

FIȘA DE VERIFICARE

a îndeplinirii standardelor minimale necesare și obligatorii pentru conferirea titlului didactic de **PROFESOR UNIVERSITAR**
DOMENIUL - Calculatoare, tehnologia informației și ingineria sistemelor (Comisia 15 CNATDCU)
<http://www.cnatdcu-c15.org/Standarde-C15.pdf>

Subsemnata Prof.univ.dr.ing. BĂLAȘ Valentina Emilia, conducător de doctorat în domeniul *Ingineria Sistemelor*,
declar pe proprie răspundere că datele prezentate în fișa de verificare de mai jos sunt reale.

Conform acestor date declar că **ÎNDEPLINESC**
Standardele minimale necesare și obligatorii

pentru abilitare (respectiv pentru conferirea titlului didactic de profesor universitar),
aferente Domeniului Calculatoare, tehnologia informației și ingineria sistemelor,
valabile la data de 08.04.2020.

În ultimii 5 ani am realizat **4235** puncte ceea ce reprezintă 498,23% din punctajul minim solicitat (850 puncte)
pentru domeniul *Calculatoare, tehnologia informației și ingineria sistemelor*

Prof.univ.dr.ing. BĂLAȘ Valentina Emilia

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
1	Universitatea „Politehnica” din Timisoara	Inginerie Electronica si Telecomunicatii	1996-2003	Doctor, CUM LAUDE

2. Îndeplinirea standardelor minimale

Domeniul activităților	Categorii și restricții		Subcategorii	Indicatori (kpi)	Punctaj
1	2		3	4	X
Activitatea didactică și profesională (A1)	Cărți de autor sau capitole ¹ de specialitate în edituri cu ISBN	Cărți / monografii	A1.1.1	internaționale	50 / nr. de autori sau 100 / nr. de autori cu
			1. Rejeeb Dey, Goshaidas Ray, Valentina Emilia Balas , <i>Stability and Stabilization of Linear and Fuzzy Time-Delay Systems, A Linear Matrix Inequality Approach</i> , Springer, 2018, ISBN 978-3-319-70147-9, 308 pag. http://www.springer.com/gp/book/9783319701479	100 173 biblioteci	33,33
			2. Adaptive and Intelligent Control of Microbial Fuel Cells Authors: Patel, R., Deb, D., Dey, R., E. Balas, V. , 121 pages, 2020, Springer https://www.springer.com/us/book/9783030180676	100 84 biblioteci	33,33
			3. Engineering Research Methodology, A Practical Insight for Researchers Authors: Deb , Dipankar, Dey , Rajeeb, Balas , Valentina E., ISBN 978-981-13-2947-0, 2019 Springer, 105 pag.	100 168 biblioteci	33,33
			4. Supervised Machine Learning in Wind Forecasting and Ramp Event Prediction, Authors: Harsh S. Dhiman, Dipankar Deb and Valentina Emilia Balas, https://www.elsevier.com/books/supervised-machine-learning-in-wind-forecasting-and-ramp-event-prediction/dhiman/978-0-12-821353-7?fbclid=IwAR3fgfIAc8sailvIHPnwjBqp06ClnHFxjy0Vn7BcOkqlebR8fiHcCJwUdw , ISBN: 9780128213537 , Elsevier, 212 pag., 2020	100 97 biblioteci	33,33
			5. A case study: impact of Internet of Things devices and pharma on the improvements of a child in autism Afzal, Muhammad Javaid; Tayyaba, Shahzadi; Ashraf, Muhammad Waseem; Javaid, Farah; Balas, Valentina Emilia Published: 2020 in Emergence of Pharmaceutical Industry Growth with Industrial Iot Approach DOI: 10.1016/B978-0-12-819593-2.00003-0	100 118 biblioteci	5
			6. Marius M. Bălaș, Valentina E. Bălaș – <i>Postmodernism and Control Engineering</i> , 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 Bibliography) indexed , http://www.springerlink.com/content/n2jvt13463n5pj37/	100 298 biblioteci	12,5
			7. Marius M. Bălaș, Valentina E. Bălaș – <i>The Fuzzy Interpolative Control for Passive Greenhouses</i> , 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,	100	12,5

				Springer, DPLB (Computer Science Bibliography) indexed, http://www.springer.com/engineering/book/978-3-642-01884-8 .	271 biblioteci	
				8. Nicolae Popescu-Bodorin, Valentina E. Bălaș , <i>Learning Iris Biometric Digital Identities for Secure Authentication. A Neural-Evolutionary Perspective Pioneering Intelligent Iris Identification</i> , 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	100 274 biblioteci	12,5
				9. Valentina E. Bălaș , Iulia Moțoc, Alina Barbulescu, <i>Combined Haar-Hilbert and Log-Gabor Based Iris Encoders</i> , 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	100 269 biblioteci	8,33
				10. Valentina E. Bălaș , Marius M. Bălaș, <i>Fuzzy Systems towards Field Applications</i> , Rudolf Seising, Enric Trillas, Claudio Moraga, and Settimo Termini (eds.), <i>On Fuzziness. A Homage to Lotfi A. Zadeh</i> , 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	100 277 biblioteci	12,5
				11. Ahmad Taher Azar and Valentina E. Bălaș , <i>Classification and Detection of Diabetic Retinopathy</i> , 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.	100 274 biblioteci	12,5
				12. Ahmed T. Azar, Valentina E. Bălaș , Teodora Olariu, <i>Classification of EEG-Based Brain-Computer Interfaces</i> , 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.	100 255 biblioteci	8,33
				13. Mousumi Kumar, Valentina E. Balas , Bijay Baran Pal, <i>Using Fuzzy Goal Programming with Penalty Functions for Solving EEPGD Problem via Genetic Algorithm</i> , IGI Global, Handbook of Research on Natural Computing for Optimization Problems Chapter 34, pag. 847-869, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch034, 2016	50	4,16
				14. Debjani Chakraborti, Valentina E. Balas , Bijay Baran Pal, <i>Genetic Algorithm for FGP Model of a Multiobjective Bilevel Programming Problem in Uncertain Environment</i> , IGI	50	4,16

- Global, [Handbook of Research on Natural Computing for Optimization Problems](#) Chapter 35, pag. 870-888, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch035, 2016
15. 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*, Editor [Srikanta Patnaik](#), IGI Global, pag 153-170, 2017, <http://www.igi-global.com/book/recent-developments-intelligent-nature-inspired/173681> 50 2,08
16. **Valentina E. Bălaș**, 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**. 0
17. **Valentina E. Bălaș**, 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> 0
18. **Valentina E. Bălaș**, Annamaria Varkonyi-Koczy, Janos Fodor (**editori**) la “ *Soft Computing Based Modeling in Intelligent Systems*”, Studies in Computational Intelligence, Berlin: Springer, 2009, Vol. 196, ISBN 978-3-642-00447-6, 206 pag. <http://www.springer.com/engineering/book/978-3-642-00447-6> 0
19. Jain, L.C.; Sato-Ilic, M.; Virvou, M.; Tsihrintzis, G.A.; **Valentina E. Bălaș**, 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. 0
20. **Valentina E. Bălaș**, 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> 0
21. **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, 0

- <https://www.bookdepository.com/Information-Technology-and-Intelligent-Transportation-Systems/9781614997849?status=invalid-email>
22. 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> 0
 23. **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> 0
 24. 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> 0
 25. 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> 0
 26. **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> 0
ISI Proceedings.
 27. **Balas, V.E.**, Roy, S.S., Sharma, D., Samui, P. (editori) *Handbook of Deep Learning Applications* ISBN 978-3-030-11479-4, 2019 <https://www.springer.com/gp/book/9783030114787> 0
 28. *Engineering Research Methodology* A Practical Insight for Researchers Deb, Dipankar, Dey, Rajeeb, **Balas, Valentina E.**, (editori) ISBN 978-981-13-2947-0, 2019 <https://www.springer.com/gp/book/9789811329463> [Internet of Things and Big Data Analytics for Smart Generation](https://www.springer.com/gp/book/9789811329463) 0

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|-----|---|---|
| 29. | Balas, V.E., Solanki, V.K., Kumar, R., Khari, M. (editori)
ISBN 978-3-030-04203-5, 2019
https://www.springer.com/gp/book/9783030042028 | 0 |
| 30. | Data and Communication Networks
Proceedings of GUCON 2018
Jain, Lakhmi C., E. Balas, Valentina, Johri, Prashant (editori)
ISBN 978-981-13-2254-9, 2019
https://www.springer.com/gp/book/9789811322532 | 0 |
| 31. | Proceedings of International Ethical Hacking Conference 2018
eHaCON 2018, Kolkata, India
Chakraborty, M., Chakrabarti, S., Balas, V.E., Mandal, J.K. (editori)
ISBN 978-981-13-1544-2, 2019
https://www.springer.com/gp/book/9789811315435 | 0 |
| 32. | Innovations in Infrastructure
Proceedings of ICIIF 2018
Deb, Dipankar, Balas, Valentina E., Dey, Rajeeb (editori)
ISBN 978-981-13-1966-2, 2019
https://www.springer.com/gp/book/9789811319655 | 0 |
| 33. | Nature Inspired Optimization Techniques for Image Processing Applications
Hemanth, Jude, Balas, Valentina Emilia (editori)
ISBN 978-3-319-96002-9, 2019
https://www.springer.com/gp/book/9783319960012 | 0 |
| 34. | Innovative Research in Transportation Infrastructure
Proceedings of ICIIF 2018
Deb, D., Balas, V.E., Dey, R., Shah, J. (editori)
ISBN 978-981-13-2032-3, 2019
https://www.springer.com/gp/book/9789811320316 | 0 |
| 35. | Data Management, Analytics and Innovation
Proceedings of ICDMAI 2018, Volume 2
Balas, Valentina Emilia, Sharma, Neha, Chakrabarti, Amlan (editori)
ISBN 978-981-13-1274-8, 2019
https://www.springer.com/gp/book/9789811312731 | 0 |
| 36. | Data Management, Analytics and Innovation
Proceedings of ICDMAI 2018, Volume 1
Balas, Valentina Emilia, Sharma, Neha, Chakrabarti, Amlan (editori)
ISBN 978-981-13-1402-5, 2019 | 0 |
| 37. | Big Data Processing Using Spark in Cloud
Mittal, M., Balas, V.E., Goyal, L.M., Kumar, R. (editori) | 0 |

