195, http://onlinelibrary.wiley.com/doi/10.1002/ima.22176/abstract ISI, Impact Factor = 0/2016
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		10		**57.** N. Popescu-Bodorin, **V. E. Balas**, *Best Practices in Reporting Iris Recognition Results*, In volume Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Volume 357, Volume 2, pag. 925-938, (ARC Cat. C**, SCOPUS**)
		5		**58.** D. Balas Timar, **V. E. Balas**, R. Lile, Rajendra Sinha, *Fuzzy scoring algorithm and long term job performance,* In volume Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2016, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2014, AISC, Volume 357, Vol. 2, pag. 925-938, (ARC Cat. C**, SCOPUS**)
		6,66		**59.** D. Jude Hemanth, **Valentina E. Balas** and J. Anitha, *Hybrid Neuro-Fuzzy Approaches for Abnormality Detection in Retinal Images*, In volume Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Volume 356, vol. 1, pag. 295-306, (ARC Cat. C**, SCOPUS**)
		3,33		**60.** S. Senthil Kumar, H. Hannah Inbarani, Ahmad Taher Azar, Hala S. Own, **Valentina Emilia Balas**, Teodora Olariu, *Optimistic Multi-Granulation Rough set based Classification for Neonatal jaundice,* In volume Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Volume 356, Vol. 1, pag. 307-318, (ARC Cat. C**, SCOPUS**)
		4		**61.** Ahmad Taher Azar, Hanaa S. Ali, **Valentina E. Balas**, Teodora Olariu, Rujita Ciurea, *Diagnosis Boosted Decision Trees for Vertebral Column Disease Diagnosis,* In volume Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Volume 356, Vol. 1, pag.

		2,8	319-334, (ARC Cat. C, **SCOPUS**) 62. Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, Valentina Emilia Balas, Fuqian Shi, *Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method Based Approach*, Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: Valentina Emilia Balas, Lakhmi C. Jain, Xiangmo Zhao, ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing, 2017, pp 529-539.
		5	63. S. Rakesh kumar K. Ramkumar, Seshadhri Srinivasan, Valentina Emilia Balas, Fuqian Shi, *Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization Using Neuro-Fuzzy Systems*, Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: Valentina Emilia Balas, Lakhmi C. Jain, Xiangmo Zhao, ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing, 2017, pp 541-551.
		2,8	64. Sirshendu Hore, Sankhadeep Chatterjee, V. Santhi, Nilanjan Dey, Amira S. Ashour, Valentina Emilia Balas, Fuqian Shi, *Indian Sign Language Recognition Using Optimized Neural Networks*, Volume 2, Proceedings of the 2015 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: Valentina Emilia Balas, Lakhmi C. Jain, Xiangmo Zhao, ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing, 2017, pp 553-563.
	BDI	**453,05**	
	TOTAL ISI+BDI	**1604,13**	
A2.3.1	Proprietate intelectuala brevete de inventie, certificate ORDA Internationale		Nu

A2.3.2	Proprietate intelectuala brevete de inventie, certificate ORDA Nationale		Nu
A2.4.1.1	Granturi/proiecte castigate prin competitie Director/Responsabil Internationale	40	1. **Project no.** 015942, **Project acronym** CEEC IST NET, FP 6, 2005-2006. **Project title** SUPPORT TO ORGANISATIONS FROM THE CENTRAL AND EASTERN EUROPEAN COUNTRIES, Thematic Priority: Information Society Technologies Deliverable D 4.1.8 : NATIONAL MAPPING REPORT for ROMANIA, 20 April 2006, Duration: 24 month **Director Stiintific din partea UAV – Valentina E. Balas** https://slideblast.com/project-no-015942-project-acronym-ceec-ist-net-project-title-_595ceac01723dd8e40283dc3.html
		20	2. **Grant Internaţional** – **NSF Awards ENG-1047778 and ENG-1047714**– *Collaborative Research* - oferit de Georgia Institute of Technology, School of Materials Science and Engineering, Atlanta, Georgia, USA, **WIRES 2011 (**Women's International Research Engineering Summit), Pathways to International Collaborations, 30 Martie - 2 Aprilie 2011, *Şef de program* - **Valentina E. Bălaş, grant castigat prin competitie** http://wires.gatech.edu/main.php, http://www.wires.gatech.edu/committee.php, http://wires.gatech.edu/resources/WIRES2-agenda.pdf
		20	3. Global Initiative for Academic Network (**GIAN**) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence. **IIT Kharagpur- the nationsl coordinator for India** **Valentina E. Balas – responsible Romanian partner** **Funding of GIAN: 12000 USD,** **Proiect** câştigat prin competitive in India - Mai 2016, derulat in septembrie 2016, singurul professor selectat din Romania. http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/ http://www.nits.ac.in/gian/Brochure_Fuzzy_Interpolative_Controller_and_Appln_V_Balas.pdf
		-	4. **Un numar de 31 Travel granturi a cate 3000 EURO** fiecare pentru sustinerea de conferinte invitate si demararea de cercetari comune in

			Japonia, Taiwan, China, India, Singapore, USA, Pakistan, Iran.
A2.4.1.2	Granturi/ proiecte castigate prin competitie Director/Re sponsabil Naţionale	-	**Peste 25 de proiecte realizate la CCSIT Vagoane Arad in calitate de şef de proiect pentru partea electrică/electronică, proiecte pobtinute prin competitie in cadrul grupului de intreprinderi producatoare de material rulant.**
		10	**1.** *Masă de poziţionare şi rotire 1000 Kg pt. programul nuclear (responsabil - partea electrică* **V. E. Balas***)*. Cod: 291-**84** MPR.Beneficiar: ISIM Timişoara. Executant: C.C.S.I.T.V.A. Valoare: 100.000 ROL.
		10	**2.** *Masă de poziţionare şi rotire 4000 Kg, pentru programul nuclear (responsabil - partea electrică* **V. E. Balas***)*. Cod: 292-**84**MPR. Beneficiar: ISIM Timişoara. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
		10	**3.** *Instalaţie pentru debitarea tablei din rulou (responsabil - partea electrică* **V. E. Balas***)*. Cod: 2-**85** ISP. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 140.000 ROL.
		10	**4.** *Boghiu metrou generaţia a II-a (responsabil - partea electrică* **V. E. Balas***)*Cod: 5-**85**-BMG II. Beneficiar: I.V.ARAD. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
		10	**5.** *Maşina de roluit corpul cilindrului de frână (responsabil - partea electrică* **V. E. Balas***)*. Cod: 6-**85**MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
		10	**6.** *Maşina de roluit capace cilindru de frână (responsabil - partea electrică* **V. E. Balas***)*. Cod: 16-**85**MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
		10	**7.** *Agregat de găurit multiax taler tampon (responsabil - partea electrică* **V. E. Balas***)*. Cod: 47-**85**AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
		10	**8.** *Agregat de găurit placa de bază tampon PKP-Polonia (responsabil - partea electrică* **V. E. Balas***)*. Cod: 52-**85**AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
		10	**9.** *Agregat de găurit leviere (responsabil - partea electrică* **V. E. Balas***)*. Cod: 6-**86**AG. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
		10	**10.** *Maşina de bordurat şi retăiat cilindrul de frână (responsabil - partea electrică* **V. E. Balas***)*. Cod: 16-**86**MBR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 400.000 ROL.
		10	**11.** *Stand derulat cabluri (responsabil - partea electrică* **V. E. Balas***)*. Cod: 25-**86**ST. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 270.000 ROL.
		10	**12.** *Cercetări privind realizarea unei instalaţii complexe pentru efectuarea încercărilor dinamice tip AAR (SUA), (responsabil - partea electrică* **V. E. Balas***)*. Cod: 51-**87**STC. Beneficiar:

			10	C.C.S.I.T.V.A. Executant: C.C.S.I.T.V.A. Valoare: 1.200.000 ROL.
				13. *Stand complex pentru încercat cuple metrou (responsabil - partea electrică* **V. E. Balas***)*. Cod: 6-**88**STC. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
			10	**14.** *Vagon dinamometric (responsabil - instalaţia TV prin cablu, interfon, sonorizare* **V. E. Balas***)*. Cod: 207. **1988**, Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 2.500.000 ROL.
			10	**15.** *Tehnologie de sudare a stâlpilor de la vagoanele tip Gondolă cu comandă program în mediu protector tip* CO_2 *(responsabil - partea electrică* **V. E. Balas***)*. Cod: 24-**89** ISR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
			10	**16.** *Troliu pentru deplasat longitudinal la nituire (responsabil - partea electrică* **V. E. Balas***)*. Cod: 4-**90** D. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
			10	**17.** *Instalaţie pentru vopsit vagoane în câmp electrostatic (responsabil - partea electrică* **V. E. Balas***)*. Cod: 6-**91** ISR. Beneficiar: M.E.V.A. Dr. Tr.- Severin. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
			10	**18.** *Vagon transport agabaritic pe 24 osii (responsabil - partea electrică* **V. E. Balas***)*. Cod: 653.36-36., **1991**, Beneficiar: ElectroputereCraiova. Executant: C.C.S.I.T.V.A. Valoare: 1.500.000 ROL.
			10	**19.** *Vagon comandă personal (responsabil - instalaţii electrice speciale* **V. E. Balas***)*. Cod: AAP., **1992**, Beneficiar: Ministerul Apărării Naţionale. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
			10	**20.** *Vagon clinic şi radiologic (responsabil - instalaţii electrice speciale* **V. E. Balas***)*. Cod: AAT., **1992**, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 220.000 ROL.
			10	**21.** *Vagon farmacie (responsabil - instalaţii electrice speciale* **V. E. Balas***)*. Cod: AAV., **1992**, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
			10	**22.** *Vagon uzină (responsabil - instalaţii electice speciale* **V. E. Balas***)*. Cod: AAW., **1992**, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
			10	**23.** *Vagon sală de operaţii (responsabil - instalaţii electrice speciale* **V. E. Balas***)*. Cod: AAR, **1992**, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 175.000 ROL.
			10	**24.** *Vagon reanimare şi transport răniţi (responsabil - instalaţii electrice speciale* **V. E. Balas***).,* **1993**, Cod: AAS. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
			10	**25.** *Vagon sală pansamente (responsabil - instalaţii electrice speciale* **V. E. Balas***).,* **1993**, Cod: AAU. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.

		10		**26.** *Grant CNCSU Nr. 107, obtinut prin competitie-* *Dispozitive, Circuite si Microsisteme" in cooperare cu Universitatea „Politehnica" Bucureşti prin Banca Mondială.* Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timişoara. Bursa - **V. E. Balas** luna noiembrie **1999**, Senzori inteligenţi fuzzy, in cadrul laboratorului LAMII, Annecy, Franţa. Valoare: 2000$
		10		**27.** *Grant CNCSU Nr. 107, obtinut prin competitie-* *Dispozitive, Circuite si Microsisteme" in cooperare cu Universitatea „Politehnica" Bucureşti prin Banca Mondială.* Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timişoara. Bursa - **V. E. Balas**, luna ianuarie **2001**, Senzori inteligenţi fuzzy, in cadrul laboratorului LAMII, Annecy, Franţa, Valoare: 2000$.
		10		**28.** **Proiect obţinut prin competiţie***: Organizarea Şcolii de Vară – „Soft Computing" – ediţia a II-a, cu participare internaţională, în limba engleză.* Iulie **2003**. Universitatea „Aurel Vlaicu" din Arad. **Director** - V. E. Bălas, colaborator – Consiliul Judeţean Arad, Centrul Cultural. Valoare: 2.000 RON.
		10		**29.** **Proiect obţinut prin competiţie***: Organizarea Şcolii de Vară – „Soft Computing" – ediţia a III-a, cu participare internaţională, în limba engleză.* August **2004**. Universitatea „Aurel Vlaicu" din Arad. **Director** - V. E. Bălaş, colaborator – Consiliul Judeţean Arad, Centrul Cultural. Valoare: 2.500 RON.
		10		**30.** **Proiect obţinut prin competiţie***: Organizarea Şcolii de Vară – „Soft Computing" – ediţia a IV-a, cu participare internaţională, în limba engleză.* Iulie **2005**, Dispozitia 228/18.05 2005, Universitatea „Aurel Vlaicu" din Arad. **Director** - V. E. Bălaş, colaborator – Consiliul Judeţean Arad, Centrul Cultural. Valoare: 8.000 RON.
		10		**31.** **Proiect obţinut prin competiţie***: Organizarea Şcolii de Vară – „Soft Computing" – ediţia a V-a, cu participare internaţională, în limba engleză.* Iulie **2006**. Universitatea „Aurel Vlaicu" din Arad, **Director** - V. E. Bălaş, colaborator – Consiliul Judeţean Arad, Centrul Cultural. Valoare: 3.000 RON.
		10		**32.** **Contract de cercetare obtinut prin competitie de la SC TAKATA SA:** *Laborator automatizari cu Echipament Mitzubishi PLC,* septembrie **2007**, Universitatea „Aurel Vlaicu" din Arad, **Directorde contract - Valentina E. Bălaş**, 1600 EURO.
		10		**33. Proiect obtinut prin competitie**, Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, **23.000 lei**, **Director de proiect** – **Valentina E. Balas**, Soft Computing and Applications.

		10	**34.** Contract de finantare UEFISCDI - **48/29.11.2016** - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetatori cu experienta din diaspora – cod **depunere PN-III-P1-1.1-MCD2016-0108**, **Responsabil – Valentina E. Balas**, Cercetator din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - **2100 EURO**, proiect obtinut prin competitie nationala.
		10	**35. Proiect obtinut prin competitie**, Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, **23.000 lei**, Director de proiect – **Valentina E. Balas**, Soft Computing and Applications.
		10	**36.** **Contract de cercetare** *obtinut prin competitie cu SC CONTACT PLUS SRL Arad. „ Cercetari privind dezvoltarea unor noi metode de fuzionare a cunostinţelor si aplicatii",* Mai **2005**, Nr. 1570/11.05 2005, Universitatea „Aurel Vlaicu" din Arad. *Şef de contract* - **V. E. Balas**. Valoare: 5.000.000 ROL.
		10	**37.** **Contract de cercetare** *obtinut prin competitie* Nr. 05/12.12.**2007** cu SC Ovidiu Nicola SRL *„Cercetări privind realizarea unui senzor pentru ploaie"*, Universitatea „Aurel Vlaicu" din Arad, *Responsabil de contract* - **Valentina E. Balas** , 1.000 RON
		10	**38.** **Contract de cercetare** *obtinut prin competitie* Nr. 2726/22.05.**2008** cu SC Ready SRL *„Cercetări privind aplicaţii ale inteligenţei artificiale în tehnică"*, Universitatea „Aurel Vlaicu" din Arad, *Responsabil de contract* - **Valentina E. Balas**, 1.000 Ron
		10	**39.** **Contract de cercetare** *obtinut prin competitie* Nr. 433/19.02.**2010** cu SC Ready SRL *„Cercetări privind aplicaţii in domeniul sistemelor inteligente"*, Universitatea „Aurel Vlaicu" din Arad, *Responsabil de contract* - **Valentina E. Balas**, 500 Ron.
		10	**40.** **Contract de cercetare** *obtinut prin competitie* Nr. 5095.05.11.**2010** *cu SC Computer Voice Systems Romania SRL „Cercetări privind Studiul oportunităţii utilizarii tehnologiei GWT pentru aplicaţiile web cu flux de date real time"*, Universitatea „Aurel Vlaicu" din Arad, *Responsabil de contract* - **Valentina E. Balas**, 1000 Ron.
		10	**41.** Competitia Premierea rezultatelor cercetarii in Universitatea Aurel Vlaicu Arad, martie 2016, 2100 Euro – **Valentina E. Balas**.
		10	**42.** Proiect obtinut prin competitie cu Centrul Municipal de Cultura Arad - CMCA, Programul Tineret, Învăţământ şi Recreative 2017, pozitia 20, 12.200 lei, **Director de proiect – Valentina E. Balas**, Cercetari in domeniul Pancreasului Artificial.
		10	**43.** Contract de cercetare obtinut prin competitie cu agenti economici in valoare de 10.000$, 2017