	ISBN 978-981-13-0550-4, 2019 https://www.springer.com/gp/book/9789811305498	
38.	Security with Intelligent Computing and Big-data Services Peng, S.-L., Wang, S.-J., Balas, V.E. , Zhao, M. (editori) ISBN 978-3-319-76451-1, 2018 https://www.springer.com/gp/book/9783319764504	0
39.	Biologically Rationalized Computing Techniques For Image Processing Applications Hemanth, D. Jude, Balas, Valentina Emilia (editori) ISBN 978-3-319-61316-1, 2018 https://www.springer.com/gp/book/9783319613154	0
40.	Intelligent Data Analysis for Biomedical Applications : Challenges and Solutions Intelligent Data-Centric Systems: Sensor Collected Intellige Hemanth D. Jude , Deepak Gupta , Valentina Emilia Balas (editori) https://www.bookdepository.com/Intelligent-Data-Analysis-for-Biomedical-Applications/ , ISBN 9780128155530, 2019	0
41.	Handbook of Neural Computation Pijush Samui , Sanjiban Sekhar Roy , Valentina Emilia Balas ,(editori) ISBN13 9780128113189, 2017 https://www.bookdepository.com/Handbook-Neural-Computation/9780128113189	0
42.	Biologically Rationalized Computing Techniques For Image Processing Applications Lecture Notes in Computational Vision and Biomechanics JUDE HEMANTH , Valentina Emilia Balas (editori) ISBN13 9783319613154, 2019 https://www.bookdepository.com/Biologically-Rationalized-Computing-Techniques-For-Image-Processing-Applications/9783319613154	0

			227,88
A1.1.2	naționale	50/nr. de autori	
1.	Valentina E. Bălaș , Teoria Sistemelor, Editura Universității “Aurel Vlaicu” Arad, 2013, ISBN 978-973-752-672- 4, 150 pag.	50	
2.	Valentina E. Bălaș , (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 Universității “Aurel Vlaicu” din Arad, 457 pag.	0	
3.	Valentina E. Bălaș , <i>Senzori inteligenți cu model intern și fuziune fuzzy</i> , Editura Politehnica, 2004, Timișoara, ISBN 973-625-113-6, 151 pag., Prefața scrisă de Prof. Lotfi A. Zadeh.	50	
4.	Valentina E. Bălaș , Marius M. Bălaș. <i>A Survey on the Constant Time to Collision Techniques</i> , Lotfi A. Zadeh, Dan Tufiş, Florin Gheorghe Filip, Ioan Dzitac (eds.), From	6,25	

			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.		
			5. Marius M. Bălaș, Valentina E. Bălaș . <i>World Knowledge for Controllers by Fuzzy-Interpolative Systems</i> , 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.	6,25	
				112,5	
	Material didactic / Lucrări didactice publicate în edituri cu ISBN	Manuale didactice	A1.2.1	40/ nr. autori	
			1. Marius M. Bălaș, Valentina E. Bălaș , <i>Curs de Dispozitive Electronice</i> , Editura Universităţii “Aurel Vlaicu” Arad, 2003, ISBN 973-9361-83-8, 126 pag.	40	20
			2. Marius M. Bălaș, Valentina E. Bălaș <i>Dispozitive şi circuite electronice</i> , Îndrumător de laborator, Editura Universităţii “Aurel Vlaicu” Arad, 2000, ISBN 973-9361-38-2, 55 pag.	40	20
				40	
			TOTAL A1	380,38	
Activitatea de cercetare (A2)	Articole în reviste cotate ISI şi lucrări în volumele unor manifestări ştiinţifice indexate ISI		A 2.1.	(25+30*IF) /nr. autori	
			1. A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System Ashraf, N ; Izhar, T; Abbas, G ; Awan, AB; Alghamdi, AS; Abo-Khalil, AG; Sayed, K; Farooq, U; Balas, VE ELECTRONICS, Volume: 9, Issue: 3, Article Number: 430 DOI: 10.3390/electronics9030430 Published: MAR 2020 2,412 – Q2 Citari 0	97,36	10,82
			2. Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks Tariq, Muhammad Imran; Ahmed, Shakeel; Memon, Nisar Ahmed; Tayyaba, Shahzadi; Ashraf, Muhammad Waseem; Nazir, Mohsin; Hussain, Akhtar; Balas, Valentina Emilia; Balas, Marius M. Published:Feb 2020 in <u>Sensors</u> DOI: <u>10.3390/S20051310</u> 3,275 – Q1 Citari 0	123,25	13,4
			3. Volumetric Estimation of the Damaged Area in the Human Brain from 2D MR Image Authors: Srinivasu, P. Naga; Rao, T. Srinivasa; Balas, Valentina Emilia Published: 2020 in <u>International Journal of Information System Modeling and Design (IJISMD)</u> DOI: <u>10.4018/IJISMD.2020010105</u> ESCI IF =0	25	8,25

4. Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Hydro-Turbine Governor Design Lin, Yu-Chen; Balas, Valentina Emilia; Balas, Marius Mircea; Peng, Jian-Zhang Published: 2020 in Energies DOI: 10.3390/EN13010126 2,702 – Q3 Citari 0	106,06	26,515
5. A New Single-Phase AC Voltage Converter With Voltage Buck Characteristics for Grid Voltage Compensation Ashraf, Naveed; Izhar, Tahir; Abbas, Ghulam; Awan, Ahmed Bilal; Farooq, Umar; Balas, Valentina E. Published: 2020 in IEEE Access DOI: 10.1109/ACCESS.2020.2979506 3,745 – Q1 Citari 0	137,35	22,9
6. Artificial Intelligence-Based Controller for DC-DC Flyback Converter Shahid, Muhammad Arslan; Abbas, Ghulam; Hussain, Mohammad Rashid; Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Balas, Valentina E.; Uzair, Muhammad; Awan, Ahmed Bilal; Yazdan, Tanveer Published: Nov 2019 in Applied Sciences DOI: 10.3390/APP9235108 2,474 – Q2 Citari 0	99,22	9,92
7. Design of a Proportional-Integral-Derivative Controller for an Automatic Generation Control of Multi-area Power Thermal Systems Using Firefly Algorithm Jagatheesan, K.; Anand, B.; Samanta, Sourav; Dey, Nilanjan; Ashour, Amira S.; Balas, Valentina E. Published: 2019 in IEEE/CAA Journal of Automatica Sinica DOI: 10.1109/JAS.2017.7510436 5,129- Q4 Citari 12	178,87	29,81
8. A Single-Phase Buck and Boost AC-to-AC Converter with Bipolar Voltage Gain: Analysis, Design, and Implementation Ashraf, Naveed; Izhar, Tahir; Abbas, Ghulam; Balas, Valentina E.; Balas, Marius M.; Lin, Tsung-Chih; Asad, Muhammad Usman; Farooq, Umar; Gu, Jason Published: 2019 in Energies DOI: 10.3390/EN12071376 2,702 – Q3 Citari 0	106,06	11,78
9. Derivative-Free Direct Search Optimization Method for Enhancing Performance of Analytical Design Approach-Based Digital Controller for Switching Regulator Abbas, Ghula; Nazeer, Muhammad Qumar; Balas, Valentina E.; Lin, Tsung-Chih; Balas, Marius M.; Asad, Muhammad Usman; Raza, Ali; Shehzad, Muhammad Naeem; Farooq, Umar; Gu, Jason	106,06	10,6

Published: 2019 in Energies DOI: 10.3390/EN12112183 2,702 – Q3 Citari 0		
10. A Hybrid Time Series Forecasting Model for Disturbance Storm Time Index using a Competitive Brain Emotional Neural Network and Neo-Fuzzy Neurons Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Asad, Muhammad Usman; Balas, Marius M. Published: 2019 in Acta Polytechnica Hungarica DOI: 10.12700/APH.16.4.2019.4.11 1,286 – Q3	63,58	10,6
11. On Lifetime Enhancement of Super Nodes based Wireless Sensor Networks by using Sine Cosine Algorithm Authors: Pandey, Ashish; Rajan, Abhishek; Nandi, Arnab; Balas, Valentina E. Published: 2019 in Journal of Information Science and Engineering DOI: 10.6688/JISE.201909_35(5).0013 0,525 – Q4	40,75	10,19
12. An enhanced state convergence architecture incorporating disturbance observer for bilateral teleoperation systems Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Balas, Marius; Muresan, Vlad Published: 2019 in International Journal of Advanced Robotic Systems DOI: 10.1177/1729881419880052 1,482 – Q3	69,46	9,92
13. Design of a Composite State Convergence Controller for a Nonlinear Telerobotic System Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Balas, Marius M. Published: 2019 in Acta Polytechnica Hungarica DOI: 10.12700/APH.16.10.2019.10.10 1,286 – Q3	63,58	10,6
14. Wake Management in Wind Farms: An Adaptive Control Approach Dhiman, Harsh S.; Deb, Dipankar; Muresan, Vlad; Balas, Valentina E.; Published: 2019 in Energies DOI: 10.3390/EN12071247 2,702 – Q3, Citari 3	106.06	26,515
15. Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters Tahir, Umair; Abbas, Ghulam; Glavan, Dan Ovidiu; Balas, Valentina E.; Farooq, Umar; Balas, Marius M.; Raza, Ali; Asad, Muhammad Usman; Gu, Jason Published: 2019 in Applied Sciences	99,22	11.02

DOI: [10.3390/APP9173545](https://doi.org/10.3390/APP9173545)

2,474 – Q2 Citari 0

16. A composite state convergence scheme for bilateral teleoperation systems
Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Abbas, Ghulam; Liu, Rong; Balas, Valentina E. Published: 2019 in [IEEE/CAA Journal of Automatica Sinica](#)
DOI: [10.1109/JAS.2019.1911690](https://doi.org/10.1109/JAS.2019.1911690)

5,129 – Q2 Citari 0

178,87

29,81

88,3

11,04

[Optimized Digital Controllers for Switching-Mode DC-DC Step-Down Converter](#)

G Abbas, J Gu, U Farooq, M Abid, A Raza, M Asad, V Balas, M Balas

Electronics

7 (12), 412

2018

2,11 – Q2, Citari 0

19.

[Visual analysis of geospatial habitat suitability model based on inverse distance weighting with paired comparison analysis](#)

R Varatharajan, G Manogaran, MK Priyan, VE Balas, C Barna

[MULTIMEDIA TOOLS AND APPLICATIONS](#)

Volume: 77 Issue: 14 Pages: 17573-17593

2018

1,541-Q2, Citari 25

20.

[Secure VANETs: Trusted Communication Scheme between Vehicles and Infrastructure Based on Fog Computing](#)

Arif, Muhammad; Wang, Guojun; Balas, Valentina Emilia

[STUDIES IN INFORMATICS AND CONTROL](#)

Volume: 27 Issue: 2 Pages: 235-246

2018

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60.	S. Senthil Kumar, H. Hannah Inbarani, Ahmad Taher Azar, Hala S. Own, Valentina Emilia Balas , Teodora Olariu, <i>Optimistic Multi-Granulation Rough set based Classification for Neonatal jaundice</i> , 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)	20	3,33
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62.	Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, Valentina Emilia Balas , Fuqian Shi, <i>Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method Based Approach</i> , 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: <u>Valentina Emilia Balas</u> , <u>Lakhmi C. Jain</u> , <u>Xiangmo Zhao</u> , ISBN: 978-3-319-38769-7, Volume 455 of the series <u>Advances in Intelligent Systems and Computing</u> , 2017, pp 529-539.	20	2,85
63.	S. Rakesh kumar, K. Ramkumar, Seshadhri Srinivasan, Valentina Emilia Balas , Fuqian Shi, <i>Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization Using Neuro-Fuzzy Systems</i> , Volume 2, Proceedings of the 2015	20	4

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447,42

Proprietate intelectuală, brevete de invenție, certificate ORDA	A.2.3.1	Internaționale	35/ nr. autori
		Naționale (OSIM)	25 /nr. autori

A.2.3.2

Granturi / proiecte de cercetare câștigate prin con competiție Contracte cu agenți economici, în valoare de minim 10000 USD echivalent încasați	Director /responsa bil partener	A2.4.1.	internaționale	20 * ani desfășurare	
		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 (pag.87) https://slideblast.com/project-no-015942-project-acronym-ceec-ist-net-project-title-_595ceac01723dd8e40283dc3.html	20x2	40
		2.	Grant Internațional – 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, <i>Șef de program</i> - Valentina E. Bălaș , grant castigat prin competitie http://wires.gatech.edu/main.php ,	20x1	20

		http://www.wires.gatech.edu/committee.php , http://wires.gatech.edu/resources/WIRES2-agenda.pdf		
		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 national coordinator for India Valentina E. Balas – responsible Romanian partner Funding of GIAN: 12.000 USD, Proiect câştigat prin competitivă în India - Mai 2016, derulat în septembrie 2016, singurul profesor selectat din România. 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	20x1	20
		4. Un număr de 35 Travel granturi a câte 3000 EURO fiecare pentru susținerea de conferințe invitate și demararea de cercetări comune în Japonia, Taiwan, China, India, Singapore, USA, Pakistan, Iran, Rwanda.		80
A2.4.1.	naționale		10 * ani desfășurare	
2.	Peste 25 de proiecte realizate la CCSIT Vagoane Arad în calitate de șef de proiect pentru partea electrică/electronică, proiecte obținute prin competiție în cadrul grupului de întreprinderi producătoare de material rulant.			
	1. Masă de poziționare și rotire 1000 Kg pt. programul nuclear (responsabil - partea electrică V. E. Balas). Cod: 291-84 MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 100.000 ROL.		10x1	10
	2. Masă de poziționare și rotire 4000 Kg, pentru programul nuclear (responsabil - partea electrică V. E. Balas). Cod: 292-84MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.		10x1	10
	3. Instalație 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.		10x1	10
	4. Boghiu metrou generația 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.		10x1	10

5.	<i>Mașina de roluit corpul cilindrului de frână (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 6- 85 MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.		
6.	<i>Mașina de roluit capace cilindru de frână (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 16- 85 MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.		
7.	<i>Agregat de găurit multi-ax taler tampon (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 47- 85 AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.		
8.	<i>Agregat de găurit placa de bază tampon PKP-Polonia (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 52- 85 AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.		
9.	<i>Agregat de găurit levier (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 6- 86 AG. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.		
10.	<i>Mașina de bordurat și retăiat cilindrul de frână (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 16- 86 MBR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 400.000 ROL.		
11.	<i>Stand derulat cabluri (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 25- 86 ST. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 270.000 ROL.		
12.	<i>Cercetări privind realizarea unei instalații complexe pentru efectuarea încercărilor dinamice tip AAR (SUA), (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 51- 87 STC. Beneficiar: C.C.S.I.T.V.A. Executant: C.C.S.I.T.V.A. Valoare: 1.200.000 ROL.		
13.	<i>Stand complex pentru încercat cuple metrou (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 6- 88 STC. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.		
14.	<i>Vagon dinamometric (responsabil - instalația TV prin cablu, interfon, sonorizare V. E. Balas).</i>	10x1	10
	Cod: 207. 1988, Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 2.500.000 ROL.		
15.	<i>Tehnologie de sudare a stâlpilor de la vagoanele tip Gondolă cu comandă program în mediu protector tip CO₂ (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 24- 89 ISR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.		
16.	<i>Troliu pentru deplasat longitudinal la nituire (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 4- 90 D. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.		
17.	<i>Instalație pentru vopsit vagoane în câmp electrostatic (responsabil - partea electrică V. E. Balas).</i>	10x1	10
	Cod: 6- 91 ISR. Beneficiar: M.E.V.A. Dr. Tr.- Severin. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.		

18.	<i>Vagon transport agabaritic pe 24 osii (responsabil - partea electrică V. E. Balas).</i> Cod: 653.36-36., 1991, Beneficiar: Electroputere Craiova. Executant: C.C.S.I.T.V.A. Valoare: 1.500.000 ROL.	10x1	10
19.	<i>Vagon comandă personal (responsabil - instalații electrice speciale V. E. Balas).</i> Cod: AAP., 1992, Beneficiar: Ministerul Apărării Naționale. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.	10x1	10
20.	<i>Vagon clinic și radiologic (responsabil - instalații electrice speciale V. E. Balas).</i> Cod: AAT., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 220.000 ROL.	10x1	10
21.	<i>Vagon farmacie (responsabil - instalații electrice speciale V. E. Balas).</i> Cod: AAV., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.	10x1	10
22.	<i>Vagon uzină (responsabil - instalații electrice speciale V. E. Balas).</i> Cod: AAW., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.	10x1	10
23.	<i>Vagon sală de operații (responsabil - instalații electrice speciale V. E. Balas).</i> Cod: AAR, 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 175.000 ROL.	10x1	10
24.	<i>Vagon reanimare și transport răniți (responsabil - instalații electrice speciale V. E. Balas).</i> , 1993, Cod: AAS. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.	10x1	10
25.	<i>Vagon sală pansamente (responsabil - instalații electrice speciale V. E. Balas).</i> , 1993, Cod: AAU. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.	10x1	10
26.	Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme în cooperare cu Universitatea „Politehnica” București prin Banca Mondială. Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - V. E. Balas luna noiembrie 1999, Senzori inteligenți fuzzy, în cadrul laboratorului LAMII, Annecy, Franța. Valoare: 2000\$.	10x1	10
27.	Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme în cooperare cu Universitatea „Politehnica” București prin Banca Mondială. Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - V. E. Balas, luna ianuarie 2001, Senzori inteligenți fuzzy, în cadrul laboratorului LAMII, Annecy, Franța, Valoare: 2000\$.	10x1	10
28.	Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a II-a, cu participare internațională, în limba engleză. Iulie 2003. Universitatea „Aurel Vlaicu” din Arad. Director - V. E. Bălas , colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.000 RON.	10x1	10
29.	Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a III-a, cu participare internațională, în limba engleză. August 2004. Universitatea „Aurel Vlaicu” din Arad. Director - V. E. Bălas , colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.500 RON.	10x1	10
30.	Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a IV-a, cu participare internațională, în limba engleză. Iulie 2005, Dispozitia	10x1	10