		Total	**510**	
A2.4.2.1	Granturi/ proiecte castigate prin competitie Membru in echipa Internationale	**12**	**1.** Program Internaţional, **Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacităţi /Modul III, Cooperare Bilaterală între România şi Bulgaria**, Titlu: *"Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems"*, Acronim: *NextGenElectroMedSupport*, Instituţia conducătoare în ţară este Universitatea Petru Maior din Târgu Mureş, universitatea conducătoare din Bulgaria este Universitatea Tehnică din Sofia. Directori de proiect: Bulgaria - Prof. dr. Roumen Kountchev Technical University from Sofia, Bulgaria, Romania - director general - Barna Iantovics, Membri /cercetători în echipă: **Valentina E. Bălaş,** Marius M. Bălaş, **august 2010-august 2012.**
		12	**2.** Program Internaţional, **Planul Naţional pentru Cercetare Dezvoltare şi Inovare 2007-2013-PN II, Capacităţi /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală**, Cooperare Bilaterală între România şi Slovacia Titlu: *"***Hybrid Medical Complex Systems***"*, Acronim: ComplexMediSys CO: Universitatea Petru Maior din Targu Mureş CO: Academia Slovaca de Ştiinte, Bratislava Directori. Ladislav Hluchý (Slovacia) si Barna Iantovics (Romania) Membri /cercetători în echipă: **Valentina E. Bălaş,** Marius M. Bălaş, **ianuarie 2011-ianuarie 2013.**
		4	3. National Science Foundation (NSF), Agency Contract Number: 0948297, Project type: Basic Research, Period: 07/20/2009 to 10/15/2010, Principal Investigator: Pamela McCauley-Bush, The objective of this grant is to establish an international collaboration with two female engineering faculty members in Romania to further the research being conducted bu the Human Factors and Simulation in Distaster Management Research Team at the University of Central Florida. The UCF HFDM Research is led by Dr. Pamela McCaulry Bush and the collaborative partners are Dr. Valentina Balas and Mihaela Albu. https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view_proposal_detail&rec_id=1049585&rec_type=research
A2.4.2.2	Granturi/proiecte castigate prin competitie Membru in echipa Nationale	**2**	*1.Grant CNCSIS „Cercetări pentru implementarea strategiilor bazate pe logica fuzzy şi reţele neuronale destinate detecţiei şi diagnosticării defectelor, cu aplicaţie la sistemele de conducere a acţionărilor electrice".* Iulie **2004**. Executant principal: Universitatea „Politehnica" Timişoara. **membri UAV** – M.M. Balas si **V. E. Bălaş**. Valoare: 800 EURO.
		2	**2.Grant PN – II WE Cod CNCSIS: 47**, Contract de cofinanţare cu Autoritatea Naţională pentru Cercetarea Ştiinţifică Nr. 316 / 09.04.**2008**, Workshop Exploratoriu „ *De la limbaj natural la soft computing: noi*

		2	*paradigme ale inteligenţei artificiale*", Responsabil Institutul de Cercetari pentru Inteligenta Artificiala al Academiei Romane – Acad. Dan Ioan Tufiş, 30.000 Ron, **Colaborator** – **Valentina E. Bălaş**, **3. POSDRU/89/1.5/S/56287,** *Programe postdoctorale în avangarda cercetării de excelenţă în Tehnologiile Societăţii Informaţionale şi dezvoltarea de produse şi procese inovative*, Proiect cofinanţat din Fondul Social European prin Programul Operaţional Sectorial Dezvoltarea Resurselor Umane 2007-2013, Proiect implementat de Institutul Naţional de Cercetare-Dezvoltare pentru Textile şi Pielarie – INCDTP în parteneriat cu Academia de Studii Economice Bucureşti - Centrul de Cercetări Analize şi Politici Regionale, Universitatea din Oradea şi ASSOCIATION GROUPE ESSEC, **Membru al grupului ţintă – Valentina E. Bălaş,** Activitatea 4 – Formarea şi perfecţionarea în cadrul programelor pilot de pregătire postdoctorală prin cursuri susţinute de ESSEC Bussines School – Franţa.
		8	**4.** Membru în colectivul grantului, **Responsabil WP 3** din Programul Operaţional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, deszvoltare tehnologică şi inovare (CDI) în sprijinul competitivităţii economice şi dezvoltării afacerilor, Acţiunea 1.1.4 – Atragerea de personal cu competenţe avansate din străinătate pentru consolidarea capacităţii de CD. Titlul Proiectului: *Noi nano-arhitecturi de inspiraţie biologică de tip cellular – pentru circuite integrate, Nano-ART-BioCell – P_37_744,* **valoare 8.502.600 lei, 2016-2019** **Responsabil la pachetul WP 3 – Valentina E. Balas**
		2	**5. Contract de cercetare** *obtinut prin competitie* Nr. 03 din 10.10.**2013** *cu SC* **S.C MBB S.R.L** *"Modelarea si simularea proceselor de tratament termic"*, Universitatea „Aurel Vlaicu" din Arad, *Responsabil de contract* – Marius M. Balas, Membru în echipa de cercetare - **Valentina E. Balas**, 1000 Ron
	Total	**44**	
A2		**2158,13**	**Total 2158,13/600**
A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice Carti ISI	**58,92**	**70 citări – 58,92 puncte**
A3.1.2	Citari in carti, reviste si volume ale unor manifestari stiintifice	**13,25**	**51 citări – 13,25 puncte**

	BDI		
A3.2.1	Prezentări invitate în plenul unor manifestări ştiinţifice internaţionale şi Profesor invitat	**10**	**1.** Conferinţă invitată, "*Design of Intelligent Information Systems: Reasoning and Practical Applications"* - **Valentina E. Bălaş -** International Workshop on "System Science and Engineering", 2nd November **2007**, **Taipei, Taiwan**, Department of Electrical Engineering, National Taiwan University of Science and Technology http://140.118.107.57/SSE/SSE_workshop.htm. **NTUST ocupa locul 9/111 universităţi din Taiwan (2012).**
		10	**2.** Conferinţă invitată, "*The Educational Aspects of the Fuzzy-Interpolative Systems"* **Valentina E. Bălaş** şi Marius M. Bălaş la la 7th International Conference on Global Research and Education, Inter-academia, 15-18 September, **2008**, **Pecs, Hungary**, http://www.trivent.hu/IA2008/Program.html .
		10	**3.** Conferinţă invitată, " *Automation and Intelligent Systems – research program in Aurel Vlaicu University"*- **Valentina E. Bălaş** la WIRES 2009 – Women's International Research Engineering Summit, Connecting Women and Completing the Circuit of International Research Collaboration, June 2-4, **Barcelona, Spain**, pag. 39. *http://www.wires.gatech.edu/* , *http://www.wires.gatech.edu/resources/program_and_participant_directory. pdf* .
		10	**4.** Conferinţă invitată, "*Fuzzy Techniques for Sensors"*- **Valentina E. Bălaş** în Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), **Praga, Cehia**, March 23-25, **2009**, Plenary Lecture 2, pag.10, ISBN: 978-960-474-066-6, ISSN: 1790-5109, Publisher WSEAS(World Scientific and Engineering Academy and Society) Stevens Point, Wisconsin, USA, http://www.wseas.us/e-library/conferences/2009/prague/FUZZY/FUZZY00.pdf .
		10	**5.** Conferinţă invitată, "*World knowledge for sensors by internal models and fuzzy techniques"* - **Valentina E. Bălaş** la Universitatea din Gyor – Szechenyi Istvan Egyetem, 23 Martie **2009**, **Gyor, Ungaria**.
		10	**6.** Conferinţă invitată **"***The Passive Greenhouse"* – **Valentina E. Bălaş** la International Conference on System Science, Engineering **ICSEM 2010**, 12-14 November 2010, **Yichang, China**.
		10	**7.** Conferinta invitată, " *A Sustainable Agricultural System: The Passive Greenhouse"* - **Valentina E. Bălaş** şi Marius M. Bălaş la National Kaohsiung University of Applied Sciences, **Kaohsiung, Taiwan**, 09.11.2010, **KUAS ocupa locul 26/111 universităţi din Taiwan (2012).**
		10	**8.** Conferinţă invitată "*Fuzzy Methodologies and Applications in Transportation* " - **Valentina E. Bălaş** la **FEIT 2011**, 2011

				International Joint Conference on Fuzzy Engineering and Intelligent Transportation **Xi'an**, China **10-11, December 2011**, http://news.chd.edu.cn/content/content_16450.php.
		10	9.	Conferința invitată "*International Collaboration on Fuzzy Control and Smart Sensors in Greenhouses*" - **Valentina E. Bălaş** la **WIRES 2011** (Women's International Research Engineering Summit), 30 Martie - 2 Aprilie 2011, **Orlando, USA**, http://wires.gatech.edu/main.php, http://wires.gatech.edu/resources/WIRES2-program.pdf, http://wires.gatech.edu/committee.php .
		10	10.	Conferință invitată – "*New Research Directions Using Soft Computing Techniques*" - **Valentina E. Bălaş** la AISC 2012 – Artificial Intelligence and Soft Computing, On the eve of 150th Birth anniversary of Pt. Madan Mohan Malviya Ji, founder of BHU, Varanasi and 25th year of Graduation of Alumni of Department of Computer Engineering, 7-9 Decembrie 2012, **IIT (BHU) Varanasi, India**, http://iitbhu.ac.in/conferences/cse/aisc2012/ **IIT BHU Varanasi ocupă locul 6 în India între Institutele de inginerie.**
		10	11.	Conferință invitată - *New Advanced Computational Intelligence Paradigms. Methodologies and Applications,* **Valentina E. Bălaş** la Workshop on Computational Intelligence in Honor of László T. Kóczy on his 60th Birthday, November 22, 2012, **Obuda University, Ungaria**.
		10	12.	Conferință invitată – "*Soft Computing-Based Research in "Aurel Vlaicu" University of Arad Methodologies and Applications* " - **Valentina E. Bălaş** la The 2012 International Conference on Information Management, Innovation Management and Industrial Engineering, **ICIII2012**, 20-21 Oct. 2012, **Sanya, Hainan, China**, http://www.iciii-conf.org/ http://www.iciii-conf.org/keynotes.htm .
		10	13.	Conferință invitată – "*Advanced Intelligent Computing Methodologies and Applications***" - Valentina E. Bălaş** la The Six International Conference on Genetic and Evolutionary Computing, **ICGEC 2012,** 25-28 August 2012, **Kitakyushu, Japan**, http://bit.kuas.edu.tw/~icgec12/keynote.html.
		0	14.	Prelegere invitată - "*Computational Intelligence-Based Research in Aurel Vlaicu University of Arad*" - **Valentina E. Bălaş** la **Nanyang Technological University of Singapore, NTU**, School of Electrical & Electronic Engineering, Infinitus, Infocomm Centre of Excellence, 13 ianuarie, 2012, Singapore http://www.infinitus.eee.ntu.edu.sg/Events/Pages/2012Seminars.aspx http://www.infinitus.eee.ntu.edu.sg/Pages/Print.aspx?page=http://ww

				w.infinitus.eee.ntu.edu.sg/Events/Pages/2012Seminars.aspx. **NTU ocupă locul 11 pe Asia şi locul 86 în clasamentul mondial al celor mai bune universităţi (2012-2013).**
			10	15. Seminar invitat – "*Research Directions using Intelligent Paradigms in "Aurel Vlaicu" University of Arad*" - **Valentina E. Bălaş** la **National University of Singapore**, **NUS,** Faculty of Engineering, Department of Electrical and Computer Engineering, Singapore, 12, ianuarie, 2012, Singapore, http://www.ece.nus.edu.sg/events/seminars.html http://www.ece.nus.edu.sg/events/seminars/sem-details2611new.asp?sid=185. **NUS ocupa locul 2 pe Asia şi locul 29 în clasamentul mondial al celor mai bune universităţi (2012-2013).**
			10	16. Conferinţă invitată " *New Advanced Intelligenge Paradigms*" - **Valentina E. Bălaş** la ICGITS 2013 – International Conference on Global Innovations in Technology and Sciences, 4-6 April 2013, Kottayam, India, http://saintgits.org/main/sie/default.asp ; http://saintgits.org/main/sie/Decennial.asp.
			10	17. Seminar invitat "*Recent advances in soft computing applications*" – **Valentina E. Bălaş,** la College of Information Science and Engineering, Ritsumeikan University, Shiga, Japan, 11-14 Septembrie 2013.
			10	18. . Conferinţă invitată la 6th International Conference on Emerging Trends in Engineering & Technology, ICETET 2013, 16-18 December, Nagpur, India, Plenary Talk" *Advanced Computational Intelligence-Based Research",* http://icetet.org/technical_program.html http://www.nagpurtoday.in/6th-international-conference-on-emerging-trends-in-engineering-technology-from-dec-16-18-2013/
			10	19. Conferinţă invitata la Universitatea Kalasalingam, Tamil Nadu, India, 29 ianuarie, 2014, " *New Directions in Intelligent Systems: Reasoning and Applications*"- **Valentina E. Bălaş**.
			10	20. Invited talk **Optimization in Engineering (OPTENG2014)**, 29-31st May, 2014, Bankura Unnayani Institute of Engineering, Bankura, West Bengal, India, *Advanced Soft Computing Methodologies and Practical Applications*, http://www.buie.ac.in/DisplayPage.aspx?page=gk&ItemID=4 http://webcache.googleusercontent.com/search?q=cache:PBgzlSxFLpMJ:www.buie.ac.in/DisplayPage.aspx%3Fpage%3Dgk%26ItemID%3D4+&cd=2&hl=en&ct=clnk&gl=ro
			10	21. Keynote Speaker and Session Chair to the 7th International Conference on Information Management, Innovation Management and Industrial Engineering (ICIII2014), 25-26 October 2014, Xi'an, CHINA,

				Fuzzy Techniques in Image Processing – Valentina and Marius Balas, http://www.iciii-conf.org/keynotes.htm
			10	**22.** The 18th World Conference on Soft Computing and Industrial Applications, World Wide Web 1-12 December 2014, **WSC 18**, *Practical Applications of Soft Computing Techniques,* Valentina and Marius Balas, http://www.fti.itb.ac.id/wsc18/keynote/
			10	**23.** IEEE 17th International Multi Topic Conference **INMIC 2014**, Bahria University, Karachi December 8-10, 2014, Pakistan, Special Guest Lecture - *Soft Computing Methods and Modeling,* http://ieee.inmic.org/index.php?option=com_content&view=article&id=96&Itemid=72
			10	**24.** Grant International - Plenary Panelist, Title: The future development and challenges of ICT, Valentina and Marius Balas to International Computer Symposium, December 12-14, 2014, Tunghai University, Taichung, Taiwan
			10	**25.** Healthy World Conference 2015, 5-7 September 2015, Kakinada, India, Invited talk: *Electronics and its applications in Health Care*, http://www.hwc2015.org/docs/HWC2015Brochure.pdf
			10	**26.** 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), Xi'an, CHINA, December 12-13, 2015, Invited Speaker: *Automatic control of the traffic flow*, http://itits.chd.edu.cn/cp.htm
			10	**27.** The International Conference on Computational intelligence and communication technology (ICICT-2016), 12-13 February, 2016 Ghaziabad, India , http://cict.abes.ac.in/speaker.php
			10	**28.** Travel Grant to Shiraz Second International Congress M-Health SIM 2017, Shiraz, Iran, 22-23 February 2017, Key Note Speaker – Valentina E. Balas - M-Health Experiences, 3000 Euro, http://mhealth.sums.ac.ir/en/page.php?rid=45&PHPSESSID=2bd821597ee5a02528c29c22e41cda66
			10	**29.** Travel Grant to the First International Conference on Data Management, Analytics and Innovation (ICDMAI – 2017), 24-26 February 2017, Pune, India, Invited Speaker – Valentina E. Balas, 3.000 Euro, http://www.icdmai.com/Keynote_Speakers.htm
			10	**30.** Travel Grant to the First International Conference on Advanced Computational and Communication Paradigms (ICACCP), Sikkim Manipal Institute of Technology (SMIT), Majitar, Rangpo, East Sikkim, Sikkim-737136, India, 08-10 September 2017, Invited Speaker – Valentina E. Balas, 3.000 Euro, http://www.icaccpa.in/keynote-speakers
			10	**31.** Travel Grant to 3rd International Conference on *"Next Generation Computing Technologies",* (NGCT-2017), 30th and 31st October, 2017, School of Computer Science & Engineering, University of Petroleum & Energy Studies, Bidholi Campus, Via- Prem Nagar, Dehradun, India, Invited Speaker – Valentina E. Balas, 3.000 Euro, http://www.ngct2017.in/keynote-Speakers