	228/18.05 2005, Universitatea „Aurel Vlaicu” din Arad. Director - V. E. Bălaș , colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 8.000 RON.		
31.	Proiect obținut prin competiție: <i>Organizarea Școlii de Vară – „Soft Computing” – ediția a V-a, cu participare internațională, în limba engleză.</i> Iulie 2006. Universitatea „Aurel Vlaicu” din Arad, Director - V. E. Bălaș , colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 3.000 RON.	10x1	10
32.	Contract de cercetare obținut prin competiție de la SC TAKATA SA: <i>Laborator automatizari cu Echipament Mitsubishi PLC</i> , septembrie 2007, Universitatea „Aurel Vlaicu” din Arad, Director de contract - Valentina E. Bălaș , 1600 EURO.	10x1	10
33.	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 obținut prin competiție nationala.	10x1	10
34.	Proiect obținut prin competiție , 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.	10x1	10
35.	Contract de cercetare obținut prin competiție cu SC CONTACT PLUS SRL Arad. „Cercetari privind dezvoltarea unor noi metode de fuzionare a cunostiințelor si aplicatii”, Mai 2005, Nr. 1570/11.05 2005, Universitatea „Aurel Vlaicu” din Arad. <i>Șef de contract</i> - V. E. Balas . Valoare: 5.000.000 ROL.	10x1	10
36.	Contract de cercetare obținut prin competiție 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	10x1	10
37.	Contract de cercetare obținut prin competiție Nr. 2726/22.05.2008 cu SC Ready SRL „Cercetări privind aplicații ale inteligenței artificiale în tehnică”, Universitatea „Aurel Vlaicu” din Arad, Responsabil de contract - Valentina E. Balas , 1.000 Ron	10x1	10
38.	Contract de cercetare obținut prin competiție Nr. 433/19.02.2010 cu SC Ready SRL „Cercetări privind aplicații in domeniul sistemelor inteligente”, Universitatea „Aurel Vlaicu” din Arad, Responsabil de contract - Valentina E. Balas , 500 Ron.	10x1	10
39.	Contract de cercetare obținut prin competiție Nr. 5095.05.11.2010 cu SC Computer Voice Systems Romania SRL „Cercetări privind Studiul oportunității utilizării tehnologiei GWT pentru aplicațiile web cu flux de date real time”, Universitatea „Aurel Vlaicu” din Arad, Responsabil de contract - Valentina E. Balas , 1000 Ron.	10x1	10
40.	Competitia Premiarea rezultatelor cercetarii in Universitatea Aurel Vlaicu Arad, martie 2016, 2100 Euro – Valentina E. Balas .	10x1	10
41.	Proiect obținut prin competiție cu Centrul Municipal de Cultura Arad - CMCA, Programul Tineret, Învățământ și Recreative 2017, pozitia 20, 12.200 lei, Director de proiect – Valentina E. Balas , Cercetari in domeniul Pancreasului Artificial.	10x1	10

		42. Contract de cercetare stiintifica obtinut prin competitie nr. 9542/22.12.2017, cu SC Contact Plus SRL Arad, „Modelarea, simularea, experimentarea si validarea unor noi metode avansate de soft computing in domeniul controlului cladirilor inteligente”, Director de proiect – Valentina E. Balas , Valoare 40.000 lei (10.000 \$).	10x1	10
				420
Membru în echipă	A2.4.2. 1.	internaționale 1. Program Internațional, Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria, Titlu: "Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems", Acronim: NextGenElectroMedSupport, Instituția conducătoare în țară este Universitatea Petru Maior din Târgu Mureș, 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. Bălaș, Marius M. Bălaș, august 2010-august 2012.	4 * ani desfășurare 4x3	12
		2. Program Internațional, Planul Național pentru Cercetare Dezvoltare și Inovare 2007-2013-PN II, Capacități /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală, Cooperare Bilaterală între România și Slovacia Titlu: "Hybrid Medical Complex Systems", Acronim: ComplexMediSys CO: Universitatea Petru Maior din Targu Mureș CO: Academia Slovaca de Științe, Bratislava Directori. Ladislav Hluchý (Slovacia) si Barna Iantovics (Romania) Membri /cercetători în echipă: Valentina E. Bălaș, Marius M. Bălaș, ianuarie 2011-ianuarie 2013.	4x3	12
		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	4x1	4
		naționale		28
			2 * ani desfășurare	

A2.4.2. 2.	1.	Grant CNCISIS „Cercetări pentru implementarea strategiilor bazate pe logica fuzzy și rețele neuronale destinate detecției și diagnosticării defectelor, cu aplicație la sistemele de conducere a acțiunilor electrice”. Iulie 2004. Executant principal: Universitatea „Politehnica” Timișoara. membri UAV – M.M. Balas si V. E. Bălaș . Valoare: 800 EURO.	2x1	2
	2.	Grant PN – II WE Cod CNCISIS: 47 , Contract de cofinanțare cu Autoritatea Națională pentru Cercetarea Științifică Nr. 316 / 09.04.2008, Workshop Exploratoriu „De la limbaj natural la soft computing: noi paradigme ale inteligenței artificiale”, Responsabil Institutul de Cercetari pentru Inteligenta Artificiala al Academiei Romane – Acad. Dan Ioan Tufiş, 30.000 Ron, Colaborator – Valentina E. Bălaș ,	2x1	2
	3.	POSDRU/89/1.5/S/56287 , Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative, Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013, Proiect implementat de Institutul Național de Cercetare-Dezvoltare pentru Textile și Pielarie – INCDTP în parteneriat cu Academia de Studii Economice București - Centrul de Cercetări Analize și Politici Regionale, Universitatea din Oradea și ASSOCIATION GROUPE ESSEC, Membru al grupului țintă – Valentina E. Bălaș , Activitatea 4 – Formarea și perfecționarea în cadrul programelor pilot de pregătire postdoctorală prin cursuri susținute de ESSEC Bussines School – Franța.	2x1	2
	4.	Membru în colectivul grantului, Responsabil WP 3 din Programul Operațional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.1.4 – Atragerea de personal cu competențe avansate din străinătate pentru consolidarea capacității de CD. Titlul Proiectului: <i>Noi nano-arhitecturi de inspirație biologică de tip cellular – pentru circuite integrate, Nano-ART-BioCell – P_37_744</i> , valoare 8.502.600 lei, 2016-2019 Responsabil la pachetul WP 3 – Valentina E. Balas	2x4	8
	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	2x1	2

Total A2.4
TOTAL A2

A3.1.1 Cărți, ISI

16
544
2432,64
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Recunoașterea și impactul activității (A3)	Citări în cărți, reviste și volume ale unor manifestări științifice	1. Visual analysis of geospatial habitat suitability model based on inverse distance weighting with paired comparison analysis By: Varatharajan, R.; Manogaran, Gunasekaran; Priyan, M. K.; Valentina E. Balas, Barna Cornel MULTIMEDIA TOOLS AND APPLICATIONS Volume: 77 Issue: 14 Pages: 17573-17593 Published: JUL 2018	8p/6autori	1,33 25 citari
		1. An Effective Detection Mechanism for Localizing Macular Region and Grading Maculopathy By: Dhivyaa, C. R.; Vijayakumar, M. JOURNAL OF MEDICAL SYSTEMS Volume: 43 Issue: 3 Article Number: 53 Published: MAR 2019	IF 2,098 Q2	2,66
		2. Visualization of real-time monitoring datagraphic of urban environmental quality By: Chen, Pengyu EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING Article Number: 42 Published: FEB 12 2019 Free Full Text from Publisher	IF 1,737 Q2	2,66
		3. Score level based latent fingerprint enhancement and matching using SIFT feature By: Manickam, Adhiyaman; Devarasan, Ezhilmaran; Manogaran, Gunasekaran; et al. MULTIMEDIA TOOLS AND APPLICATIONS Volume: 78 Issue: 3 Pages: 3065-3085 Published: FEB 2019	IF 1,541 Q2	2,66
		4. HloTPOT: Surveillance on IoT Devices against Recent Threats By: Gandhi, Usha Devi; Kumar, Priyan Malarvizhi; Varatharajan, R.; et al. WIRELESS PERSONAL COMMUNICATIONS Volume: 103 Issue: 2 Pages: 1179-1194 Published: NOV 2018	IF 1,2 Q4	1,33
		5. Secure Disintegration Protocol for Privacy Preserving Cloud Storage By: Rawal, Bharat S.; Vijayakumar, V.; Manogaran, Gunasekaran; et al. WIRELESS PERSONAL COMMUNICATIONS Volume: 103 Issue: 2 Pages: 1161-1177 Published: NOV 2018	IF 1,2 Q4	1,33
		6. Internet of Things with Maximal Overlap Discrete Wavelet Transform for Remote Health Monitoring of Abnormal ECG Signals By: Sundarasekar, Revathi; Thanjaivadivel, M.; Manogaran, Gunasekaran; et al.	IF 2,098 Q2	2,66

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| 7. | Design and development of microstrip patch antenna with circular and rectangular slot for structural health monitoring
By: Padmavathy, T. V. ; Bhargava, D. S. ; Venkatesh, P. ; et al.
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Q2 | 2,66 |
| 8. | Optimization of QoS parameters using scheduling techniques in heterogeneous network
By: Chandra, I. ; Prabha, K. Helen ; Sivakumar, N.
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Q2 | 2,66 |
| 9. | Speech recognition with improved support vector machine using dual classifiers and cross fitness validation
By: Kanisha, B. ; Lokesh, S. ; Kumar, Priyan Malarvizhi ; et al.
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| 10. | Region-specific multi-attribute white mass estimation-based mammogram classification
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| 11. | An improved nature inspired meta-heuristic algorithm for 1-D bin packing problems
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- [Paillier homomorphic cryptosystem with poker shuffling transformation based water marking method for the secured transmission of digital medical images](#)
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 By: [Murugeswari, T.](#); [Rathi, S.](#)
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15. [A novel Gini index decision tree data mining method with neural network classifiers for prediction of heart disease](#) IF 0,516 Q4 **1,33**
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16. [PEA: Parallel electrocardiogram-based authentication for smart healthcare systems](#) IF 3,991 Q1 **2,66**
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| <p>18.
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Q2</p> | <p>2,66</p> |
| <p>19.
 Combining spatial analysis with MCDA for the siting of healthcare facilities
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Q1</p> | <p>2,66</p> |
| <p>20.
 A new architecture of Internet of Things and big data ecosystem for secured smart healthcare monitoring and alerting system
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| <p>21.
 A big data classification approach using LDA with an enhanced SVM method for ECG signals in cloud computing
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 Geometric mean filter with grayscale morphological method to enhance the RNFL thickness in the SD-OCT images
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| <p>23.
 Hybrid Recommendation System for Heart Disease Diagnosis based on Multiple Kernel Learning with Adaptive Neuro-Fuzzy Inference System
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 Indoor Localization Using Visible Light Communication And Image Processing
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| <p>25.
 A novel three-tier Internet of Things architecture with machine learning algorithm for early detection of heart diseases
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Q1</p> | <p>5,32</p> |
| <p>2.
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| <p>3.
 Towards Wi-Fi Radar in Collapsed Structures
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[Performance Evaluation of Hypervisors and the Effect of Virtual CPU on Performance](#)

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Location: Guangzhou, PEOPLES R CHINA Date: NOV 07-11, 2018

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[Extraction of Texture Features from X-Ray Images: Case of Osteoarthritis Detection](#)

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6. Organizator și 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**)

7. Co-Chair împreună cu Lotfi A. Zadeh la conferința 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/>

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<http://kes2008.kesinternational.org/>; <http://kes2008.kesinternational.org/KES2008-program.pdf>

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10. 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, <http://www.trivent.hu/2009/sofa2009/> (**categoria C în ARC**)

11. 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/>

12. 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>

13. 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.

14. Technical Committee la KES Focus Group on Intelligent Decision Technologies, 2010, KES International, <http://www.kesinternational.org/idt-focus.php> , (**categoria B în ARC**)

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**)

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**)

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://fuzziieee2011.nutn.edu.tw/download/FUZZ-IEEE%202011-SS32-12082010.pdf> , (**categoria A în ARC**)

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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> ,
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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://iee-sofa2012.org/>, **(categoria C în ARC)**
27. Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2013, 7-10 Iulie, 2013, Hyderabad, India, SS-24: New Trends in Fuzzy Adaptive Control,
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28. Publication and Proceedings Chair la 5th International Conference on Computers Communications and Control, ICCCC 2014, Băile Felix, Oradea, România, May 7-9, 2014,
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29. Co-Organizator al unei Sesiuni Speciale la FUZZ-IEEE 2014, 6-11 Iulie, 2014, Beijing, China, SS: FZ-03: *Adaptive Fuzzy Control for Nonlinear Time-delay Systems Control*, Valentina E. Balas, Tsung-Chih Lin, Rajeeb Dey, <http://www.ieee-wcci2014.org/accepted-ss.htm>
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32. 32. Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2015, Istanbul,
<http://fuzzieee2015.org/program/special-sessions/>

33.Publicity Co-Chair la WCCI 2016, Vancouver, Canada,
<http://www.wcci2016.org/committees.php>
 33.Organizator si General Co-Chair la The 4th IEEE International Workshop on Soft Computing Applications - SOFA 2016, 24-26 August 2016, Arad – Romania,
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 34.Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2017, Neaple, Italy, 2017,

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Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare

A3.3.

Selectie

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Chair pentru două Special Sessions to RASC 2006 <http://www.rasc2006.org.uk/program.htm>

Chair la The 7th WSEAS International Conference on FUZZY SYSTEMS, Session: Fuzzy Systems and Applications AUTOMATION & INFORMATION (ICAI'06), Cavtat, Croatia, June 12-14 2006.

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Conference Chair la International Joint Conference on Fuzzy Engineering and Intelligent Transportation FEIT 2011, Xi'an, China, 10-11, December, 2011, <http://www.feit-conf.org>, <http://www.feit-conf.org/committees.html>

Chair la 16th WSEAS International Conference on CIRCUITS, (part of CSCC '12), Kos Island, Greece, July 14-16, 2012, <http://www.wseas.org/wseas/cms.action?id=1047>
Program Committee Chair la The 3rd International Conference on System science, Engineering design and Manufacuring informatization, ICSEM 2012, 20-21 October, 2012, Chengdu, China, <http://www.sem-conf.org/committees.htm>,

General Chair la The International Conference on Information, Intelligent and Engineering Application, ICIEA 2013, May 11-12, 2013 in Xi-An, China, <http://www.iciiea.org/Committees.htm>

Chair la 1st International Conference on CUSTOM INTEGRATED CIRCUITS, CIC '13, Antalya, Turkey, October 8-10, 2013, <http://www.wseas.org/wseas/cms.action?id=5508>

General Chair la International Conference on Recent Advances in Physics, RAPHY 2013, December 1 to 3, 2013, Xianning, China, <http://www.icraphy.org/tpc.aspx>

Membru in Advisory Board la International Journal of Railway Research (IJRARE), Iran, <http://ijrare.iust.ac.ir/>

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Membru in Editorial Board la International Journal of Practical Electronics,
<http://www.sciencepubco.com/index.php/IJPE/index>

Member in Organizing Committee la OMICS Group's 3rd International Conference and Exhibition on Biometrics & Biostatistics, October 20-22, 2014 in Baltimore MD USA,
<http://omicsgroup.com/biometrics-biostatistics-conference-2014/committee.php>

General Chair la International Conference on Recent Advances in Physics (RAPHY2014) will be held during May 16-18, 2014 in Lushan, <http://www.ic-raphy.org/tpc.aspx>

2010

Membra in Technical Program Committee la INES 2010, 14th IEEE International Conference on Intelligent Engineering Systems 2010, Las Palmas of Gran Canaria, Canary Islands, Spain, May 5-7, 2010, <http://www.ines-conf.org>, <http://www.ines-conf.org/ines-conf/2010committees.htm>

Membra in Committee Members la 6th International Conference on Networked Computing, INC 2010, May 11-13, 2010, Gyeongju, Republic of Korea, <http://www.aicit.org/inc/committee.html>

Membra in Committee Members la 3rd NISS 2010, International Conference on New Trends in Information and Service Science, May 11-13, 2010, Gyeongju, Republic of Korea, <http://www.aicit.org/niss/committee.html>

Membra in Program Committee la theThird International Conference E- Medical, Systems E-MEDISYS 2010, Fez, Morocco, May 12-14, 2010, <http://www.setit.rnu.tn/e-medisys/?main=1&pg=commitee>

Membra in International Program Committee la International Conference on Computers, Communications and Control ICCCC 2010, Băile Felix, Oradea, România, May 12-16, 2010, <http://www.iccc.univagora.ro/organization/program-committee>

Membra in International Program Committee la ICAdET'2010, the 8th International Conference on Advances in Electro-Technologies, 27-28 May 2010, Oradea, Romania, http://electroinf.uoradea.ro/ICADET2010/progr_comitee.htm

Membra in International Scientific Committee la AFASES 2010, The International Session of XII-th Scientific Papers „Scientific Research and Education in the Air Force”, 27-29 May, 2010, Brasov, Romania, http://www.afahc.ro/sesiune/INVITATIE%20AFASES%202010_buna.pdf

Membra in International Advisory Board la International Joint Conferences on APPLIED Intelligent Engineering and Technical Informatics - APPIE-CONTI 2010 May 27-29, 2010, Timisora, Romania, <http://bmf.hu/conferences/appie2010/committees.htm>

Membra in International Program Committee la IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics - ICC-CONTI 2010 May 27-29, 2010, Timisora, Romania, <http://old.bmf.hu/conferences/icc-conti2010/committees.htm>

Membra in Committee la ICIS 2010, The 3rd International Conference on Information Sciences and Interaction Sciences, June 23-25, 2010, Chengdu, China, <http://209.85.129.132/search?q=cache:bhCfYtrso0J:nms.dongguk.ac.kr/icis/committee.html+valentina+e.+balas&cd=93&hl=ro&ct=clnk&gl=ro>