	TOTAL	**310**	
A3.2.2	Prezentări invitate în plenul unor manifestări ştiinţifice naţionale şi Profesor invitat	**5**	1. Conferinţă invitată, "*Pionierii informaticii româneşti*" -**Valentina E. Bălaş** la simpozionul, 50 de ani de la apariţia primului calculator românesc (CIFA-1, 1957) şi la 85 de ani de la naşterea creatorului său, Victor Toma din 8 decembrie **2007**, **Universitatea Agora Oradea**, http://www.bihon.ro/stiri/oradea-bihor/articol/simpozion-dedicat-pionierilor-informaticii/cn/news-20071205-06422704.
		5	2. Conferinţă invitata, "*Constant Time to Collision Platoons*" – **Valentina E. Bălaş** şi Marius M. Bălaş la ICCC 2008, International Conference on Computers, Communications and Control, Felix Spa Romania, May 15-17 **2008**, text publicat în I. Dzitac, F.G. Filip, M.-J. Manolescu (eds), Proceedings of ICCCC 2008, in IJCCC, Vol.III (2008), suppl. issue, pp. 33-39, **indexata ISI.**
		5	3. Conferinţă invitată "*World Knowledge for Control Applications by Fuzzy-Interpolative Systems*" – Marius M. Bălaş şi **Valentina E. Bălaş** la ICCC 2008, International Conference on Computers, Communications and Control, Felix Spa Romania, May 15-17 **2008**, text publicat în I. Dzitac, F.G. Filip, M.-J. Manolescu (eds), Proceedings of ICCCC 2008, in IJCCC, Vol.III (2008), suppl. issue, pp. 28-32, **indexata ISI.**
		5	4. Conferinţă invitată, "*A Sustainable Feeding System for our Future: the Passive Greenhouse*" - **Valentina E. Bălaş şi Marius M Bălaş la**, 11th WSEAS International Conference os Sustainability in Science Engineering (SSE '09), **Timişoara, România**, May 27-29, **2009**, pag. 15, http://www.wseas.us/conferences/2009/timisoara/sse/Plenary5.htm.
	TOTAL	**20**	
A3.3.1	Membru în colectivele de redacţie sau comitete ştiinţifice ale revistelor, organizare de manifestări ştiintifice internaţionale indexate ISI	**660**	**Selecţie**
		10	i. *Guest Editor* **la** *Journal of Intelligent and Fuzzy Systems*, **Editor Reza Langari, USA,** *Volume 19, Number 1 / 2008*, *Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 1-2, http://iospress.metapress.com/content/q0h6213h3k20/*, *ISI Journal (impact factor: 0,649).*
		10	i. Co-Guest Editor (Chee Peng Lim, Lakhmi C. Jain, Ngoc Thanh Nguyen and Valentina E. Balas) pentru Special Issue la **Fuzzy Optimization and Decision Making**, A Journal of Modeling and Computation Under Uncertainty, ISSN: 1568-4539 (Print) 1573-2908 (Online), Publisher: **Springer Netherlands**, **2008,** Volume 7, Number 3/ September 2008, Special Issue: Advances in Computational Intelligence Paradigms and Applications, pages 215-217, http://link.springer.com/article/10.1007%2Fs10700-008-9031-4 , **ISI Journal.**
		10	3.Co-Guest Editor, Ngoc Thanh Nguyen, Chee Peng Lim, Lakhmi C. Jain, **Valentina E. Balas** la Journal of Intelligent and Fuzzy Systems, Editor Reza Langari, USA, Volume 20, Issue 1,2 April **2009**, Special Issue: Theoretical advances

				and applications of intelligent paradigms, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), Guest Editorial: *Theoretical advances and applications of intelligent paradigms* pp. 1-2, **ISI Journal (impact factor: 0,649).**
		10		**4.Guest Editors,** Valentina E. Balas, Ioan Dzitac, Horia-Nicolai Teodorescu - INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: **2011** Volume: 6 Number: 3 (September),*This Issue is Dedicated to Professor Lotfi A. Zadeh on the Occasion of his 90th Birthday,* Agora University Editing House, ISSN 1841-9836, **ISI Journal.**
		10		**5.** Associat Editor la **Acta Polytechnica Hungarica,** Journal of Applied Sciences, ISSN 1785-8860, Hungary, http://www.uni-obuda.hu/journal/ , **ISI Journal, IF=0,284/2010.**
		10		**6.** **Guest Editor** la **Special Issue** on Fuzzy Engineering and Intelligent Transportation (Guest Editors : Prof. Xiangmo Zhao, Prof. **Valentina Emilia Balas** and Prof. Fuqian Shi), Internationl Journal of INFORMATION (INFORMATION-TOKYO), Editing Asian Information-Science-Life (NOVA Sci. Pub., USA), http://www.information-iii.org/information_journal.html ,Vol.15, No.6, June, 2012, http://www.information-iii.org/abs_e2.html#No6-2012, **ISI Journal,** Impact Factor (IF) = 0.25 (2011).
		10		**7.** **Guest Editor** la **Special Issue** Recent advances in soft computing: Theories and applications, Journal of Intelligent & Fuzzy Systems, (Guest Editors: Chee Peng Lim, **Valentina Emilia Balas** and Quoc Do), http://iospress.metapress.com/content/56qw7161m6573240/fulltext.pdf , **ISI Journal.**
		10		**8.** **Guest Editor** la **Soft Computing Applications**, Proceedings of the 5th International Workshop Soft Computing Applications (SOFA 2012) Series: **Advances in Intelligent Systems and Computing**, Vol. 195 Balas, V.E.; Fodor, J.; Várkonyi-Kóczy, A.R.; Dombi, J.; Jain, L.C. (Eds.) 2013 ISBN 978-3-642-33941-7, ISI Proceedings.
		10		**9.** Lead Guest Editor la **Mathematical Problems in Engineering,** ISSN: 1024-123X (Print), ISSN: 1563-5147 (Online), Fuzzy Computing and Intelligent Transportation, http://www.hindawi.com/journals/mpe/si/702023/cfp/ , http://www.hindawi.com/journals/mpe/ , **ISI Journal, IF = 0,548.**
		10		**10.** **Organizator şi General Co-Chair** la The 2nd IEEE International Workshop on Soft Computing Applications - SOFA 2007, 21-23 August 2007, Gyula -Hungary / Oradea – Romania, http://www.trivent.hu/SOFA2007/ **(categoria C în ARC)**
		10		**11.** Co-Chair impreuna cu Lotfi A. Zadeh la conferinţa invitată „Mind Your Words! You Might Convey What You Wouldn't Like To" a Acad. Dan Tufis, la EWNLC, Băile Felix Spa, Romania, 15-17 May 2008, http://www.iccc.univagora.ro/iccc-2008/
		10		**12.** Organizator şi Co-Chair al unei Special Session la KES 2008: Novel Foundation and Applications of Intelligent Systems, 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 3-5 September 2008, Zagreb, Croatia, http://kes2008.kesinternational.org/; http://kes2008.kesinternational.org/KES2008-program.pdf
		10		**13.** **Organizator şi General Co-Chair** la The 3rd IEEE International Workshop on Soft Computing Applications - SOFA 2009, 29 July-1 August 2009, Szeged –Hungary/Arad – Romania, http://www.trivent.hu/2009/sofa2009/ **(categoria C în ARC)**
		10		**14.** Chair la Plenary Session a Prof. Jun Wang – Hong Kong - Neurodynamic Optimization with Its Application for Model Predictive Control, la The 3rd IEEE International Workshop on Soft Computing Applications - SOFA 2009, 29 July-1 August 2009, Szeged –Hungary/Arad – Romania,

		10	http://www.trivent.hu/2009/sofa2009/ **(categoria C în ARC)**
			15. Chair la Plenary Session a Prof. Pamela McCauley Bush - USA - A Research Based Approach to Predictive Simulation in Disaster Management - la The 3rd IEEE International Workshop on Soft Computing Applications - SOFA 2009, 29 July-1 August 2009, Szeged –Hungary/Arad – Romania, http://www.ieee-sofa2009.org/
		10	**16.** Program Committee Co-Chair la ISCIII'09, 4th International Symposium on Computational Intelligence and Intelligent Informatics, October, 21 – 25, 2009, Egypt, http://www.trivent.hu/ISCIII2009/index.php?p=chairs
		10	**17.** Chair al Workshop on Applied Computational Intelligence, organizat in cadrul ISCIII'09 Proceedings, 4th International Symposium on Computational Intelligence and Intelligent Informatics, 21-25 October 2009, Egypt, 24 October 2009.
		10	**18.** Technical Committee la KES Focus Group on Intelligent Decision Technologies, 2010, KES International, http://www.kesinternational.org/idt-focus.php , **(categoria B în ARC)**
		10	**19.** Organizator si General Co-Chair la The 4th IEEE International Workshop on Soft Computing Applications - SOFA 2010, 15-17 July 2010, Arad – Romania, http://trivent.hu/2010/sofa/, **(categoria C în ARC)**
		10	**20.** Publicity Co-Chair la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, http://www.fuzz-ieee2011.org, **(categoria A în ARC)**
		10	**21.** Organizator si Co-Chair la Sesiunea Speciala: SS32: Special Session on Adaptive Fuzzy Logic Control la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, http://www.fuzz-ieee2011.org; http://fuzzieee2011.nutn.edu.tw/download/FUZZ-IEEE%202011-SS32-12082010.pdf , **(categoria A în ARC)**
			22. Organizator si Co-Chair la Sesiunea Speciala: SS33: Special Session on Fuzzy and Paraconsistent Intelligent Systems la IEEE International Conference on Fuzzy Systems 2011 - FUZZ-IEEE 2011, June 27-June 30, 2011, International Convention Center (TICC), Taipei, Taiwan, http://www.fuzz-ieee2011.org; http://www.fuzz-ieee2011.org/download/FUZZ-IEEE%202011-SS33-12082010.pdf , **(categoria A în ARC)**
		10	**23.** Organizator si Co-Chair la Sesiunea Speciala Computational Intelligence Methods to Benefit Society, KES 2011 – 15TH INTERNATIONAL CONFERENCE ON KNOWLEDGE-BASED AND INTELLIGENT INFORMATION & ENGINEERING SYSTEMS: 12-14 SEPTEMBER 2011, KAISERSLAUTERN, GERMANY, **(categoria B în ARC)** http://kes2011.kesinternational.org/cms/user/ISdisplay.php, http://kes2011.kesinternational.org/cms/userfiles/cfp-is02.pdf **(categoria** B **în ARC)**
		10	**24.** Program Committee Co-Chair la 5th International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII'11, September, 15 – 17, 2011, Floriana, Malta, http://www.trivent.hu/ISCIII2011/index.php?p=chairs
		10	**25.** Co-organizator a unei Sesiuni Speciale New Directions in Fuzzy Adaptive Control, Session organizers Valentina E. Balas and Tsung-Chih Lin FUZZ-IEEE'2012, at WCCI'2012, Brisbane, Australia, June 10-15, 2012, http://www.uav.ro/files/call/Special%20session.pdf , **(categoria A în ARC)**
		10	**26. Organizator si General Co-Chair** la The 5th IEEE International Workshop on Soft Computing Applications - SOFA 2012, 22-24 August 2012, Szeged-Hungary, http://ieee-sofa2012.org/, **(categoria C în ARC)**
		10	**27.** Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2013, 7-10 Iulie, 2013, Hyderabad, India, SS-24: New Trends in Fuzzy Adaptive Control, http://www.isical.ac.in/~fuzzieee2013/?q=node/73 **(categoria A în ARC)**
			28. Publication and Proceedings Chair la 5th International Conference on Computers

		10	Communications and Control, ICCCC 2014, Băile Felix, Oradea, România, May 7-9, 2014, http://univagora.ro/icccc2014/
		10	29. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS: FZ-03: *Adaptive Fuzzy Contro for Nonlinear Time-delay Systems Control*, Valentina E. Balas, Tsung-Chih Lin, Rajeeb Dey, http://www.ieee-wcci2014.org/accepted-ss.htm
		10	30. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS:FZ-26: Fuzzy Techniques in Biometrics, Valentina E. Balas, Nicolaie Popescu-Bodorin, http://www.ieee-wcci2014.org/accepted-ss.htm
		10	31. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS: NN-29 Hybrid: *Advances, Applications and Practical Implementations of Neuro-Fuzzy systems*- Ahmad Taher Azar, Valentina E. Balas, Rajeeb Dey, http://www.ieee-wcci2014.org/accepted-ss.htm
		10	32. Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2015, Istanbul, http://fuzzieee2015.org/program/special-sessions/
		10	33Publicity Co-Chair la WCCI 2016, Vancouver, Canada, http://www.wcci2016.org/committees.php
		340	33.Organizator si General Co-Chair la The 4th IEEE International Workshop on Soft Computing Applications - SOFA 2016, 24-26 August 2016, Arad – Romania, http://trivent.hu/2010/sofa/, **(categoria C în ARC)** 34.Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2017, Neaple, Italy, 2017,

Recenzor la urmatoarele jurnale ISI:

1. Neurocomputing, ISSN 0925-2312, ISI impact factor: 2,102
2. IEEE Transactions on Fuzzy Systems, ISSN 1063-6706, ISI impact factor: 6,306
3. IEEE Transactions on Industrial Electronics, ISSN 0278-0046, ISI impact factor: 6,5
4. IEEE Transactions on Industrial Informatics, ISSN 1551-3203, ISI impact factor: 8,78
5. IEEE TSMC part B, Transactions on Systems, Man, and Cybernetics Part B,ISSN 1083-4419, ISI impact factor: 3,23
6. Journal of Intelligent and Fuzzy Systems, ISSN 1064-1246, ISI impact factor: 0,936
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Membra in International Committee la **WAC 2010** (World Automation Congress), 8th International Symposium on Soft Computing for Industry **ISSCI**, September 19-23 - Kobe, Japan, http://wacong.org/ , http://www.wacong.org/ISSCI2010.pdf

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Membra in Conference Program Committee la First International Symposium on Data-Driven Process Discovery and Analysis **SIMPDA 2011**, June 29-July 1st 2011, Campione d'Italia, Italy, http://sesar.dti.unimi.it/SIMPDA2011/

Membra in Program Committee la International Conference on Intelligent Healthcare – **ICIH 2011**, Interscience Institute of Management and Technology Bhubaneswar, 9-10 July, 2011, Bhubaneswar, India, http://www.interscience.ac.in/ICIH/icih.html , http://www.interscience.ac.in/ICIH/IAC.html

Membra in Technical Program Committee la International Multi-Disciplinary Conference on Systems, Sensors, Devices, and Information Technology, **S2DIT 2011**, 11-14 July 2011, Bucharest, Romania, http://www.bytematters.com/S2DIT/web/committee.html

				Membra in Program Committee la **INC2011:** The 7th International Conference on Networked Computing, 12-14 July, 2011, Beijing, China, http://www.humanpub.org/inc/scientific_members.html

Membra in International Program Committee la 3rd International Conference on Intelligent Decision Technologies, **KES IDT 2011**, University of Piraeus, 20-22 July 2011, Greece, http://idt-11.kesinternational.org/cmsIPCdisplay.php

Member in Program Committee la 2011 International Conference Uncertainty Reasoning and Knowledge Engineering, **URKE 2011**, Bali, Indonezia, 4-7 August 2011, http://www.iamsie.org/urke/committees.htm

Membra in Program Committee la International Conference on Applied Mechanics and Manufacturing Technology, **AMMT'11**, August 18-20, 2011, Jeju Island, Korea, http://www.iamsie.org/ammt/index.htm , http://www.iamsie.org/ammt/committees.htm

Membra in Program Committee la **European Intelligence and Security Informatics Conference** EISIC 2011, September 12-14, 2011, Athens, Greece, The Premier European Conference on Counterterrorism and Criminology, http://www.eisic.eu/committee.aspx

Membra in Program Committee la International Symposium on Open Source Intelligence & Web Mining 2011, **OSINT-WM 2011** in Conjuction with (European ISI 2011), 12-14 September, 2011, Athens, Greece, http://www.osint-wm.org/organization.html

Membra in Program Committee la KES'2011, 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 15th Annual KES Conference, Kaiserslautern, Germany, 12-14 September 2011, http://kes2011.kesinternational.org/cmsIPCdisplay.php

Membra in Scientific Committee la **MedDecSup 2011** (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 18-19 Septembre 2011, Tg. Mures, Romania, http://ncscs.upm.ro/scientific_committee.html

Membra in Program Committee la **FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS,** FedCSIS 2011**, Szczecin, Poland, 18 -21 September, 2011,** http://www.fedcsis.org/?q=node/13

Membra in Technical Program Committee la **VECIMS 2011 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 19-21 September 2011,** http://vecims2011.ieee-ims.org/vecims2011/2011/organizers

Membra in International Program Committee la 6th International Symposium Advances in Artificial Intelligence and Applications - **AAIA'11**, Szczecin, Poland, September 19-21, 2011
Celebrating 65th Birthday of Professor Bohdan Macukow, www.aaia.fedcsis.org