Membra in Student Session Program Committee la SEE-MAS 2010 – The South Eastern European Multi-Agent Systems Summer School, 5-10 July, 2010, Bucharest, Romania, <http://see-mas2010.cs.pub.ro/committees/>

Membra in Program Committee la The North American Fuzzy Information Processing Society Annual Conference NAFIPS 2010 , 14-17 July 2010, Toronto, Canada, http://nafips2010.org/index.php?option=com_content&view=category&layout=blog&id=12&Itemid=14

Membra in International Program Committee la The 2nd International Symposium on Intelligent Decision Technologies, KES IDT 2010, Baltimore, USA, 28 - 30 July 2010, <http://idt-10.kesinternational.org/cmsIPCdisplay.php>

Membra in Committee Members la 6th International Conference on Networked Computing and Advanced Information Management, NCM 2010, August 17-19 2010, Seoul, Korea, <http://www.aicit.org/ncm/committee.html>

Membra in Committee Members la 6th International Conference on Digital Content, Multimedia Technology and its Applications, IDC 2010 August 17-19 2010, Seoul, Korea, <http://www.aicit.org/idc/committee.html>

Membra in International Program Committee la NASTEC'2010, The North-American Simulation Technology Conference, August 25-27, 2010, Digipen Institute of Technology, Redmond, USA, <http://www.eurosis.org/cms/index.php?q=node/1324>

Membra in Technical Program Committee la VECIMS 2010 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 6-8 September 2010, <http://vecims.ieee-ims.org/organizers.php>

Membra in Program Committee la The 7th International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO 2012, Ostrava, Czech Republic, 5-8 September 2012, <http://soco.usal.es/>

Membra in Program Committee la EST 2010, International Conference on Emerging Security Technologies, 6-8 September 2010, Canterbury, UK, <http://www.est-2010.info/pc.html>

Membra in Program Committee la MASTS 2010, The 2nd International Workshop on Multi-Agent Systems Technology and Semantics, in conjunction with 4th International Symposium on Intelligent Distributed Computing - IDC'2010, Tangier, Morocco, September 16-18, 2010, <http://aimas.cs.pub.ro/masts2010/committee>

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>

Membra in International Program Committee la The "International Workshop on Reasoning-based Intelligent Systems RBIS 2010, <http://www.u-hyogo.ac.jp/shse/ris-ws>, at International Congress on Ultra Modern Telecommunications and Control Systems ICUMT2010, October 18-20, 2010, Moscow, Russia, <http://www.icumt.org/>

Membra in International Program Committee la ICFC 2010 International Conference on Fuzzy Computation, 24-26 October, Valencia, Spain, http://www.icfc.ijcci.org/call_for_papers.asp

Membra in Organizing Committee la Annual International Academic Conference on Software Engineering, SE 2010, 8-9 November 2010, Singapore, http://www.softwareeng.org/index.php?option=com_content&view=article&id=26&Itemid=7

Membra in IPC la ICSEM 2010, International Conference in System Science, Engineering Design and Manufacturing Informatization, 12-14 November, 2010, Yichang, China, <http://www.sem->

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Membra in IPC la ICETET 2010, International Conference on Emerging Trends in Engineering and Technology, 19 – 21 Noiembrie, 2010, Nagpur, India,
http://www.icetet.org/prog_committee.html

Membra in IPC la PCO 2010 Global Conference on Power Control and Optimization, 2-4 Decembrie 2010, Damai Puri, Kuching, Sarawak, Borneo, Malaysia,
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Membra in International Program Committee la 5th International Conference on Complex Distributed Systems, CODS'2011, Mannheim, Germany, 5-7 December 2011,
<http://siwn.org.uk/cods11/>

Membra in Program Committee la Annual International Conference on Software Engineering, SE 2010, Date: 6 - 7 December 2010, Phuket, Thailand,
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Membra in Interational Program Committee la International Conference on Information Management, Technical Management and Intelligent Technology ICITI 2011, Hong Kong, China March 26-28, 2011, <http://www.iciti-conf.org/committee.html>

Membra in Committee Members la Women's International Research Engineering Summit, WIRES 2011, March 30 - April 1st, Orlando Florida, USA, <http://wires.gatech.edu/committee.php>

Membra in Program Committee la The 6th International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO 2011, April 6-8th, 2011, Salamanca, Spain,
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Membra in Program Committee la IEEE Symposium on Foundations of Computational Intelligence, IEEE SSCI 2011 Halle aux Farines, Paris, France, April 11 – 15, 2011, IEEE –CIS,
<http://www.gimac.uma.es/foci2011/Main.html>

Membra in International Program Committee la The 22nd Midwest Artificial Intelligence and Cognitive Science Conference, MAICS 2011, in April 16-17, 2011, Cincinnati, USA,
<http://maics2011.ewu.edu/index.php/MAICS2011>,
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Membra in International Advisory Board, SACI 2011, 6th International Symposium on Applied Computational Intelligence and Informatics, May 19-21 2011, Timisoara, Romania,
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Membra in Technical Program Committee la the 11th International Conference on Engineering of Modern Electric Systems, EMES 2011, Computer Science and Control Systems Session, 26-27 Mai 2011, Oradea Romania,
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<http://dest2011.debi.curtin.edu.au/index.php/home>

Membra in International Program Committee la The 5th Global Conference on Power Control and Optimization PCO 2011, Dubai, United Arab Emirate, from 1 - 3 June 2011,
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Membra in Program Committee la ICCSIT 2011, 4th IEEE International Conference on Computer Science and Information Technology, June 10-12, 2011, Chengdu, China,
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Membra in Program Committee la 2nd International Conference on Next Generation Information Technology - ICNIT 2011, June 21-23, 2011, Gyeongju, Korea,
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Membra in Program Committee la 7th International Conference on Networked Computing and Advanced Information Management – NCM 2011, June 21-23, 2011, Gyeongju, Korea,
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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

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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), <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

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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>

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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>

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

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Membra in International Program Committee la 6th IEEE International Conference on Digital Ecosystems Technologies- Complex Environment 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>

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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>

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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/forensicaresearch2012/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 Committee 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 TECHNOLOGY 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, ICMME 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, 24thFebruary, 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/Editorial%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/Editorial%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/Editorial%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/Editorial%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, Mumbai, 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 Control, Decision and Information Technologies, 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, ICIEA 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 Advisory 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 3rd International 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/Editorial%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](http://www.icmcsd-13.com/index.php?var=7), 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/icaais2013-committee>

Membra in International Advisory Committee la 2nd International Conference on Information & Communication Engineering (ICICE-2013), 25th 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.ualgary.ca/Organization.php>

Membra in Program Committee la Third International Symposium on Data-Driven Process Discovery 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 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/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.msftteh.org/telemed2013/program/program-
committee/](http://www.msftteh.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/committees-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.iiitm.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 Symposium 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 Congress 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%20Committee.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/committee/>

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 Conference on e-Services and Knowledge Management, IIAI-ESKM 2014, August 31 - September 4, 2014, Kitakyushu, Japan, <http://aai2014.iaiai.org/eskm.html>

Membra in Technical Advisory Committee la CDMIC-2014, International Conference on Data Mining and Intelligent Computing 2014, 5-6 September 2014, Delhi, India, <http://igit.ac.in/ICDMIC-2014/commitee.html>

Membra in International Program Committee la 6th Győr Symposium and 3rd Hungarian-Polish and Hungarian-Romanian Joint Conference on Computational Intelligence, 15-17 September 2014, Gyor, Hungary, <http://6thconfci.sze.hu/committee>

Membra in Program Committee la The 5th Annual International Conference of Infocomm Technologies in Competitive Strategies (ICT 2014), Special Track on Software Engineering & Applications, 22-23 September 2014, Singapore, <http://www.softwareeng.org/Committee.html>

Membra in Program Committee la 3rd International Conference on Advances in Computing, Communications and Informatics, ICACCI-2014, Delhi, India, September 24-27, 2014, <http://icacci-conference.org/website/pc>

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

Membra in Comitetul Stiintific la Les Actions de Coopérations Internationales pour l'Enseignement et la Recherche en Génie Beyrouth, CONF 2014, Liban - 16 à 18 Octobre 2014, <http://citef.org/comite-scientifique-2>

Membra in Program Committee la 1st International Conference on Future RFID Technologies and host the Workshop on Smart Applications for Smart Cities Eger, Hungary, 6-7 November, 2014, <http://futuresrfid.ektf.hu/>

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

Membra in Technical Program Committee la International Conference of Contemporary Computing and 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 (INMIC 2014), 8-10 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 Industrial 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 Intelligence in Data Mining (ICCIDM-2014), 8-10 December 2014, Burla, Odisha, http://www.iccidm.in/advisory_committee.html

2015

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

Membra in Technical Program Committee la Conference Research and Fuzziology, January 29-31, 2015, Shanghai, China, <http://www.scirp.org/Conference/OrganizingCommittee.aspx?ConferenceID=71>

International Collaboration Committee Chair la IEEE INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE & COMMUNICATION TECHNOLOGY, 13-14 February 2015, ABES Engineering College, Ghaziabad, India, http://www.iecekerala.org/wp-content/uploads/2014/08/Call-for-paper_IEEE-CICT-2015.pdf

Membra in International Advisory Committee la International Conference on Recent Research on Computing, Communications & Informatics (ICRRCI-2015), 27-28 February 2015, in Dr. Virendra Swarup Group of Institutions, Unnao, Uttarpradesh Pradesh, India, http://icrrci.com/?page_id=38

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

Membra in IPC la International Conference on Recent Trends in Technology Research – ICRTTR 2015, will be 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 Computing (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 Technology Research – ICRTTR 2015, March 21-22, 2015, Visakhapatnam, India, <http://icrttr.in/committees/>

Membra in Advisory Committee la International Conference on Computational Intelligence 2015 (ICCI 2015), 9-10 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 Big Data, Small Data, Linked Data and Open Data, ALLDATA 2015, April 19 - 24, 2015 - Barcelona, Spain, <http://www.iaria.org/conferences2015/ComALLDATA15.html>

Membra in Technical Program Committee la Asia Pacific Conference on Multimedia and Broadcasting, APMediaCast 2015, Bali, Indonezia, 23-25 April 2015, <http://apmediacast.org/committees/>

Membra in International Scientific Committee la 3rd International Conference on Control, Engineering & Information Technology CEIT'2015 which will be held in Tlemcen, Algeria, 25-27 May, 2015, <http://lat.univ-tlemcen.dz/ceit2015/committees.php>

Membra in Scientific Committee la The 20th International Conference on Control Systems and Computer Science (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 APPLIED 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 Engineering of Modern 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, Electronics & Vision (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 in Computing and Informatics (WCI-2015), 10-13 August 2015, Kochi, India, <http://icacci-conference.org/web/wci-committee>

Membra in Technical Program Committee la The International Symposium on Intelligent Systems Technologies and Applications (ISTA'15), 10-13 August 2015, Kochi, India, <http://icacci-conference.org/ista2015/committee.html>

Membra in Technical Program Committee la 2015 12th International Conference on Fuzzy Systems and 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, Renewable Energy, and Communications 2015, ICCEREC 2015, 27-29 August 2015, Bandung Indonesia, http://iccerrec.org/?page_id=10

Membra in Program Committee la 7th Balkan Conference in Informatics, BCI 2015, September 2-4, 2015, 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/committees.php>

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

Membra in International Program Committee la 19th International Conference on Knowledge-Based and 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 October,
<http://ictinnovations.org/ict-innovations-2014/programme-committee>

Membra in Program Committee la The Second International Conference on Information Systems for Crisis Response and Management in Mediterranean Countries (ISCRAM-med 2015), Tunis, 28-30 October 2015, Tunisia,
<http://www.riadi.rnu.tn/iscrammed2015/programCom.php>

Membra in International Program Committee la International Conference on Research in Computational 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, Symposium on Foundations of Computational Intelligence, FOCI'15, IEEE, 7–10 December 2015, Cape Town, South Africa, <http://ieee-ssci.org.za:8080/FOCI>

2016

Membra in Technical Program Committee la 2016 IEEE First International Conference on Control, 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 Power and Energy 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 Internationally 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 Committee 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 Advisory 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 September 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, Zrejanin, 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>
2017

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/prgcommittee.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), <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 Program 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, Majhitara, 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, Hawaii, USA, <http://www.ieeebigdata.org/2017/organization.html>

Membra in Program Committee la INISTA2017 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 Committee 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 Committee 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, 18-23 September, 2017, Skopje, R. Macedonia, <http://ictinnovations.org/ict-innovations-2017/programme-committee>

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

Member in Steering Committee of 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>

Member in Technical Program Committee of 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 of 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>

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

Member in Advisory Team of 1st International Conference on Data, Engineering and Applications 2017 (IDEA-2k17), October 28-29, 2017 Bhopal, India, <http://ideaconference.in/Committee.html>

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

Member in Technical Program Committee of International Conference Data and Information Sciences ICDIS 2017, 3-4 November 2017, Indira Gandhi National Tribal University, Amarkantak, M.P. , India, <http://www.icdis.info/committee/technical/>

Honorary Advisory Chair and Member in Advisory Committee of 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>

Member in Technical Program Committee of 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 Committee la International Conference on Cutting Edge Technologies in Computing and Communications, 10-11 January, Cennai, India, <http://sriramec.edu.in/ICCETCC-2018/International-Conference-CSE.pdf>

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

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

Member in International Scientific Committee of the ICAA 2018 : 20th International Conference on Adaptive Architectures, 21-23 January, Dubai, UAE, <http://waet.org/conference/2018/01/dubai/ICAA/committees>

Member in Technical Program Committee of the International Conference on Computer Vision and Image Analysis applications (ICCVIA' 2018), 28-30 January, 2018, Cairo, Egypt, <http://iccvia.org/tpc/>

Member in technical Program Committee of the International Conference on Communication, Computing & Internet of Things - (IC3IoT 2018), Chennai, India, 15-17 February 2018, <http://ic3iot-conference.org/tpc.html>

Technical Program Chair of the ICBDCI'18 - International Conference on Big Data & Computational Intelligence, 16-18 February, 2018, Goa, India, <http://www.icbdci.org/committee/committee.html>

Member in Technical Program Committee of the International Conference on Emerging Trends in Expert Applications & Security (ICETEAS 2018) to be held in Jaipur, India, 17-18 February, 2018, <http://iceteas.in/committees.html>

Member in International Advisory Committee of the International Conference On POWER, ENERGY, CONTROL AND TRANSMISSION SYSTEMS, Harnessing Power and Energy for an affordable Electrification of India 22ND & 23RD FEBRUARY, 2018, Chennai, India, http://www.icpects2018.com/Advisory_Committee.html

Member in Technical Committee of the 2018 International Conference on Mechatronics, Control and Robotics will be held in Ho Chi Minh, Vietnam during February 25-27, 2018, <http://icmcr.org/committee.html>

Member in Advisory Committee for eHaCON-2018: International Ethical Hacking Conference, 2018, Institute of Engineering & Management, Gurukul, Kolkata, India, April 6-7, 2018, <https://easychair.org/cfp/eHaCON2018>

Member in International Advisory Committee for International Conference on Advances in Green Communication Technologies (ICAGCT-2018), will be organized by the Dept. of Electronics &

Communication Engineering ,T. John Institute of Technology, Bangalore-560083, during 7th- 8th May, 2018, <http://icagct.com/committee.html>

Membra in Scientific Committee la International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2018), 11-13 May 2018, Safranbolu, Turkey, <http://icatces.org/committee.php>

Membra in Technical Program Committee la 6th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2018), 4-6 June 2018, Silchar, India, <http://www.icacni.com/committee>

Membra in Technical Program Committee la 6th International Conference on Advanced Computing, Networking, and Informatics, (ICACNI – 2018), 04 - 06 June 2018, Silchar, India, <http://www.icacni.com/committee>

Membra in Technical Committee la The 7th International Conference on Big data Congress (Bigdata Congress 2018), June 25-30, 2018, Seattle, USA, <http://www.ieeebigdata.org/2017/organization.html>

Membra in International Advisory Committee la International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2018) is being organized on 07-08, August 2018 at Hotel Arcadia,Coimbatore, India, <http://www.icoici.org/Committee.html>

Membra in Program Committee la World Symposium on Digital Intelligence for Systems and MACHines DISA-2018, 23 – 25 August 2018, Košice, Slovak Republic, <http://sacc-eu.eu/en/news/world-symposium-on-digital-intelligence-for-systems-and-machines-disa-2018/>

Membra in Advisory Committee la 2018 International conference on Cyber Physical Systems and IoT, CSPIOT 2018, 21-23 Septembrie, 2018, Stockholm, Suedia, <http://www.cpsiot.org/commit.html>

Membra in Advisory Committee la 3rd International Conference on Communication and Electronics Systems (ICCES 2018), 15-16 October 2018, Coimbatore, India, <http://icoecs.org/committee.html>

Membra in Advisory Committee la 3rd International Conference on Communication and Electronics Systems (ICCES 2018) is being organized on 18-19 October 2018, Coimbatore India, <http://icoecs.org/committee.html>

Member in Advisory/Technical Committee la IEEE International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET-2018), 21-22 Decembrie 2018, Saintgits College of Engineering, Kottayam, India, <http://www.iccsdet.com/advisory-technical-program-committee/>

2019

Member in International Advisory Committee la TECHNOCON'19, 11-13 January, 2019, Kolkata, India, <http://www.technocontig.in/committe.php>

Member in Technical Program Committee to 2nd International Conference on Signal Processing and Information Communications will be held in Phuket, Thailand during January 19-21, 2019, <http://www.icspic.com/committee.html>

Member in International Advisory Board to 1st INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN TECHNOLOGY & APPLICATIONS, Lucknow, India, <https://aktu.ac.in/pdf/collegenewsandevent/ETTA-Brochure.pdf>

Member in International Coordination Committee to 10th International Conference on "Emerging Trends in Computing Technology and Management" 7 to 9 February, 2019, Bhopal, India, <http://titbhopal.net/wp-content/uploads/2019/01/brochure-for-mail-01.pdf>

Member in International Advisory Committee to 1st International Conference on Computers and Information Technology, 8-10 February, Cairo, Egypt, <http://nspconfs.com/iccit2019/Default.aspx>

Member in Advisory Board la Fourth International Conference on Communication, Computing and Information Technology, ICCIT 2019, 15th and 16th February 2019, M.O.P. Vaishnav College for Women(Autonomous), Chennai, India, 15-16 February 2019, <http://www.mopvc.edu.in/iccmit2019/>