Membra in International Program Committee la WISP 2011, IEEE

			International symposium on Intelligent Signal Processing, 19-21 Septembre, Floriana, Malta, http://www.trivent.hu/WISP2011/
			Membra in Program Committee la **INC 2011**, 7th International Conference on Networked Computing, September 26-28, Gumi, Korea, http://www.humanpub.org/inc/scientific_members.html
			Membra in International Program Committee la NASTEC'2011, September 28-30, 2011, Rensselaer Polytechnic Institute, Troy, USA, http://www.eurosis.org/cms/index.php?q=node/1799
			Membra in International Program Committee la 2011 IEEE International Conference on Systems, Man, and Cybernetics, **IEEE SMC 2011**, October 9-12, 2011, Anchorage, Alaska, http://www.smc2011.org/ , http://sites.google.com/site/smc2011v/committees
			Membra in Program Committee la **ICMIA 2011**, 3rd International Conference on Data Mining and Intelligent Information Technology Applications, October 24 - 26, 2011, Macao, China, http://www.humanpub.org/icmia/scientific_members.html
			Membra in Program Committee la **NASNIT 2011**, 16th North-East Asia Symposium on Nano, Information Technology and Reliability, October 24 - 26, 2011, Macao, China, http://www.seita.or.kr/nasnit/scientific_members.html
			Membra in Program Committee la **NISS 2011**, 5th International Conference on New Trends in Information Science and Service Science, October 24-26, 2011, Macao, China, http://www.humanpub.org/niss/cfp.html
			Membra in Technical Program Committee la 4th International Conference on Emerging Trends in Engineering & Technology - **ICETET-11**, November 18-20, 2011, Mauritius, http://www.icetet.org/prog_committee.html
			Membra in Program Committee la 2nd Annual International Conference on Software Engineering- SE 2011, Special Track: Nanotechnology Software Tools (NST 2011), December 5-6 2011, Singapore, http://www.softwareng.org/Committee.html
			Membra in International Program Committee la 2011 International Workshop on Swarm Intelligence and Emergent Computing, **SIEC'11**, http://siwn.org.uk/cods11/siec11.htm **a**t the 5th International Conference on Complex Distributed Systems (CODS'2011), Mannheim, Germany, 5-7 December 2011, http://siwn.org.uk/cods11/
			Membra in International Committee la **International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2011**, **Dec 15-16, 2011, Jakarta, Indonesia,** http://icthc.theides.org/2011/index.htm

Membra in Academic Community ICGST, International Conference on Computer Science and Engineering **CSE-11**, **19 - 21 December 2011,** Istanbul**, Turkey,** http://www.icgst.com/con11/cse11/index.html, http://www.icgst-amc.com/institute/Community.aspx?InstId=3

Membra in Program Committee la Global Congress on Science and Engineering - **GCSE 2011**, December 28-30, 2011, Dubai, http://www.sie-edu.sg/gcse/com.htm

2012

Membra in Program Committee la 2012 International Conference in Green and Ubiquitous Technology (Green- Ubiquitous Tech, **GUT-2012**), 8-9 Martie 2012, Jakarta, Indonezia, http://www.gut-conf.org/index.htm

Membra in Program Committee la The 23rd Midwest Artificial Intelligence and Cognitive Science Conference, **MAICS 2012**, School of Computing Sciences and Informatics, University of Cincinnati on April 21-22, 2012, http://maics.org

Membra in Technical Program Committee la Workshop on Intelligent Decision Support Systems for Crisis Management, May 8-12, 2012 , Bãile Felix, Oradea, Romania, under the umbrella of the ICCCC 2012, http://icccc.univagora.ro/

Membra in International Program Committee la **KES IDT 2012**, Gifu, Japan, 23-25 May 2012, http://idt-12.kesinternational.org/cmsIPCdisplay.php

Membra in International Program Committee la SACI 2012, IEEE 7th International Symposium on Applied Computational Intelligence and Informatics, May 24-26, 2012 in Timisora, Romania, http://conf.uni-obuda.hu/saci2012/committees.htm, http://conf.uni-obuda.hu/saci2012/SACI2012_CFP.pdf

Membra in Program Committee la 9th International Conference on Fuzzy Systems and Knowledge Discovery, **FSKD 2012**, 29-31 May 2012, Chongqing, China, http://icnc-fskd.cqupt.edu.cn/program_committees.htm

Membra in International Committee la International Conference on Advances in Signal Processing and Communication – SPC**, organized by ACEEE USA Section, June 07-08, 2012 in Amsterdam, Netherlands,** http://spc.theides.org/2012/comm.htm

Membra in Program Committee la Special Session on Soft Data Analysis based Knowledge Discovery, FUZZ-IEEE'2012, at WCCI'2012, Brisbane, Australia, June 10-15, 2012, http://www.risk.tsukuba.ac.jp/~mika/WCCI2012.html
Membra in Intenational Scientific Committee la ISAR International E-Conference on Control Systems, Robotics and Automation, June 11 - 15, 2012, http://www.internationalsar.org/call2.html

| | | | | Membra in International Program Committee la IEEE 16th International Conference on Intelligent Engineering Systems 2012, **INES 2012**, 13-15 June 2012, Costa de Caparica, Lisboa, Portugal, http://www.ines-conf.org/ines-conf/2012committees.htm

Membra in International Program Committee la 6th IEEE International Conference on Digital Echosystems Technologies- Complex Environement Engineering, **IEEE DEST-CEE 2012**, Campione d'Italia, Italy, 18-20 June 2012, http://sesar.dti.unimi.it/DEST2012/index.php/program-committee

Membra in Program Committee la The Second Symposium on Data-Drive Process Discovery and Analysis, **SIMPADA**, Lugano Lake, Campione d'Italia, 18th to 20th of June, 2012, http://sesar.dti.unimi.it/SIMPDA2012/index.php?pagina=pc

Membra in International Program Committee la World Automation Congress, **WAC**, 2012 9th International Symposium on Soft Computing for Industry, **ISSCI 2012**, June 24-28 2012, Puerto Vallarta, MEXICO. http://wacong.org

Membra in Program Committee la International conference in Healthcare Informatics and Biomedical Engineering Systems, HIBES 2012, **Bandung Indonesia, 29-30 June, 2012,** http://www.hibes.org/committee.html

Membra in International Scientific Committee la ISAR International E-Conference on Control Systems, Robotics and Automation, June 11-15, 2012, http://www.internationalsar.org/call2.html

Membra in Program Committee la **ICIS2012**, June 26 - 28, 2012, Jeju Island, Korea, 5th International Conference on Interaction Sciences: IT, Human and Digital Content, http://www.aicit.org/icis/home/scientific_members.html

Membra in Technical Program Committee la **VECIMS 2012** IEEE International Conference on Virtual Environments Human-Computer Interfaces and Measurement Systems, 2-4 July, Tianjin, China, http://vecims2012.ieee-ims.org/vecims2012/2012/organizers

Membra in Scientific Committee la **MedDecSup 2012** (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 10-11 July, Sofia, Bulgaria, http://rcvt.tu-sofia.bg/meddecsup2012/index.html

Membra in Committee la The 4th International Conference on Networking and Digital Society, **ICNDS 2012**, 21-22 July, 2012, Guiyang, China, http://www.icnds.org/committees.htm

Membra in International Program Committee la The Six Global Conference on Power, Control and Optimization - **PCO'2012** in Las Vegas, Nevada, USA, 6-8th August 2012, http://www.pcoglobal.com/committee.htm

Membra in Program Committee la 31st **NAFIPS 2012** conference, 6-8 August, 2012, Berkeley, USA, http://www.ualberta.ca/~reformat/nafips2012/index.html |

				Membra in International Program Committee la NASTEC 2012, August 16-18, 2012, Digipen Institute of Technology, Redmond, USA, http://www.eurosis.org/cms/index.php?q=node/2090
				Membra in Scientific Committee la 12th WSEAS International Conference on APPLIED INFORMATICS AND COMMUNICATIONS, **AIC '12**, Istanbul, Turkey, August 21-23, 2012, http://www.wseas.org/wseas/cms.action?id=1458
				Membra in Committees la The 2012 International Conference on Electronic Engineering and Information Engineering **ICEI 2012**, Bandung, Indonesia, **22-23 August, 2012**, http://icei-conf.org/committees.html
				Membra in International Program Committee la European Intelligence and Security Informatics Conference (EISIC) 2012 August 22-24, 2012, Odense, Denmark, The Premier European Conference on Counterterrorism and Criminology, http://www.eisic.eu/committee.aspx
				Membra in Program Committee la 8th **ICCNT: 2012** International Conference on Computing and Networking Technology (8th INC, 2nd ICCIS and 2nd ICMIC), **August 27 - 29, 2012. Gyeongju, Korea,** http://www.aicit.org/iccnt/home/scientific_members.html
				Membra in Program Committee la International Symposium on Foundation of Open Source Intelligence and Security Informatics, **FOSINT-SI 2012**, in conjunction with ASONAM 2012, Istanbul, Turkey, August 27-28, 2012, http://uekae.tubitak.gov.tr/FOSINT-SI2012/organization.htm
				Membra in International Program Committee la Third International Conference on Emerging Security Technologies **EST 2012**, September 5-7, 2012, Lisbon, Portugal, http://www.est-2012.info/committees.htm
				Membra in Scientific Committee la 5th WSEAS International Conference on SENSORS and SIGNALS, **SENSIG '12**, Sliema, Malta, September 7-9, 2012, http://www.wseas.org/wseas/cms.action?id=1528
				Membra in Program Committee la 3rd IIAI International Conference on e-Services and Knowledge Management, **IIAI ESKM 2012**, September 20-22, 2012, Fukuoka, Japan Kyushu University, http://aai2012.iaiai.org/eskm2012/pc.html
				Membra in Scientific Committee la 12th WSEAS International Conference on ELECTRIC POWER SYSTEMS, HIGH VOLTAGES, ELECTRIC MACHINES, **POWER '12**, Prague, Czech Republic, September 24-26, 2012, http://www.wseas.org/wseas/cms.action?id=1200
				Membra in Scientific Committee la 8th WSEAS International Conference on REMOTE SENSING, **REMOTE '12**, Prague, Czech Republic, September 24-26, 2012, http://www.wseas.org/wseas/cms.action?id=1228
				Membra in Organizing Committee la World Congress on Forensic Research & Technology, Utilizing Science and Technology for Peace and Justice, October 15-17, 2012, Chicago, USA, http://www.omicsgroup.com/forensicresearch2012/committee.php
				Membra in Scientific Committee la 3rd International Conference on APPLIED INFORMATICS and COMPUTING THEORY, **AICT '12**, Barcelona, Spain, October 17-19, 2012, http://www.ieee.am/wseas/cms.action?id=709

				Membra in Scientific Expert Committee la **"Industrial Engineering and Environmental Protection"**, 31. October 2012, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia, http://www.tfzr.uns.ac.rs/ieep/scientific_committee.php

Membra in International Advisory Board la **ICETET-2012**, 5th International Conference on Emerging trends in Engineering and Technology, 5-7 November 2012, Himeji, Japan, http://www.icetet.org/

Membra in Scientific Committee la **1st WSEAS International Conference on CLOUD COMPUTING (CLC '12),** Vienna, Austria, November 10-12, 2012, http://www.wseas.org/wseas/cms.action?id=1142

Membra in Scientific Committee la 1st WSEAS International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS, **ITCN '12**, Vienna, Austria, November 10-12, 2012, http://www.wseas.org/wseas/cms.action?id=471

Membra in Program Committee la 3rd Annual International Conference on Software Engineering & Applications (SEA 2012), Nanotechnology Software Tools (NST 2012), 19 - 20 November 2012, Singapore, http://www.softwareng.org/Committee.html

Membra in Scientific Committe la European Conference of COMPUTER SCIENCE, **ECCS'12**, Paris, France, December 2-4, 2012, http://www.naun.org/wseas/cms.action?id=913

Membra in Scientific Committee la 3rd International Conference on COMMUNICATION and MANAGEMENT in TECHNOLOGICAL INNOVATION and ACADEMIC GLOBALIZATION, **COMATIA '12**, Paris, France, December 2-4, 2012, http://www.ieee.am/wseas/cms.action?id=1004

Membra in Scientific Committee la European Conference of CIRCUITS TECHONOLOGY AND DEVICES, **ECCTD '12**, Paris, France, December 2-4, 2012, http://www.naun.org/wseas/cms.action?id=827

Membra in Program Committee la 7th **ICCCT: 2012** International Conference on Computing and Convergence Technology (7th ICCIT, 3rd ICEI and 3rd ICACT), **December 3 - 5, 2012. Seoul, Korea,** http://www.aicit.org/iccct/home/scientific_members.html

Membra in International Advisory Committee la International Conference on Advanced Research in Engineering and Technology, ICARET 2012, **7-8 December, 2012,** Vijayawada, India, http://icaret12.com/International-Advisory-Committee.php

Membra in International Advisory Committee la International Conference on Artificial Intelligence and Soft Computing **AISC-2012**, 7th - 9th December 2012, Varanasi, India, http://itbhu.ac.in/cse/notification/brochure%20aisc.pdf

Membra in Team of The Center for Applied Social Sciences Research la International Conference on Advances in Management and Economics, **ICAME-**

2012, Kuala Lumpur (Malaysia) Between December 08 and 09, 2012, http://www.cassr.com/team

Membra in Program Committee la The first International Conference on Advanced Machine Learning Technologies and Applications, **AMLTA12**, Cairo, Egypt December 8-10, 2012, http://www.egyptscience.net/AMLTA12/

Membra in International Committee la **Second International Conference on Advances of Information & Communication Technology in Health Care –** ICTHC 2012, **Dec 13-14, 2012; Jakarta, Indonesia,** http://icthc.theides.org/2012/comm.htm

Membra in Editorial Committee la International Conference on Digital Contents and Applications **DCA 2012**, December 16-19, 2012, Kangwondo, Korea, http://www.sersc.org/DCA2012/index.php

Membra in International Committee la **Second International Conference on Advances of Information & Communication Technology in Health Care –** ICTHC 2012**, organized by ACEEE, 17-18 December, 2012, Kuala Lumpur, Malaysia,** http://icthc.theides.org/2012/index.htm

Membra in Scientific Committee la 3rd International Conference on Automotive and Transportation Systems, **ICAT '12**, Montreux, Switzerland, December 29-31, 2012, http://www.naun.org/wseas/cms.action?id=773

2013

Membra in International Advisory Committee la First International Conference on Instrumentation, Communication, Control and Automation – **ICICCA 2013**, Kalasalingam University, Kalasalingam Academy of Research and Education, Tamil Nadu, INDIA, 4th -5th January 2013, http://icicca2013.in/s_com.php

Membra in International Advisory Committee la International Conference on Computer Communication and Informatics, ICCCI 2013, 9-11 January 2013, Coimbatore, India, http://srishakthiinstitute.com/siet_iccci/index.php/sample-page/international-advisory-committee/, http://srishakthiinstitute.com/iccci/wp-content/uploads/2012/06/ICCCI_2013_poster.pdf

Membra in Scientific Committee la 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, **CSST '13**, Milan, Italy, January 9-11, 2013, http://www.wseas.org/wseas/cms.action?id=329

Membra in International Committee la 1st International Conference on Advance in Soft Computing and Vision Sciences, ICASCVS 2013, 2nd February, 2013, Puri, India,
http://www.irdindia.in/ICASCVS_Puri_Feb/Programme%20Committee.html
Membra in International Committee la 1st International Conference on

Instrumentation Communication, Control and Automation, ICICCA 2013,
17th February, 2013, Nagpur, India,
http://www.irdindia.in/ICICCA_Nagpur_Feb/Programme%20Committee.html

Membra in International Advisory Committee la INTERNATIONAL CONFERENCE
On INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS, **"ICICES 2013",** 21 and 22 February, 2013, Chennai, Tamilnadu, India,

Membra in International Committee la 1st International Conference on Metallurgical, Manufacturing and Mechanical Engineering, ICMMME 2013, 24 February 2013, Bangalore, India,
http://irdindia.in/ICMMME_Bangalore_Feb/Programme%20Committee.html
Membra in International Committee la 1st International Conference on Information and Industrial Electronics, ICIIE 2013, 24th February, 2013, Chennai, India, http://www.irdindia.in/ICIIE_Chennai_Feb/Programme%20Committee.html

Membra in Technical Advisory Committee la Second International Conference on Intelligent Interactive Technologies and Multimedia **IITM-2013**, Allahabad, March 9-11, 2013,
India, http://iitm.iiita.ac.in/committee_new.htm

Membra in International Committee Members la 1st International Conferene on Mechanics, Simulation and Control (ICMSC 2013), 24th March, 2013, Bangalore, India,
http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICMSC_Bangalore_Mar/Editioral%20Board.html

Membra in International Committee Members 1st International Conference on Recent Trends in Engineering & Technology (ICRTET 2013), 24th March, 2013, http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICRTET_Bangalore_Mar/Editioral%20Board.html

Membra in Program Committee la World **CIST'13** The 2013 World Conference on Information Systems and Technologies, March 27 - 30, Algarve, Portugal, http://www.aisti.eu/worldcist13/

Membra in International Program Committee la 1st International Conference on Advances in Computer and Information Technology ICACIT 2013, 31st March, 2013, Goa, India,
http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Goa/ICACIT_Goa_Mar/Editioral%20Board.html

Membra in International Committee Member la 1st International Conference on Mechanical and Production Engineering, ICMPE 2013, 14th April, 2013, Chennai,
http://itsocietyindia.org/Upcoming%20Conf.%20Chapter/Chennai/ICMPE_Chennai_Apr/Editioral%20Board.html

Membra in Program Committee la IEEE Symposium on Foundations of Computational Intelligence **FOCI 2013**, affiliated to IEEE SSCI 2013 , Singapore, April 15 – 19, 2013, http://www.matap.uma.es/foci2013/Main.html

Membra in Program Committee la 2013 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2013), Workshop on Robotic Intelligence in Informationally Structured Space, Singapore, April 15-19, 2013, http://www.ntu.edu.sg/home/epnsugan/index_files/SSCI2013/index.html,

Membra in International Committee Members la 2nd International Conference on Electronics Engineering and Grid System (ICEEGS 2013), 21st April, 2013, Mumbay, India, http://irdindiaoaj.in/ICEEGS_Mumbai_Apr/Programme%20Committee.html#

Membra in Academic Committee la the third   **International Conference on Recent Advances in Railway Engineering,** ICRARE2013**,** Iran University of Science and Technology, April 30, May 01, 2013, Tehran, Iran, http://icrare2013.iust.ac.ir/

Membra in Technical Program Committee la IEEE International Symposium on Medical Measurements and Applications, **MeMeA 2013**, 4-5 Mai, 2013, Gatineau, Quebec, Canada, http://memea2013.ieee-ims.org/memea2013/2013/organizers

Membra in International Program Committee la The **2013** International Conference on **C**ontrol, **D**ecision and **I**nformation **T**echnologies, CoDIT'13, **May 6-8, 2013, Hammamet, Tunisia,** http://www.hypersciences.org/codit13/index.php?option=com_content&view=article&id=27&Itemid=53

Membra in Program Committee la The International Conference on Information, Intelligent and Engineering Application, **ICIIEA 2013**, May 11-12, 2013 in Xi-An, China, http://www.iciiea.org/Committees.htm

Membra in Scientific Committee la 1st WSEAS International Conference on MECHANICAL and ROBOTICS ENGINEERING, **MREN '13,** Vouliagmeni, Athens, Greece
May 14-16, 2013, http://www.wseas.org/wseas/cms.action?id=2628

Membra in International Avisory Board la IEEE 8th International Symposium on Applied Computational Intelligence and Informatics, **SACI 2013,** May 23-25, 2013, Timisoara, Romania, http://conf.uni-obuda.hu/saci2013/committees.htm

Membra in IPC la The 12th International Conference on Engineering of Modern Electric Systems - **EMES'13** Oradea, http://electroinf.uoradea.ro/index.php/conferinte/emes-2013/sesiuni/23-cercetare/conferin%C5%A3e/48-sesiunea-cscs.html

Membra in International Committee la 3rdInternational Conference on "Emerging Trends in Engineering and Technologies, ICETET, 2nd June, 2013, New Delhi, India.
http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/New%20Delhi/ICETET_Delhi_Apr/Editioral%20Board.html

Membra in International Committee la **Second International Conference on Advances in Signal Processing and Communication – SPC, organized by**

ACEEE, SPC 2013, **June 21-22, 2013, Lucknow, INDIA,**
http://spc.theides.org/2013/index.htm

Membra in IPC la **SHUSER 2013,** IEEE Symposium on Humanities, Science and Engineering 2013 will be held in Parkroyal Penang Resort Hotel, Penang World Heritage City, Malaysia on 23 – 26 June 2013.

Membra In Program Committee la IFSA World Congress – IFSA-NAFIPS 2013**, 24-28 June, Edmonton, Canada,** http://www.ualberta.ca/~reformat/ifsa2013/committees.html

Membra in International Program Committee la KES IDT 2013, *5th International Conference* on Intelligent Decision Technologies, Sesimbra, Portugal, 26-28 June 2013, http://idt-13.kesinternational.org/cmsIPCdisplay.php

Membra in Steering Committee la International Conference on Machines and Control System Designs, ICMCSD'13, June 27- 28, 29, 2013, Jughourta Hotel, Gafsa-TUNISIA, http://www.icmcsd-13.com/index.php?var=7

Membra in International Advisory Committee la International Conference on Electrical, Electronics, Bio-informatics and Computer Science, **ICEEBCS 2013**, 7 July 2013, Pune, India, http://aras.co.in/About.html

Membra in International Program Committee la 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, **CIVEMSA 2013**, 15-17 July, Milan, Italy, http://civemsa2013.ieee-ims.org/civemsa-2013/organizers

Member in Technical Review Committee for **SCORED 2012** (2012 IEEE Student Conference on Research and Development).

Membra in Program Committee la The 5th International Conference on Networking and Digital Society, Guiyang, China during July 21-22, 2013, http://www.icnds.org/committees.htm , **Co-Sponsored by UAV.**

Membra in Program Committee la 7th IEEE International Conference on Digital Ecosystems and Technologies Special Theme - Complex Environment Engineering, IEEE DEST 2013, 24-26 July 2013 – Stanford, California, USA, http://dest2013.digital-ecology.org/index.php/organising-committee

Membra in Program Committee la **European Intelligence and Security Informatics Conference**, EISIC 2013, August 12-14, 2013, Uppsala, Sweden, The Premier European Conference on Counterterrorism and Criminology, http://www.eisic.org/committee.aspx

Membra in TPC la International Symposium on Women in Computing and Informatics, WCI-2013, August 23-24, 2013, Mysore, India, http://icacci-conference.org/site/wci2013

Membra in IPC la the 2nd International Conference on Advances in Computing, Communication and Informatics, ICACCI-2013, 22-25 August 2013, Mysore, India, http://icacci-conference.org/site/pcc

Membra in Technical Program Committee la **International Symposium on Control, Automation, Industrial Informatics and Smart Grid,** ICAIS 2013, **24-25**

August, Mysore, India, http://icacci-conference.org/site/icais2013-committee

  Membra in International Advisory Committee la 2nd International Conference on Information & Communication Engineering (ICICE-2013), 25[th]August, 2013, Bangalore, India, http://www.iciceasia.org/Program%20Committee.html

  Membra in Program Committee la International Symposium on Foundations of Open Source Intelligence and Security Informatics **FOSINT-SI 2013**, In conjunction with **ASONAM 2013**, Niagara Falls, Canada, August 26-27, 2013, http://fosint-si.cpsc.ucalgary.ca/Organization.php

  Membra in Program Committee la Third International Symposium on Data-Driven Process Dicovery and Analysis, **SIMPDA 2013**, 30 August, 2013 - Riva del Garda, Italy, http://sesar.dti.unimi.it/SIMPDA2013/index.php?pagina=pc

  Membra in Program Committee la IIAI International Conference on Advanced Applied Informatics (IIAI AAI 2013) - 4th International Conference on E-Service and Knowledge Management (ESKM 2013), August 31 - September 4, 2013, Matsue, Japan, Kunibiki Messe, http://aai2013.iaiai.org/

  Membra in Program Committee la Track 3: FUZZY SYSTEMS AND KNOWLEDGE MANAGEMENT de la 5-th INTERNATIONAL CONFERENCE ON INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS, **INCoS-2013**, XI`AN, CHINA SEPTEMBER 9 - 11, 2013, http://voyager.ce.fit.ac.jp/conf/incos/2013/committees.html

  Membra in International Program Committee la 8th International International Symposium on Intelligent Signal Processing, **WISP 2013** Funchal (Madeira), 9-11 September 2013, http://trivent.hu/WISP2013/index.php?p=chairs

  Membra in Program Committee la The 8th conference of the European Society for Fuzzy Logic and Technology ,**EUSFLAT-2013**, 11-13 September 2013, Milano, Italy, http://www.ir.disco.unimib.it/eusflat2013/committees/

  Membra in Program Committee la 8th International Conference on Soft Computing Models in Industrial and Environmental Applications, **SOCO13**, 11-13 September 2013, Salamanca, Spain, http://soco.usal.es/?q=node/3

  Membra in Program Committee la 5th ICT Innovations Conference 2013, Ohrid, Macedonia, 12-15 Septembrie 2013, http://ict-act.org/index.php/programme-committee

  Membra in Technical Committeee la THE 4th INTERNATIONAL CONFERENCE CONFLUENCE 2013**, The Next Generation Information Technology Summit, **26th - 27th Sept. 2013**, Amity University Uttar Pradesh, India, http://www.amity.edu/asetau/confluence2013/committees.html

  Membra in International Committee la IIAI International Conference on Adva AAI 2013), 4th International Conference on E-Service and Knowledge Management (E September 4, 2013, Matsue, Japan, Kunibiki Messe, http://aai2013.iaiai.org/eskm.html

  Membra in Scientific Committee la *EMMIT 2013,* Euro-Mediterranean Medical Informatics and Telemedicine 9th International Meeting e-Health and Telemedicine in Mediterranean Countries October 21-23, 2013 - Nador, Morocco,

				http://www.msfteh.org/telemed2013/program/program-committee/

Membră în Program Committee la **ICTAI-13**, IEEE International Conference on Tools with Artificial Intelligence (ICTAI) – 2013, 4- 6 November, 2013, Washington DC, USA, http://www.cs.wright.edu/atrc/ictai13/committees.html

Membra in Program Committee la The 2013 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'13) will be co-located with WI'2013 and will be held in Atlanta, Georgia, USA on November 17-20, 2013, http://www.cs.gsu.edu/wic2013/

Membra in Scientific Program Committee la **WILF 2013** 10th International Workshop on Fuzzy Logic and Applications, Casa Paganini - Genoa (Italy) - November 19-22, 2013

https://sites.google.com/site/2013wilf/   , https://sites.google.com/site/2013wilf/commitees-1

Membra in Technical Program Committee la **Sixth International Conference on Intelligent Computing and Information Systems, ICICS 2013, 14-16 December, 2013, Faculty of Computer &Information Science (FCIS), Ain Shams University, Cairo, Egypt,** http://net2.shams.edu.eg/icicis/2013/index.php?option=com_content&view=article&id=2&Itemid=4

Membra in International Advisory Board la World Congress & 6th International Conference on Emerging Trends in Engineering & Technology, **ICETET 2013,** December 16-18, 2013, Nagpur, India, http://www.icetet.org/CFP%20icetet-13%20new1.pdf

2014

Membra in International Advisory Committee la 8th International Conference on Intelligent Systems and Control Theme: Green Challenges and Smart Solutions, **ISCO 2014**, 10-11 January 2014, Coimbatore, Tamilnadu, India, http://www.kceisco.com/committeemembers.php

Membra in International Advisory Board la International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Sciences (ICIREMPS) – 2014, 20 – 22, February 2014, Bhopal, India, http://sirtbhopal.ac.in/iciremps/int_adv_board.html

Membra in International Technical Committee la International Conference on Research&Development in Computational and Information Technology, ICRDCIT-2014, 7-8 March 2014, Gaizabad, India, http://www.icrdcit14.in/international-technical-committee.html

Membra în Technical Program Committee la The first International Symposium on Signal Processing and Intelligent Recognition Systems **SIRS-2014,** March 13-15, 2014, Thiruvananthapuram, Kerala, India,

http://www.iiitmk.ac.in/sirs/ipc.html

Membra in Advisory Committee la INTERNATIONAL CONFERENCE 2014 POWER AND ENERGY SYSTEMS: TOWARDS SUSTAINABLE ENERGY (PESTSE 2014), Martie 13-15, 2014, Amrita School of Engineering, Bangalore, India,
http://www.eventm.net/pestse2014/ADVISORY%20COMMITTEE?cplid=18&parent=2

Membra in International Advisory Committee la International Conference On Recent Trends in Engineering and Management Science (RTEM 2014), 20th April, 2014, Nagpur, India, http://icemnagpur.co.in/Brochure.pdf

Membra in International Advisory Committee la International conference On Applications of Artificial Intelligence and Soft Computing, Techniques in Engineering and Technology (AASTE-2014), 27th April, 2014, Goa, India, http://aaste.bigdataforum.in/Brochure.pdf

Membra in International Advisory Committee la International Conference on Advances in Computing, Communications and Informatics(ICACCI 2014), 30th April, 2014, Chennai, India,
http://irdindia.in/apr_chennai14_icacci/brochure.pdf

Membra in International Advisory Committee la International Conference on Advanced Electrical Engineering and Computer Theory – ICAEECT – 2014, 4th May 2014, Ooty, Tamilnadu, India, http://icaeect.co.in/Brochure.pdf

Membra in International Advisory Committee la IEEE International Sympozium on Applied Computational Intelligence and Informatics, **SACI 2014**, 15-17 May 2014, Timisoara, Romania, http://conf.uni-obuda.hu/saci2014/SACI2014_CFP.pdf

Membra in International Advisory Committee la International Conference on Electrical, Electronics and Computer Science Engineering (ICEECSE-2014) 2th May, 2014, Pune, India,
http://itsocietyindia.org/Pune_ICEECSE_May/Brochure.pdf

Membra in Program Committee la **INISTA 2014 International Symposium on
INnovations in Intelligent SysTems and Applications** June 23-25, 2014, Alberobello, Italy, http://www.inista.org/committees.php

Membra in Technical Program Committee la 18th International Conference on Intelligent Engineering Systems 2014, **INES 2014**, July 3-5, 2014 in Tihany, Hungary, http://www.ines-conf.org/ines-conf/2014.html

Membra in Program Committee la WCCI – World Congres on Computational Intelligence, **2014 IEEE International Conference on Fuzzy Systems,** FUZZ-IEEE 2014, **6-11 July 2014, Beijing, China,** http://www.ieee-wcci2014.org/FUZZ-IEEE%20Program%20Commitee.htm

Membra in Committee la 6th International Conference on Networking and Digital Society, **ICNDS 2014**, July 26-27, 2014, Guiyang, China,

Membra in Technical Program Committee la 2nd World Congress on Multimedia and Computer Science WCMCS 2014, 9-11 August, Hammamet, Tunisia, http://worldcmcs.com/OrgCommittees.php

Membra in Technical Committee la SAI Conference 2014, **Science and Information Conference 2014,** August 27-29, 2014, London, UK, http://thesai.org/SAIConference2014/Committees

Membra in Technical Program Committee la International Conference on Industrial Automation, Information and Communication Technology, IAICT, 28-30 August 2014, Bali, Indonesia, http://iaict.org/organizer/comittee/
Membra in Technical Program Committee la Science and Information Conference SAI 2014, 27-27 August 2014, London, UK, http://thesai.org/Downloads/SAIConference2014/SAI%20Conference%20Program.pdf

Membra in Technical Program Committee la 5th IIAI International Conferenc Management, IIAI-ESKM 2014, August 31 - September 4, 2014, Kitakyushu, Japan, h
Membra in Technical Advisory Committee la CDMIC-2014, **International Co Intelligent Computing 2014**, 5-6 September 2014, Delhi, India, http://igit.ac.in/ICDM
Membra in International Program Committee la 6th Győr Symposium and 3rd Romanian Joint Conference on Computational Intelligence, 15-17 September 2014, Gy http://6thconfci.sze.hu/committee

Membra in Program Committee la The 5th Annual International Conference Competitive Strategies (ICT 2014), Special Track on Software Engineering & Applicat Singapore, http://www.softwareng.org/Committee.html

Membra in Program Committee la 3rd International Conference on Advances i and Informatics, ICACCI-2014, Delhi, India, September 24-27, 2014, http://icacci-con

Membra in Program Committee la Second International Symposium on Women 2014, Delhi, India, September 24-27, 2014, Delhi, India, September 24-27, 2014, http:/ conference.org/website/sites/default/files/WCI_2014-cfp_for_web.pdf

Membra in Comitetul Stiintific la **Les Actions de Coopérations Internationales Recherche en Génie Beyrouth,** CONF 2014, **Liban - 16 à 18 Octobre 2014,** http://cit
Membra in Program Committee la 1st International Conference on Future RFID T Workshop on Smart Applications for Smart Cities Eger, Hungary, 6-7 November, 2014

Membra in International Committee la IEEE International Conference on Tools with Artificial I
2014, 10-12 November 2014, Limassol, Cyprus, http://ictai2014.cs.ucy.ac.cy/index.php?p=Program

Membra in Technical Program Committee la International Conference of Contemporary Comp
Informatics, 27-29 November 2014, Mysore, Karnataka, India, http://ic3i.org/tpc.html

Membra in Steering Committee la 2014 IEEE 17th International Multi Topic Conference (IN
December 2014, Karachi, Pakistan,
http://ieee.inmic.org/index.php?option=com_content&view=article&id=91&Itemid=70

Membra in Award Committee la The 18th Online World Conference on Soft Computing in I
Applications World Wide Web, WSC 18, 1-12 December 2014
http://www.fti.itb.ac.id/wsc18/award-commitee

Membra in International Advisory Committee la International Conference on Computational Intellig
Mining (ICCIDM-2014), 8-10 December 2014, Burla, Odisha, http://www.iccidm.in/advisory_comn

2015

Membra in Technical and Scientific Committee la Retcomp 2015, Recent & Emerging Trends
Computational Sciences, 8-10th January, 2015, Bangalore, India, http://retcomp15.pesseacm.org/con

Membra in Technical Program Committee la Conference Research and Fuzziology, January 29
Shanghai, China, http://www.scirp.org/Conference/OrganizingCommittee.aspx?ConferenceID=71

International Collaboration Committee Chair la IEEE INTERNATIONAL CO
COMPUTATIONAL INTELLIGENCE & COMMUNICATION TECHNOLOGY, 13-14 Feb
Engineering College, Ghaziabad, India, http://www.ieeekerala.org/wp-content/uploads/2014/08/C
CICT-2015.pdf

Membra in International Advisory Committee la International Conference on Recent Research o
Communications & Informatics (ICRRCCI-2015), 27-28 February 2015, in Dr. Virendra Swarup G
Unnao, Uttarpradesh Pradesh, India, http://icrrcci.com/?page_id=38

Membra in Advisory Committee la International Conference on Emerging trends in Manufactu
Modelling, ICEMEM-2015, 27 & 28 - Feb -2015, Organised by
Department of Mechanical Engineering SVKM'S NMIMS, Mukesh Patel School of Technology Ma
Engineering, Shirpur, Dhule District, Maharashtra, India, http://www.icemem.com/advisory-commit

Membra in IPC la **International Conference on Recent Trends in Technology Research – ICRT**
held during **Mar 6-7, 2015 in Visakhapatnam, India,** http://icrttr.in/committees/

Membra in Technical Committee la Third International Conference on Recent Trends in Comp
(ICRTC2015) in SRM University, Delhi-NCR Campus on 12th - 13th March, 2015,
http://www.icrtc.org/Committee.html

Membra in International Program Committee la International Conference on Recent Trends in
Research – **ICRTTR 2015**, March 21-22, 2015, Visakhapatnam, India, http://icrttr.in/committees/

Membra in Advisory Committee la International Conference on Computational Intelligence 20
10 April 2015, Sethu Institute of Technology, Kariapatti, Virudhunagar Dt. , Tamilnadu, India,
http://sethu.ac.in/icci/committee.html

Membra in Technical Program Committee la The First International Conference on

Data, Linked Data and Open Data, ALLDATA 2015, April 19 - 24, 2015 - Barcelona

http://www.iaria.org/conferences2015/ComALLDATA15.html

Membra in Technical Program Committee la Asia Pacific Conference on Multimedia and Broa

APMediaCast 2015, Bali, Indonezia, 23-25 April 2015, http://apmediacast.org/committees/

   Membra in International Scientific Committee la 3rd International Conference on Control, En[..] Information Technology **CEIT'2015** which will be held in Tlemcen, Algeria, 25-27 May, 2015, http[..] tlemcen.dz/ceit2015/committees.php

   Membra in Scientific Committee la The 20th International Conference on Control Systems and [..] (CSCS20-2015) Bucharest, Romania, May 27-29, 2015, http://cscs20.acs.pub.ro/committees-2/

   Membra in Program Committee la 2ND INTERNATIONAL DOCTORAL SYMPOSIUM ON A[..] COMPUTATION AND SECURITY SYSTEMS, ACSS 2015, MAY 2015, KOLKATA, INDIA, http://acss.cucse.org/committee.html

   Membra in Technical Program Committee la "The 13th International Conference on Engineerin[..] Electric Systems", 11-12 June 2015, in Oradea, http://www.icemes.ro/emes_15_tpc.html

   Membra in International Program Committee la 4th International Conference on Informatics, E[..] (ICIEV), 15~18 June, 2015, Kitakyushu International Conference Center, Fukuoka, Japan, http://cennser.org/ICIEV/committee.html

   Membra in Technical Program Committee la The 3rd **International Symposium on Women i[..] Informatics (WCI-2015)**, 10-13 August 2015, Kochi, India, http://icacci-conference.org/web/wci-c[..]

   Membra in Technical Program Committee la The International Symposium on Intelligent Sys[..] and Applications (ISTA'15), 10-13 August 2015, Kochi, India, http://icacci-conference.org/ista2015[..]

   Membra in Technical Program Committee la 2015 12th International Conference on Fuzzy Sys[..] Knowledge Discovery (FSKD'15), 15-17 August 2015 in Zhangjiajie, China, http://icnc-fskd.hnu.edu.cn/program_committees.htm

   Membra in Technical Program Committee la International Conference on Control, Electronics [..] Energy, and Communications 2015, **ICCEREC** 2015, 27-29 August 2015, Bandung Indonesia, http://iccerec.org/?page_id=10

   Membra in Program Committee la 7th Balkan Conference in Informatics, **BCI 2015**, Septemb[..] Craiova, Romania, http://bci2015.bci-conferences.org/pc.html

   Membra in Program Committee la 2015 IEEE International Symposium on INnovations in [..] Intelligent SysTems and Applications, September 2-4, 2015, Madrid, Spain, http://www.inista.org/c[..]

   Membra in Technical Program Committee la 19th IEEE International Conference on Intelligent Engineering Systems 2015, Bratislava, Slovakia, September 3-5, 2015, http://www.ines-c[..] conf/CFP_INES2015.pdf

   *Membra in International Program Committee la 19th International Conference on Knowledge[..] Intelligent Information & Engineering Systems, **KES 2015**, 9-11.09 2015, Singapore, http://kes2015.kesinternational.org/cmsIPCdisplay.php*
   Membra in Program Committee la 7th ICT Innovations Conference, Ohrid, Macedonia, 1-4 Oc[..] http://ictinnovations.org/ict-innovations-2014/programme-committee

   Membra in Program Committee la The Second International Conference on Information Syste[..] Response and Management in Mediterranean Countries (ISCRAM-med 2015), Tunis, 28-30 October[..] http://www.riadi.rnu.tn/iscrammed2015/programCom.php
   Membra in International Program Committee la International Conference on Research in Co[..] Intelligence and Communication Networks (ICRCICN 2015), 20-22 November 2015, Kolkata, India,[..] http://www.icrcicn.in/committee.html
   Membra in la 2015 IEEE Symposium Series on Computational Intelligence SSCI, Symposiu[..] of Computational Intelligence, FOCI'15, IEEE, 7–10 December 2015, Cape Town, South Africa, ht[..] ssci.org.za:8080/FOCI

2016

| | | | | Membra in Technical Program Committee la 2016 IEEE First International Conference on Measurement and Instrumentation (CMI 2016), January 8-10 2016, Kolkata, India, https://www.cmi2016india.org/technical-programme-committee.html

Membra in Steering Committee la PESTSE-2016, Biennial International Conference on Po Systems: Towards Sustainable Energy 2016, 21-23 January 2016. Bangalore, India. https://www.amrita.edu/site/pestse2016/steeringcomm.htm

Membra in Technical Committee la   2nd ICICT 2016 (Sponsored by :IEEE-UP Section)
Second-International Conference on Computational Intelligence and Communication Technology
12-13 February 2016, ABES Engineering College, Ghaziabad, http://cict.abes.ac.in/committee.php

Membra in Internationaly Advisory Board la the IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI 2016), May 12-14, 2016 in Timisoara, Romania, http://conf.uni-obuda.hu/saci2016/committees.html

Membra in Program Committee la 2016 International Symposium on Innovations in Intelligent Systems and Applications, 2-5 August 2016, Sinaia, Romania, http://www.inista.org/pc.html

Membra in International Advisory Committee la India International Conference on Information Processing-2016, Delhi, 12-14, August, 2016, http://dtu.ac.in/iicip-2016/committee.html

Membra in International Advisory Committee la India International Conference on   Information Processing 2016, Delhi, 12-14 August 2016, http://dtu.ac.in/iicip-2016/committee.html

Membra in Technical Program Committee la 2016 International Conference on Computer Science and Artificial Intelligence (CSAI 2016), August 13-14, 2016, Guilin, China, http://www.csai2016.org/committee.html

Membra in International Program Committe la IEEE 8th International Conference on Intelligent Systems: acronym IEEE IS'16, Sofia, Bulgaria, September 4-6, 2016, http://www.ieee-is.org

Membra in Avisory Board la 5th International Conference on Reliability,Infocom Technologies and Optimization(ICRITO 2016), September 07-09,2016 Amity University Uttar Pradesh (AUUP), Noida, India, http://icrito.aconf.org/committee.html

Membra in Technical Program Committee la International Conference on |

Control, Electronics, Renewable Energy, and Communications 2016 (ICCEREC 2016), 13-15 September 2016, Bandung Indonesia, http://iccerec.org/?page_id=10

Membra in Technical Program Committee la 4th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2016), 22-24 September 2016, Rourkela, Odisha, India, http://www.icacni.com/committee

Membra in Technical Committee la 2016 IEEE International Conference on Imaging, Vision & Pattern Recognition (icIVPR), 20~21 Sept., 2016, University of Dhaka, Dhaka, Bangladesh, http://cennser.org/icIVPR/committee.html

Membra in Technical Program Committee la SAI Intelligent Systems Conference, 20-22 Septembrie 2016, Londra, UK, http://saiconference.com/IntelliSys2016/Committees

Membra in Technical Committee la The International Conference on Engineering & MIS 2016 will take place in Agadir, Morocco, 22-24 September, 2016, http://www.iares.net/Committee

Membra in Scientific Committee la International Conference Industrial Engineeringa and Environment Protection, 14 Octombrie2016, Zrejnanin, Serbia, http://www.tfzr.uns.ac.rs/iizs/scientific_committee.php

Membra in International Program Committee la The 2nd International Conference on Advanced Intelligent Systems and Informatics (AISI'16) Cairo Univeristy, Egypt October 24-26, 2016, http://egyptscience.net/AISI2016/committees.html

Membra in Technical Program Committee la 2016 Asia Pacific Conference on Multimedia and Broadcasting (APMediaCast 2016), November 17-19, 2016, Bali, Indonesia, http://apmediacast.org/committees/

Membra in Technical Program Committee la International Conference on Recent Advancement in Computer, Communication and Computational Sciences(ICRACCCS-2016), Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, INDIA during 25-26 Nov 2016, http://racccs.com/technical.php#technical

Membra in Technical Program Committee la Future Technology Conference FCT 2016, 6-7 Decembrie 2016, San Francisco, USA, http://dtu.ac.in/iicip-2016/index.html

Membra in Advisory Committee la International Conference on Data Science Analytics and Applications (DaSAA 2016), 7-9 Decembrie 2016, Anna University, Chennai, India, http://www.dasaa.in/AdvisoryC.html

Membra in Technical Program Committe la International Conference on Opemn Source Systems and Technologies, 15-17 Decembrie, Lahore, Pakistan, http://icosst.kics.edu.pk/2016/main/tech_prog

Technical Program Committee la Sesiunea Modeling, Simulation and Application of Emergent Technologies, 14th International Conference on Frontiers of Information Technology (FIT'16), December 19-21, 2016 at Islamabad, Pakistan, http://fit.edu.pk/index.php/component/content/article/2-uncategorised/33-contact-us

International Scientific Committee la ICQCIS 2016: 18th International Conference on Quantum Computation and Intelligent Systems, Dubai, UAE, 27-28 December 2016, https://www.waset.org/conference/2016/12/dubai/ICQCIS/committees

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Membra in Advisory Committee la International Conference on Data Science Analytics and Applications (DaSAA 2017), 4-6 January 2017, Cennai, India, http://www.dasaa.in/AdvisoryC.html

Membra in Technical Program Committee Mathematic track la The Third International Conference on Mathematics and Computing (ICMC 2017) is a premier conference which is being organized during January 17-21, 2017 at Haldia Institute of Technology, India, http://hithaldia.co.in/icmc2017/prgcomittee.html

Membra in International Advisory Committee la 3rd IEEE International Conference on Computational Intelligence & Communication Technology, 12-13 feb, 2017, Ghaziabad, India, https://groups.google.com/forum/#!topic/rvceiemstaff/IhkNTTZPESo

Membra in International Program Committee la International Conference on Imaging, Vision & Pattern Recognition (icIVPR), 13-14 Feb. 2017, University of Dhaka, Dhaka, Bangladesh, http://cennser.org/icIVPR/committee.html

Membra in International Advisory Committee la First International Intellectual Convergence on Advances in Science and Engineering, IIASE 2017, 3-4 march 2017, Chenai, India, http://iiase.in/organizer.html

Membra in International Advisory Body la 1st Conference on Technology, Business & Education (CTBE 2017) March 7-10, 2017, in Quaid-e-Azam Institute of Arts & Sciences (QIAAS Lahore), Pakistan, http://qiaas.edu.pk/ctbe2017/

Membra in Advisory Committee la International Conference on Soft Computing Applications in Wireless Communication - SCAWC 2017. March 09-11, 2017 at Guru Nanak Dev Engineering College, Ludhiana, Punjab, India, http://scawc.theides.org/com.html

Membra in International Advisory Committee la First International Conference on
Computational Intelligence, Communications, and Business Analytics (CICBA-2017), March 24-25, 2017, Calcutta, India, http://cicba-2017.in/cicba_committee.aspx

Membra in International Reviewing Committee la International Conference on Communication, Management and Information Technology (ICCMIT'17), 3-5 Aprilie 2017, Warsaw, Polonia, http://www.iccmit.net/committees17.html

Membra in International Advisory Committee la - IIC-STEMPH'17, International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities organized by Innovative Research Publication, DAV Institute of Engineering & Technology, India in collaboration with Prof Ma Moade(Nanyang Technological University, Singapore), 22-23 April 2017, http://www.iicemp.com/EditorialBoard.aspx

Membra in Technical Progarm Committee la International Conference on Engineering & MIS 2017, Monastir, Tunisia, 08-10 May, 2017, http://www.iares.net/Committee2017

Membra in Academic Committee la "5th International Conference on Recent Advances in Railway Engineering", Tehran, Iran, 15-16 May 2017, http://icrare2017.iust.ac.ir/page/20/Academic-Committee

Membra in Technical Program Committee la 14th International Conference on Engineering of Modern Electric Systems, (ICEMES 2017), Computer Science and Control Systems Session, May 2017, Oradea, Romania, http://www.icemes.ro/icemes2017/technical-programme-committee.html

Membra in Technical Program Committee la 5th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2017), 1-3 iunie 2017, Goa, India, http://www.icacni.com/committee

Member in the International Advisory Committee la International Conference in Communication, Devices and Networking (ICCDN 2017), organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Majhitar, Sikkim, India 3-4th June, 2017, http://www.ecesmit.org.in/ICCDN-2017/committee.html

Membra in Technical Committee la   The 6th 2017 IEEE International

Congress on Big Data (BigData Congress 2017), 25-30 June, 2017, Honolulu, Hawai, USA, http://www.ieeebigdata.org/2017/organization.html

Membra in Program Committee la INISTA**2017** 2017 IEEE International Conference on Innovations in Intelligent SysTems and Applications, 3-5 July 2017, Gdynia, Poland, http://inista.org/program-committee.php

Membra in Technical Committee la International Conference on Computer, Communication and Computational Sciences (IC4S- 2017), held at Swissôtel Resort Phuket Patong Beach, Thailand during 8-9 July 2017, http://ic4s.in/index.html

Membra in Advisory Committe la IEEE International Conference on Signal Processing and Communication – ICSPC\'17, July 28-29 2017 Coimbatore, Tamil Nadu, India, http://www.karunya.edu/ece/icspc17/advcomm.html

Membra in Technical Program Committee la The 2017 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2017), 29-31 July 2017, Guilin, China, http://icnc-fskd.guet.cn/icnc_fskd/program_committees.htm

Membra in International Program Committee la 2017 International Conference on Intelligent Computing, August 7-10,2017, Liverpool,UK, Special Sessions,
http://ic-ic.tongji.edu.cn/2017/Special%20Session.htm

Membra in Technical Committee la 4th International Conference on Advances in Biology and Chemistry (ICABC 2017), 21-23 August 2017, Singapore, http://www.icabc.org/com.htm

Membra in Technical Committee la 2nd International Conference on Recent Advancements in Computer, Communication and Computational Sciences (RACCCS- 2017**)**, Aryabhatta College of Engineering & Research Center, Ajmer, India during September 2-3, 2017, http://racccs.worldconf.in/technical.php#technical

Membra in Scientific Committee la International Engineering Research Symposium, UMAS'17, Düzce University, Turkey, 11-13 September, 2017, http://umas.duzce.edu.tr/Sayfa.aspx?id=7

Membra in Program Committe la Fourth International Symposium on Computer Vision and the Internet (VisionNet'17), September 13-16, 2017, Manipal, India, http://icacci-conference.org/visionnet2017/committee.html

Membra in Technical Program Committee la 2017 2nd International Conference on Automation Sciences (ICOAS 2017), Phnom Penh, Cambodia, September 14-16, 2017, http://www.icoas.org/committee.html

Membra in Program Committee la 9th International Conference ICT Innovations 2017, 18- Skopje, R. Macedonia, http://ictinnovations.org/ict-innovations-2017/programme-committe

Membra in International Advisory Committee la 6th INTERNATIONAL on Reliability, Infocom Technologies and Optimization (ICRITO 2017), (Trends and September 20-22 ,2017, Noida, India, http://www.amity.edu/aiit/icrito2017/comm.html

Membra in Steering Committee la The 5th International Conference on Electrical, Electronics and Information Engineering (ICEEIE 2017) organized by Electrical Engineering Department, Universitas Negeri Malang (State University of Malang) Indonesia, 6-8 October, 2017, http://elektro.um.ac.id/iceeie/2017/committee

Membra in Technical Program Committee la The First International Conference on Computing and Communication Technologies for Smart Nation (IC3TSN 2017), 12-14 October 2017 at G D Goenka University, Gurgaon, http://ic3tsn-conference.org/2017/#tpc

Member in International Advisory Committee la 2nd International Conference on Conscientious and Unimpeachable Technologies 2017 on 14th October 2017 at St. Andrews Institute of Technology and Management Gurugram, India, http://www.iiir.co.in/iccut2017/main.php#team

Membra in Technical Program Committee la 2017 International Symposium on Computer Science and Intelligent Controls (ISCSIC 2017), Budapest, HUNGARY, on Oct.20-22, 2017, http://www.iscsic.org/

Membra in Advisory Team la 1st International Conference on Data, Engineering and Applications 2017 (IDEA-2k17), October 28-29, 2017 Bhopal, India, http://ideaconference.in/Commiittee.html

Membra in Technical Program Committee la International Conference on Information Technology and Applied Mathematics (ICITAM 2017), October 30-Nvember 01, 2017, Haldia Institute of Technology, India. http://www.hithaldia.co.in/icitam2017/site.php?id=6

Membra in Technicap Program Committee la International Conference Data and Information Sciences ICDIS 2017, 3-4 Noiembrie 2017, ndira Gandhi National Tribal University, Amarkantak, M.P. , India, http://www.icdis.info/committee/technical/

Honorary Advisory Chair si Membra in Advisory Committee la the 4th International Conference on Computational Intelligence in Data Mining (ICCIDM-2017), 11-12 November 2017, Burla, Odisha, India, http://www.iccidm.in/committee.php

Membra in Technical Program Committee la FCT – Future Technologies Conference 2017, Vancouver, Canada 29-30 November 2017, http://saiconference.com/FTC2017/Committees

Membra in Advizory Committee la ICCI-2017, 2017 International Conference on Computational Intelligence: Theories, Applications and Future Directions, December 6th - 8th, 2017, Indian Institute of Technology Kanpur, India, http://www.iitk.ac.in/idea/ICCI2017/committee.html

Membra in Advisory Committee la International Conference on Computing Analytics and Networking,15-16 December, Bhubaneswar, Odisha, India, http://iccan.in/steering-committee.html

Membra in Technical Program Committee la 15th International Conference on Frontiers of Information Technology (FIT'17), December 18-20, 2017, Islamabad, Pakistan, http://fit.edu.pk/index.php/technical-program-committee

Membra in Technical Program Committee la 2017 International Conference On Infocom Technologies and Unmanned Systems (ICTUS'2017), (Trends and Future Directions), December 18-20, 2017, Dubai, http://www.amity.edu/aiit/ictus2017/comm.html

Membra in Advisory Committee la 2017 IEEE International (biennial) Conference on "Technological Advancements in Power & Energy- TAP Energy 2017, Amritapuri, Kerala, December 21-23, 2017. https://www.amrita.edu/event/ieee-international-conference-technological-advancements-power-and-energy-tap-energy-2017

Membra in Advisory Committee la International Conference on Computational Systems and Information Technology for Sustainable Solution 2017, 21-23 Decembrie 2017, Bengaluru, India, http://www.csitss2017.rvce.edu.in/csitss2017/committee.html

Program Chair la Fourth International Conference on Intelligent Computing & Applications 2017 (ICICA 2017), 22-23 December 2017 Cennai, India, http://icica.info/committees.html

Membra in Steering Committee la The 5th International Conference on Electrical, Electronics and Information Engineering (ICEEIE 2017) is organized by Electrical Engineering Department, Universitas Negeri Malang (State University of Malang) supported by its partners which is to be held in Malang (Indonesia), http://elektro.um.ac.id/iceeie/2017/committee

2018

Membra in Advisory Board la 52nd Annual Convention of Computer Society of India (CSI 2017) Kolkata, 19th January to 21st January 2018, http://csi2017.in/advisory-board/

Membra in Technical Program Committee la 2018 International Conference on Signal Processing and Information Communications, Seoul, Korea, January 21-23, 2018, http://www.icspic.com/index.html

			Membra in Technical Program Committee la International Conference on Computer Vision and Image Analysis applications (ICCVIA' 2018), 28-30 Ianuarie, 2018, Cairo, Egypt, http://iccvia.org/tpc/ Technical Program Chair la ICBDCI'18 - International Conference on Big Data & Computational Intelligence, 16-18 Februarie, 2018, Goa, India, http://www.icbdci.org/committee/committee.html
	Total	**2226**	
A3.3.3	Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizare de manifestari stiintifice naţionale şi internaţionale neindexate	**39**	**Selecţie** **Editor şef** al Scientific and Technical Bulletin, Series: Electrotechnics, Electronics, Automatic Control and Computer Science, al Universitatii „Aurel Vlaicu" din Arad, din **2004, ISSN 1584-9198,** http://www.uav.ro/en/journals/stb-eeaccs . **Editor Şef** la volumul Proceedings of International Symposium *Research and Education in Innovation Era*, Section 3, *Engineering Processes and Technology, Electrical,* Arad, 16-18 November **2006**, ISBN: 9978-973-752-110-1. Organizator al Secţiunea 3*, Engineering Process and Technology, Electrical, Mechanical and Textile Engineering* la International Symposium *Research and Education in Innovation Era, 16-18 November, Arad, Romania, 2006.* Organizator a trei Seminarii în Arad şi Timişoara cu participarea Prof. Michio Sugeno, 28 - 29 October 2006. Organizator al Seminarului *Tutorial on Datamining for E-Business on the Internet, Tutorial on Semantic WEB"* din Arad cu participarea Prof. Veljko Milutinovic, 2 May 2007. Organizator al The International Workshop *On Probability and Fuzziness and Their Role in Soft Computing. Theory and Applications,* June 19-20, 2007, Arad, Romania, invitat de onoare Prof. Dan Ralescu from the University of Cincinatti, USA, http://www.trivent.hu/Arad2007/index.html, Organizator al unei Sesiuni Speciale la The 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10 - 12 July 2008, Iasi, Romania, http://www.iit.tuiasi.ro/ecit2008/index.html Organizator al unui Seminar *Research Directions in the Knowledge-Based Intelligent Engineering Systems Centre* in Arad cu participarea Prof. Lakhmi C. Jain, 28 August 2008. Co-organizator la Second International Workshop on Cognitive Computer Vision, 2 Martie 2012, Arad, http://trivent.hu/2012/cogcomvi2012/index.html Membră in Comitetul Stiintific al "Simpozionului Energie – Resurse – Mediu al Studenţilor Orădeni". 24-26 mai 2012, Stana de Vale, Jud. Bihor,

			 Committee Member la Women's International Research Engineering Summit WIRES, 2011, http://www.wires.gatech.edu/committee.php Organizator al unui Seminar *Multi/Many-Core Embedded System Design: Recent Trends and Challenges* in Universitatea Aurel Vlaicu din Arad, cu participarea Dr. Amlan Chakrabarti, University of Calcutta, India, 1 Iunie, 2013. Organizator a două seminarii *Digital Signal Processing: A Backward Glance and A Look Ahead şi Nondistructive Evaluation with Emphasis on Barkhausen Noise* in Universitatea Aurel Vlaicu din Arad, cu participarea Prof. Vinod K. Madan, Universitatea Kalasalingam, India, 14 Iunie 2013. Member in Committee Members la Summit Committee, WIRES 2013, Women's International Research Engineering Summit, 9-12 September 2013, Athens, Greece, http://wires.gatech.edu/main.php
A3.4.1	Premii în domeniu Academia Româna, ASTR, academii de ramură, premii internaţionale	**45**	1. 21 septembrie **2007** – CHC$_{61}$ - **Menţiune**, din partea IEEE Computer Society Web Programming Competition, pentru proiectul coordonat - „ *50 Years of Computing in Romania*" 2. **Senior Member IEEE 2007.** 3. Who's Who in the World, **2007**
A3.4.2	Premii în domeniu Premii naţionale în domeniu	**255**	1. Septembrie **2005** – **Certificate of Achievement** din partea IEEE Romanian Section în semn de recunoaştere a eforturilor pentru organizarea Workshopului Internaţional **IEEE SOFA 2005** prima ediţie, Szeged/Arad. 2. August **2007** – **Certificate of Achievement** din partea IEEE Romanian Section – în semn de recunoaştere a eforturilor pentru organizarea Workshopului Internaţional IEEE SOFA 2007 ediţia a doua, Jula/Oradea. 3. 06.10.**2007** – Timişoara –Asociaţia pentru Tehnologia Informaţiei şi Comunicaţii din Romania a acordat **Premiul pentru Excelenţă 2007 ATIC** echipei de studenţi de la Universitatea "Aurel Vlaicu" din Arad pentru merite deosebite in crearea unui site al istoriei tehnicii de calcul din Romania. Echipa a fost formata din: Andrei Valentin Stoica, Aura-Letiţia Rugea, Alexandru Ţigan, Kristina Drienovski şi **coordonatorul ştiintific - Conf. Dr. Ing. Valentina Bălaş** de la Universitatea "Aurel Vlaicu" din Arad. 4. **Grant CNCSIS tip PREC ISI** - **"PREMIEREA REZULTATELOR IN CERCETARE "** PN-II-RU-PRECISI-2008, martie **2008**, **Cod CNCSIS 203**, *Fusion devices and changes of belief,* Journal of Intelligent and Fuzzy Systems. - **V. E. Bălaş,** 2000 RON, poziţia 169. 5. Diplomă de participare ca mentor la trei echipe studenţeşti în cadrul competiţiei **GOOGLE Online Marketing Challenge 2008.** 6. Certificat de apreciere de la Georgia National Science Foundation pentru participarea ca expert internaţional la State Science Grants Competition **2009**. 7. 18 martie **2011 Certificate of Achievement** din partea Romania IEEE pentru contribuţii aduse dezvoltarii profesiei de inginer.

				8. Premierea rezultatelor cercetării – Premiu ANCS – Cod: PN-II-RU-PRECISI2011-3-1066, **Valentina E. Balas**, *Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems*, CHAOS SOLITONS & FRACTALS, 2.000 lei, **2011**, poz. 1043, pag 20/47, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202011/evaluare/rezultate%20septembrie%20actualizata%2022%20decembrie.pdf. 9. Premierea rezultatelor cercetării – Premiu ANCS – Cod: PN-II-RU-PRECISI-2012-6-0698, **Valentina E. Balas,** *Adaptive fuzzy H ∞ tracking design of SISO uncertain nonlinear fractional order time-delay systems*, Nonlinear Dynamics, 4.000 lei, **2012**, poz. 693, pag. 37/46 http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202012/REZULTATE%20IUNIE%20ACTUALIZAT%20BUNA.pdf . 10. Premierea rezultatelor cercetării – Premiu ANCS – Cod: PN-II-RU-PRECISI-2014-8-6762, **Valentina E. Balas**, Real-time fuzzy system identification using uncertainty bounds, Neurocomputing, 4.000 lei, 2014, poz. 2441, pag. 12, Lista 4 11. Premierea rezultatelor cercetarii Premiu ANCS 2015 4.000+2.000 lei 12. Premirea rezultatelor cercetarii in UAV – 8 articole ISI = 2100 EURO 13. Premierea rezutatelor cercetarii UEFISCDI –2.000 lei, http://uefiscdi.gov.ro/userfiles/file/PNCDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_Rezultate%20eligibilitate_lista%202_25_08_2016.pdf *14.* Premierea rezutatelor cercetarii UEFISCDI - 1.000 lei, http://uefiscdi.gov.ro/userfiles/file/PNCDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%204_28_10_2016.pdf 15. Premierea rezutatelor cercetarii UEFISCDI –1.000 lei, http://uefiscdi.gov.ro/userfiles/file/PNCDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%204_28_10_2016.pdf 16. Diploma de Excelenta UAV, decembrie 2016 17. Diploma de excelenta din partea Facultatii de Automatica si Calculatoare a Universitatii Politehnica Bucuresti, octombrie 2017.
			A3	**3785,53/150**
TOTAL GENERAL : 6.160,79/850				

Factor de impact cumulat : 72,17/10 (reviste ISI si articole ISI Proceedings)

Număr de citări în carţi, reviste şi volume ale unor manifestări ştiinţifice ISI (Selectie)

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei *k* care citeaza	Factor de impact	
	1. Observer-based adaptive variable structure control and synchronization of unknown chaotic systems Navid Noroozi, Mehdi Roopaei, Valentina Emilia Balas, Tsung-Chih Lin SACI'2009. pp.71~76 **- 6 puncte**		
1.	**Adaptive hybrid type-2 intelligent sliding mode control for uncertain nonlinear multivariable dynamical systems** Tsung-Chih Lin, Ming-Che Chen Fuzzy Sets and Systems Volume 171, Issue 1, 16 May 2011, Pages 44-71 Theme: Systems Engineering	1,268	
2.	**Synchronization of uncertain chaotic systems based on adaptive type-2 fuzzy sliding mode control** Tsung-Chih Lin, Ming-Che Chen, Mehdi Roopaei Engineering Applications of Artificial Intelligence Volume 24, Issue 1, February 2011, Pages 39-49 http://www.sciencedirect.com/science/article/pii/S0952197610001879	1,957	
3.	**Based on interval type-2 adaptive fuzzy H^∞ tracking controller for SISO time-delay nonlinear systems** Tsung-Chih Lin, Mehdi Roopaei Communications in Nonlinear Science and Numerical Simulation, Volume 15, Issue 12, December 2010, Pages 4065-4075 http://www.sciencedirect.com/science/article/pii/S1007570410000596	1,459	
	2.Adaptive gain fuzzy sliding mode control in uncertain MIMO nonlinear systems Mehdi Roopaei, Valentina Emilia Balas, Tsung-Chih Lin, Alireza Seifi Nonlinear Studies, Vol 16, No 3 (2009), pp 261-274 **- 6 puncte**		
1.	**Adaptive hybrid type-2 intelligent sliding mode control for uncertain nonlinear multivariable dynamical systems** Tsung-Chih Lin, Ming-Che Chen,	1.268	

	Fuzzy Sets and Systems Volume 171, Issue 1, 16 May 2011, Pages 44-71 Theme: Systems Engineering http://www.sciencedirect.com/science/article/pii/S016501141 0004586	
2	**Synchronization of uncertain chaotic systems based on adaptive type-2 fuzzy sliding mode control** Tsung-Chih Lin, Ming-Che Chen, Mehdi Roopaei Engineering Applications of Artificial Intelligence Volume 24, Issue 1, February 2011, Pages 39-49 http://www.sciencedirect.com/science/article/pii/S095219761 0001879	1.957
3	**Parameters Adaptive Sliding Mode Control for a Class of Uncertain Nonlinear Systems and Its Application,** SHI Xin LI Ying ZHANG Yuan-tao, Control Engineering of China, 2012, 19(5)	0,25

3. World Knowledge for Control Applications by Fuzzy-Interpolative Systems
M. M. Balas, V. E. Balas., Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 28-32, 15-17 Mai **2008** Oradea, Romania, **CNCSIS cat. A, ISI indexed,** http://www.journal.univagora.ro/?page=supp_isue2008   - **12puncte**

1	**Adaptive fuzzy formation control for a swarm of nonholonomic differentially driven vehicles** **An H^∞-based robust control design** Bijan Ranjbarsahraei, Mehdi Roopaei and Siavash Khosravi Nonlinear Dynamics DOI: 10.1007/s11071-011-0186-0 http://www.springerlink.com/content/17420l2598075773/	1.739
2	**Fuzzy Logic Control System Stability Analysis Based on Lyapunov's Direct Method** R.-E. Precup, M.-L. Tomescu, ¸St. Preitl Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844 Vol. IV (2009), No. 4, pp. 415-426	0,258
3.	**Preliminary Issues on Brain – Machine Contextual Communication Structure Development** T. Vesselenyi, I. Dzitac, S. Dzitac, C. Hora, C. Porumb Soft Computing Applications, 2009. SOFA '09. 3rd International Workshop on , pag. 37-42, ISBN 978-1-4244-5054-1, IEEE, INSPEC	0,25

4. Constant Time to Collision Platoons
V. E. Balas, M. M. Balas, Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 33-39, 15-17 Mai 2008 Oradea, Romania, CNCSIS cat. A, ISI indexed - **12 puncte**

1.	**Trajectory optimization for eco-driving taking into account traffic constraints** Felicitas Mensing, Eric Bideaux, Rochdi Trigui, Helene Tattegrain	ISI – 1,522

	[Transportation Research Part D: Transport and Environment Volume 18](#), January 2013, Pages 55–61	
2.	**Quantitative indicator of homeostatic risk perception in car following** [Guangquan Lu](#), [Bo Cheng](#), [Qingfeng Lin](#), [Yunpeng Wang](#), [Safety Science](#) [Volume 50, Issue 9](#), November 2012, Pages 1898–1905	**ISI – 1,139**
3.	**A general formulation for time-to-collision safety indicator** [Mahmoud Saffarzadeh](#) ; [Navid Nadimi](#) ; [Saber Naseralavi](#) ; [Amir Reza Mamdoohi](#) [Proceedings of the ICE - Transport](#), ISSN : 0965-092X [Volume 166, Issue 5](#), October 2012 pages 294 –304 [http://www.icevirtuallibrary.com/content/serial/tran;jsessionid=8ffry7xkrl9k.x-telford-live-01](#)	**ISI-0,321**

1. World knowledge for sensors and estimators by models and internal models
V.E. Balas, L.C. Jain, [Journal of Intelligent and Fuzzy Systems](#), [Volume 21, Number 1-2 / 2010](#), pag. 79-88, [http://iospress.metapress.com/content/95nrj532w0121785/](#) **- 4 puncte**

1.	**Adaptive fuzzy formation control for a swarm of nonholonomic differentially driven vehicles** **An H^∞-based robust control design** [Bijan Ranjbarsahraei](#), [Mehdi Roopaei](#) and [Siavash Khosravi](#) [Nonlinear Dynamics](#) DOI: 10.1007/s11071-011-0186-0 [http://www.springerlink.com/content/17420l2598075773/](#)	1.739

2. Fuzzy controllers for tire slip control in anti-lock braking systems
Precup, R.E.; Preitl, S.; Balas, M.; Balas, V.,
[Fuzzy Systems, 2004. Proceedings. 2004 IEEE International Conference on](#), 1317 - 1322 vol.3, ISSN: 1098-7584, Print ISBN: 0-7803-8353-2, INSPEC Accession Number: 8254425, Digital Object Identifier: [10.1109/FUZZY.2004.1375359](#), [http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=1375359](#) **- 24 puncte**

1.	**ANALYSIS OF FUZZY CONTROL SOLUTIONS FOR ANTI-LOCK BRAKING SYSTEMS** Marian Stan, Radu-Emil Precup, Adrian Sebastian Paul, CEAI, Vol. 9, No. 2, pp. 11-22, 2007 [http://ceai.srait.ro/index.php/ceai/article/viewFile/68/28](#)	0,338
2.	[Particle Swarm Optimization of Fuzzy Models for Anti-lock Braking Systems](#) By: Precup, Radu-Emil; Sabau, Marius-Csaba; Dragos, Claudia-Adina; et al. Edited by: Angelov, P; Filev, D; Kasabov, N; et al. Conference: IEEE Conference on Evolving and Adaptive Intelligent Systems (EAIS) Location: Linz, AUSTRIA Date: JUN 02-04, 2014 Sponsor(s): IEEE; IEEE Syst, Man, & Cybernet Soc, Tech Comm Evolving Intelligent Syst; Linz Ctr Mechatron GmbH; Software Competence Ctr Hagenberg; Johannes Kepler Univ Linz; Fuzzy Log Lab Linz Hagenberg, Dept Knowledge Based	0,25

	Math Syst 2014 IEEE CONFERENCE ON EVOLVING AND ADAPTIVE INTELLIGENT SYSTEMS (EAIS) Book Series: IEEE Conference on Evolving and Adaptive Intelligence Systems Published: 2014	
3.	Data-Driven Model-Free Adaptive Control of Twin Rotor Aerodynamic Systems By: Roman, Raul-Cristian; Radac, Mircea-Bogdan; Precup, Radu-Emil Edited by: Szakal, A Conference: 9th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) Location: Timisara, ROMANIA Date: MAY 15-17, 2014 Sponsor(s): IEEE 2014 IEEE 9TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI) Pages: 25-30 Published: 2014	**0,25**
4.	Evaluating Software Maintenance Processes in Small Software Company based on Fuzzy Screening By: Stojanov, Zeljko; Brtka, Vladimir; Dobrilovic, Dalibor Edited by: Szakal, A Conference: 9th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) Location: Timisara, ROMANIA Date: MAY 15-17, 2014 Sponsor(s): IEEE 2014 IEEE 9TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI) Pages: 67-72 Published: 2014	**0,25**
5.	Initialization and Lost Track Recovery Performance Analysis of Face Features Tracking By: Voisan, Emil-Ioan; Precup, Radu-Emil; Dragan, Florin Edited by: Szakal, A Conference: 9th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) Location: Timisara, ROMANIA Date: MAY 15-17, 2014 Sponsor(s): IEEE 2014 IEEE 9TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI) Pages: 243-248 Published: 2014	**0,25**
6.	Conjoint simulation of active suspension and ABS By: Zhang, Lei; Dong, En'guo; Lou, Jiexun Edited by: Shao, J; Zhang, YQ Conference: International Symposium on Vehicle, Mechanical, and Electrical Engineering (ISVMEE 2013) Location: Chung Hua Univ, Taiwan, PEOPLES R CHINA Date: DEC 21-22, 2013 Sponsor(s): Chung Hua Univ; Harbin Univ Sci & Technol; NW Forestry Univ; Harbin Engn Univ CURRENT DEVELOPMENT OF MECHANICAL ENGINEERING AND ENERGY, PTS 1 AND 2 Book	**0,25**

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8.	Design and Experiments for Model-Free PI Control of DC Drives By: Radac, Mircea-Bogdan; Achimescu, Razvan-Alexandru; Precup, Radu-Emil; et al. Book Group Author(s): IEEE Conference: 8th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) Location: Politehnica Univ Timisoara, Fac Automat & Comp, Timisoara, ROMANIA Date: MAY 23-25, 2013 Sponsor(s): IEEE 2013 IEEE 8TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2013) Pages: 103-108 Published: 2013	**0,25**
9.	Performance Evaluation of a Face Detection Algorithm Running on General Purpose Operating Systems By: Voisan, Emil-Ioan; Marginean, Oscar; Precup, Radu-Emil; et al. Book Group Author(s): IEEE Conference: 8th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) Location: Politehnica Univ Timisoara, Fac Automat & Comp, Timisoara, ROMANIA Date: MAY 23-25, 2013 Sponsor(s): IEEE 2013 IEEE 8TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2013) Pages: 163-168 Published: 2013	**0,25**
10.	Digital Sliding Mode Control of Anti-Lock Braking System By: Mitic, Darko B.; Peric, Stanisa Lj.; Antic, Dragan S.; et al. ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 13 Issue: 1 Pages: 33-40 Published: 2013	**0,25**
11.	Linear and Fuzzy Control Solutions for a Laboratory Anti-lock Braking System	**0,25**

	By: Radac, M. -B.; Precup, R. -E.; Preitl, S.; et al. Book Group Author(s): IEEE Conference: 6th International Symposium on Intelligent Systems and Informatics Location: Subotica, SERBIA Date: SEP 26-27, 2008 Sponsor(s): IEEE 2008 6TH INTERNATIONAL SYMPOSIUM ON INTELLIGENT SYSTEMS AND INFORMATICS Book Series: International Symposium on Intelligent Systems and Informatics Pages: 228-233 Published: 2008	
12.	A fuzzy logic controller for an intelligent tires system By: Zhang, XW; Wang, ZX; Li, W; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vechicles Symposium Location: Las Vegas, NV Date: JUN 06-08, 2005 Sponsor(s): IEEE ITSS 2005 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Pages: 875-881 Published: 2005	**0,25**
13	**An overview on fault diagnosis and nature-inspired** **optimal control of industrial process applications** Radu-Emil Precup, Plamen Angelov, Bruno Sielly Jales Costa , Moamar Sayed-Mouchaweh, Computers in Industry , http://www.sciencedirect.com/science/article/pii/S0166361515 000469	**2,028**

3. Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems

Tsung-Chih Lin, Tun-Yuan Lee, Valentina E. Balas Chaos, Solitons & Fractals, ISSN 0960-0779, Elsevier, Volume 44, Issue 10, October 2011, Pages 791-801 factor de impact relativ - ISI – 1,4092, (1.2348224513173 – 2010), doi:10.1016/j.chaos.2011.04.005, http://sd1.myipcn.org/science/article/pii/S0960077911001433 - **42,55 puncte**

1.	**Control for a class of four-dimensional chaotic systems** **with random-varying parameters and noise disturbance** Diyi Chen, Weili Zhao, Xiaoyi Ma, Juan Wang, Journal of Vibration and Control 1077546312441657, first published on March 30, 2012	**1.506**
2.	**Synchronization of integer order and fractional order** **Chua's systems using robust observer** Ichraf El Gammoudi, Moez Feki Commun Nonlinear Sci Numer Simulat, ISSN: 1007-5704 http://dx.doi.org.scopeesprx.elsevier.com/10.1016/j.cnsns.201 2.08.005, available on line from August 2012	**1,459**
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4.	**Adaptive fuzzy sliding-mode control system design for** **brushless DC motors** Chih-Min Lin, Chun-Fei Hsu, Rong-Guan Yeh,	**0,35256**

	International Journal of Innovative Computing, Information and Control, ISSN 1349-4198, Vol. 9, Nr. 3, March 2013, pp. 1259-1270, http://www.ijicic.org/ijicic-12-01045.pdf	
5.	**Adaptive control of hyper-chaotic systems based on dynamic structure RBF neural networks** Jing, W., Hong-Xia, G., Zhen-Yu, T., Jin-Feng, G Applied Mechanics and Materials Volume 229-231, 2012, Pages 2311-2314 4th International Conference on Mechanical and Electrical Technology, ICMET 2012;Kuala Lumpur;24 July 2012through26 July 2012;Code94581	**0,25**
6.	**Modified generalized projective synchronization of incommensurate fractional order chaotic systems** S Chao, CJ De Control Conference (CCC), 2012 31st Chinese, 2012 – pag. 1065-1069	**0**
7.	**Robust synchronization for a class of fractional-order dynamical system via linear state variable** C. Li, J. Xiong, W. Li, Y. Tong, Y. Zeng Indian Journal of Physics, March 2013, pag. Springer –Verlag, ISSN 0974-9845, http://link.springer.com/article/10.1007/s12648-013-0267-7v	**0,14781**
8.	Fractional order Lyapunov stability theorem and its applications in synchronization of complex dynamical networks By: Chen, Diyi; Zhang, Runfan; Liu, Xinzhi; et al. COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION Volume: 19 Issue: 12 Pages: 4105-4121 Published: DEC 2014	**1,459**
9.	A projective synchronization scheme based on fuzzy adaptive control for unknown multivariable chaotic systems By: Boulkroune, A.; Bouzeriba, A.; Hamel, S.; et al. NONLINEAR DYNAMICS Volume: 78 Issue: 1 Pages: 433-447 Published: OCT 2014	**1,739**
10.	Synchronization and an application of a novel fractional order King Cobra chaotic system By: Muthukumar, P.; Balasubramaniam, P.; Ratnavelu, K. CHAOS Volume: 24 Issue: 3 Article Number: 033105 Published: SEP 2014	**1,308**
11.	Decentralized sliding mode control of fractional-order large-scale nonlinear systems By: Majidabad, Sajjad Shoja; Shandiz, Heydar Toosian; Hajizadeh, Amin NONLINEAR DYNAMICS Volume: 77 Issue: 1-2 Pages: 119-134 Published: JUL 2014	**1,739**

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12.	[Optimal robust sliding mode tracking control of a biped robot based on ingenious multi-objective PSO](#) By: Mahmoodabadi, M. J.; Taherkhorsandi, M.; Bagheri, A. NEUROCOMPUTING Volume: 124 Special Issue: SI Pages: 194-209 Published: JAN 26 2014	**0,917**	
13.	[Adaptive impulsive synchronization for a class of fractional-order chaotic and hyperchaotic systems](#) By: Xi, Huiling; Yu, Simin; Zhang, Ruixia; et al. OPTIK Volume: 125 Issue: 9 Pages: 2036-2040 Published: 2014	**0,298**	
14	**[Adaptive fuzzy control-based projective synchronization of uncertain nonaffine chaotic systems](#)** A Boulkroune, A Bouzeriba, S Hamel, T Bouden - Complexity, 2014 - Wiley Online Library	**0,887**	
15	**[Adaptive Fuzzy Synchronization for Uncertain Chaotic Systems with Different Dimensions and Disturbances](#)** L Zhang, Y Wang, Q Wang - International Journal of Fuzzy Systems, 2015 - Springer	**0,350**	
16	**[Theoretical and practical applications of fuzzy fractional integral sliding mode control for fractional-order dynamical system](#)** [P Balasubramaniam](#), P Muthukumar, [K Ratnavelu](#) - Nonlinear Dynamics, 2014 - Springer	**1,739**	
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4. Optimizing the distance-gap between cars by constant time to collision planning M. M. Balas, V. E. Balas, and J. Duplaix in *Proceedings of the IEEE International Symposiumon Industrial Electronics (ISIE '07)*, pp. 304–309, June 2007 **– 2,66 puncte**		
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13,25 puncte
Numar de citari ISI
TOTAL FACTOR DE IMPACT : 72,17/10

Criteriul A1   219,13 puncte / necesar 100 puncte

Criteriul A2   2158,13puncte / necesar 600 puncte

Criteriul A3   3597,17 puncte / necesar 150 puncte

TOTAL 5974,43

Prof. Valentina E. Balas   25.10.2017

Sinteza privind indeplinirea conditiilor minimale asociate criteriilor

Criteriul	Domeniul de activitate	Punctaj conditii minimale	Punctaj realizat de candidat	Concluzie
A1	Activitate didactica/profesionala	100	219,13	Criteriu indeplinit
A2	Activitatea de cercetare	600	2158,13	Criteriu indeplinit
A3	Recunoasterea impactului activitatii	150	3597,17	Criteriu indeplinit
	TOTAL	850	5974,43	Criteriu indeplinit

Sinteza privind indeplinirea conditiilor minimale asociate subcriteriilor

Subcriteriul		Conditii minimale	Realizat de candidat	Concluzie
A 1.1.1-A1.1.2	Carti si capitole in carti de specialitate	1	16	Subcriteriu indeplinit
A 2.1	Articole in reviste cotate ISI si in volumele unor manifestari stiintifice indexate ISI proceedings	15 din care minimum 3 in reviste cotate ISI Q1 sau Q2	43 articole ISI 47 articole ISI Proceedings 8Q1 si 8 Q2	Subcriteriu indeplinit
A 2.4.1	Granturi/proiecte de cercetare castigate prin competitie (Director/Responsabil partener)	2	3 internat. 31 travel grant internat 43 nationale	Subcriteriu indeplinit
A 3.1.1	Numar de citari in carti, reviste cotatwe ISI si volume ale unor manifestari stiintifice ISI	25	70	Subcriteriu indeplinit
	Factor de impact cumulat pentru publicatii	10	72,17	Subcriteriu indeplinit