Member in Technical Program Committee to 2nd International Conference on Mechatronics, Control and Robotics, [Fukuoka Institute of Technology](#), Fukuoka, during February 23-25, 2019, <http://www.icmcr.org/committee.html>

Keynote Speaker to International Conference on Sustainable Computing in Science, Technology and Management, SUSCOM-2019, February 26 - 28, 2019, Amity University Rajasthan, Jaipur, India, <http://suscom.org.in/Speakers.html>

Honorary Chair si Membra in Technical Program Committee la 1st International Conference on Machine Learning, Image Processing, Network Security and Data sciences (MIND-2019), 3 - 4 March 2019, NIT Kurukshetra, India, <https://www.mind2019.in/organizers>

Membra in Technical Program Committee la 6th International Conference INDIACom-2019, 13-15 March 2019, New Delhi, India, <http://www.bvicam.ac.in/indiacom/technicalProgrammeCommittee.asp>

Technical Program Chair si Invited Speaker la la International Conference on Intelligent Machines, 15 - 16 March, 2019 Baba Farid College of Engineering and Technology, Bathinda, INDIA
<http://112.196.18.149:8082/committee.aspx>

General Chair and Invited Speaker to International Conference on Cognitive Informatics & Soft Computing (CISC-2019), Annamacharya Institute of Technology & Sciences, 9th to 10th April 2019, Rajampet, INDIA, <http://www.iccisc.com/committees.html>,
<https://www.iccisc.com/brochure.pdf>

Member in International Advisory Committee la 1st International Conference on Innovation in Information and Communication Technologies (ICIICT 2019), St. Peter's College of Engineering and Technology, 25-26 April 2019, Avadi, Chennai, Tamil Nadu, INDIA,
<https://www.spcet.ac.in/iciict2019/#speakers>

Member in Scientific Committee to 2nd International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), 26-28 April 2019 Alanya, TURKEY,
<http://icatces.org/committee.php>

Membra in Technical Committee to International Conference on Advances in Science, Engineering and Robotics Technology 2019 EWU, Dhaka, Bangladesh, 3-5 May 2019,
<https://icasert.com/technical-committee/>

Membra in International Organizing Committee la Yazhi Global Research Conference on Science, Engineering & Technology, THE ARCADIA HOTEL, Coimbatore, Tamilnadu, India on 18th May 2019, <http://ygrc19.com/index.php/organizing-committee/>

Membra in International Advisory Board la [IEEE 13th International Symposium on Applied Computational Intelligence and Informatics](http://conf.uni-obuda.hu/saci2019/committees.html), SACI 2019, Timisoara, Romania, <http://conf.uni-obuda.hu/saci2019/committees.html>

Member in Technical Committee to 6th International Conference on Advances in Biology and Chemistry (ICABC 2019) will be held in Nanjing University of Science and Technology, China during June 24-26, 2019, <http://www.icabc.org/com.htm>

Member in International Advisory Committee to Yazhli Global Research Conference on Science, Engineering, Technology & Management (YGRC19) 29 JUNE 2019, THE ARCADIA, COIMBATORE, TAMILNADU, INDIA, <http://ygrc19.com/index.php/organizing-committee/>

Conference Chair and Keynote Speaker la The 2nd International Conference of Computer Science and Renewable Energies « ICCSRE'2019 », July 22-24, 2019, Agadir, Morocco. <https://iccsre2019.akrit.org/keynote-speakers/>

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

A3.4.

1. 21 septembrie 2007 – CHC₆₁ - Mențiune, 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
1. Septembrie 2005 – Certificate of Achievement din partea IEEE Romanian Section în semn de recunoaștere a eforturilor pentru organizarea Workshopului Internațional IEEE SOFA 2005 prima ediție, Szeged/Arad.
2. August 2007 – Certificate of Achievement din partea IEEE Romanian Section – în semn de recunoaștere a eforturilor pentru organizarea Workshopului Internațional IEEE SOFA 2007 ediția a doua, Iula/Oradea.

2532

15/ premiu

3. 06.10.2007 – Timișoara –Asociația pentru Tehnologia Informației și Comunicații din Romania a acordat Premiul pentru Excelență 2007 ATIC echipei de studenți de la Universitatea “Aurel Vlaicu” din Arad pentru merite deosebite în crearea unui site al istoriei tehnicii de calcul din Romania. Echipa a fost formată din: Andrei Valentin Stoica, Aura-Letiția Rugea, Alexandru Țigan, Kristina Drienovski și coordonatorul științific - Conf. Dr. Ing. Valentina Bălaș de la Universitatea “Aurel Vlaicu” din Arad.
4. Grant CNCISIS tip PREC ISI - ”PREMIEREA REZULTATELOR ÎN CERCETARE “ PN-II-RU-PRECISI-2008, martie 2008, Cod CNCISIS 203, *Fusion devices and changes of belief*, Journal of Intelligent and Fuzzy Systems.
- V. E. Bălaș, 2000 RON, poziția 169.
5. Diplomă de participare ca mentor la trei echipe studențești în cadrul competiției GOOGLE Online Marketing Challenge 2008.
6. Certificat de apreciere de la Georgia National Science Foundation pentru participarea ca expert internațional la State Science Grants Competition 2009.
7. 18 martie 2011 Certificate of Achievement din partea Romania IEEE pentru contribuții aduse dezvoltării profesiei de inginer.
8. Premiera 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. Premiera 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. Premiera 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. Premiera rezultatelor cercetării Premiu ANCS 2015 4.000+2.000 lei
12. Premiera rezultatelor cercetării în UAV – 8 articole ISI = 2100 EURO
13. Premiera rezultatelor cercetării UEFISCDI –2.000 lei,
http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_201

[6/PROCES%20EVALUARE/Rezultate/PRECISI Rezultate%20eligibilitate_lista%2025_08_2016.pdf](http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_Rezultate%20eligibilitate_lista%2025_08_2016.pdf)

14. Premierea rezultatelor cercetarii UEFISCDI - 1.000 lei,
http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%204_28_10_2016.pdf
15. Premierea rezultatelor cercetarii UEFISCDI –1.000 lei,
http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%204_28_10_2016.pdf
16. Premierea rezultatelor cercetarii UEFISCDI 2017
17. Diploma de Excelenta UAV, decembrie 2016
18. Diploma de excelenta din partea Facultatii de Automatica si Calculatoare a Universitatii Politehnica Bucuresti, octombrie 2017.
19. Premierea rezultatelor cercetarii UEFISCDI 2018
20. Premiul Academiei Romane – Tudor Tanasescu 2019

TOTAL A3

**330
4152,64**

Formula de calcul a indicatorului de merit ($A = A1+A2+A3$) $A = \sum_i K_{1i} + \sum_i K_{2i} + \sum_i K_{3i}$, unde p_i – Indice specific tipului si categoriei de activitate

¹Capitolul de carte editată trebuie să NU fie într-un volum de conferință (cu ISBN) și se punctează cu 1/4 din punctajul pentru cartea din categoria respectivă

²Dacă cartea respectivă se regăsește în cel puțin 50 de biblioteci din străinătate conform catalogului WorldCat.

³Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se consideră factorul de impact echivalent 0.75 (lista acestora agreată și ținută la zi de comisia CNATDCU nr.15 fiind disponibilă la adresa www.cnatdcu-c15.org);

⁴ Pentru domeniul Calculatoare, Tehnologia Informației și Ingineria Sistemelor sunt recunoscute următoarele baze de date internaționale (BDI): ISI, Scopus, IEEE (Institute of Electrical and Electronics Engineers) Xplore, Science Direct, Elsevier, Springerlink, ACM (Association for Computing Machinery), DBLP, EURASIP, Wiley, Inspec

⁵Se dublează punctajul dacă rezultatul este înregistrat la WIPO, EPO, USPTO, JPO.

⁶Nu se consideră în această categorie proiecte/granturi care nu prezintă un caracter predominant de cercetare. Se consideră numai proiecte/granturi relevante pentru profilul postului scos la concurs / domeniul de abilitare. Candidatul va atașa documente care să demonstreze caracterul de cercetare al proiectului

⁷ Se exclud autocitățile (auto-citarea se referă la situația în care numele candidatului apare simultan atât printre numele autorilor referinței bibliografice în cauză cât și printre numele autorilor articolului care citează, conform WOS https://images.webofknowledge.com/WOKRS523R4/help/WOS/hs_crsearch_self_citations.html)

⁸Se dublează punctajul dacă citarea provine dintr-o revistă cotate ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI).

⁹ Nu se considera calitatea de recenzor al unor articole individuale

Condiții minimale

Nr.crt.	Domeniul de activitate	Punctaj impus	Punctaj realizat	Criteriu îndeplinit (DA/NU)
A1	Activitate didactică / profesională (A1)	100	380,38	DA
A2	Activitatea de cercetare (A2)	600	2685,02	DA
A3	Recunoașterea impactului activității (A3)	150	4152,64	DA
	TOTAL (A)	850	7218,04	DA

Condiții minime obligatorii pe subcategorii

Criteriu / condiție pe subcategorii		Impus	Realizat	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte	16	DA
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	15 din care minim 3 în reviste cotate ISI Q1/Q2	101 articole ISI si ISI Proceedings Din care 16 Q1 si 11 Q2	DA
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	45	DA
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS)	25	425	DA
	Factor de impact ISI cumulat pentru publicații	10	402,64	DA

Prof.univ.dr.ing. BĂLAȘ Valentina Emilia

Semnătura

