

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.Habil.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,**

Prof.univ.Habil.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
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Bălaș V

1	Universitatea „Politehnica” din Timisoara	Inginerie Electronica si Telecomunicatii	1996-2003	Doctor, CUM LAUDE
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2. Îndeplinirea standardelor minime

Domeniul activităților 1	Categorii și restricții 2	Subcategorii 3	Indicatori (kpi) 4	Punctaj 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. Anirudh Nath, Rajeeb Dey, Valentina E. Balas, <i>Nonlinear Control for Blood Glucose Regulation of Diabetic Patients: An LMI Approach</i> , in Advanced Studies in Complex Systems series, Elsevier, ISBN : 978-0-323-90776-7, 147 pag, 2022, https://www.elsevier.com/books/nonlinear-control-for-blood-glucose-regulation-of-diabetic-patients-an-lmi-approach/nath/978-0-323-90776-7	100 150 biblioteci	33,33
			2. Engineering Research Methodology A Practical Insight for Researchers Deb, Dipankar, Dey, Rajeeb, Balas, Valentina E. ISBN 978-981-13-2947-0, © 2019, Available Formats: Hardcover, eBook, 110 pag,	100 260 biblioteci	33,33
			3. 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	100 215 biblioteci	33,33
			4. 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	100 161 biblioteci	25
			5. 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=IwAR3fgfIAc8sailtvIHPnwjBqp06CInHFXjy0Vn7BcOkqlebR8fIHcCJwUdw , ISBN: 9780128213537 , Elsevier, 212 pag., 2020	100 201 biblioteci	33,33
			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.	25	12,5

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			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, Springer, DPLB (Computer Science Bibliography) indexed , http://www.springer.com/engineering/book/978-3-642-01884-8 .	25 403 biblioteci	12,5
			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. Klemous 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	25 389 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	25 373 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	12,5	6,25
			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.	25 390 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, <u>Barna Iantovics</u> , Roumen Kountchev (Eds.) in <u>Studies in Computational Intelligence</u> , ISBN: 978-3-319-00466-2 (Print) 978-3-319-00467-9, Volume 486, 2014 , pag. 97-106.	25 338 biblioteci	8,33

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| 16. Shahzadi Tayyaba, Waqas Khalid, Muhammad Waseem Ashraf, Valentina Emilia Balas, <i>Principles and paradigms in IoT-based healthcare using RFID</i> , pag, 251-269, in <i>Healthcare Paradigms in the Internet of Things Ecosystem</i> , 2021 | 25
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37. [Engineering Research Methodology](#) 0
A Practical Insight for Researchers
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38. **Balas, V.E.**, Solanki, V.K., Kumar, R., Khari, M. (**editori**) 0
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43. [Innovative Research in Transportation Infrastructure](#) 0
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Activitatea de cercetare (A2)1. Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI A 2.1.

(25+30*IF)
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| 54. | Valentina E. Bălaș , Marius M. Bălaș. <i>Traffic Management by Constant Time to Collision</i> , Ignac Lovrek, Robert J. Howlett and Lakhmi C. Jain (Eds.), Book: <i>Knowledge-Based Intelligent Information and Engineering Systems</i> , 12th International Conference, KES 2008, Zagreb, Croatia, September 3-5, 2008, Proceedings, Part III, LNCS 5179/2008 , pag. 658–663, 2008, © Springer-Verlag Berlin Heidelberg 2008, ISBN 978-3-540-85566-8, http://www.springerlink.com/content/54066776m5814356/ , DPLB (Computer Science Bibliography) indexed, ACM, SCOPUS indexed, (ARC Cat. B). | 20 | 10 |

B. Balas

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http://www.springerlink.com/content/u50w1n1652815147/ (ARC Cat. C) | 20 | 10 |
| 56. | V. E. Balas , C. M. Noaica, J.R. Popa, C. Munteanu, V. C. Stroescu, <i>Establishing PNN-Based Iris Code to Identity Fuzzy Membership for Consistent Enrollment</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 357, ISSN 2194-5357, ISBN 978-3-319-18415-9, Vol. 2, pag. 805-818, (ARC Cat. C, SCOPUS). | 20 | 4 |
| 57. | N. Popescu-Bodorin, V. E. Balas , <i>Best Practices in Reporting Iris Recognition Results</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 357, Volume 2, pag. 925-938, (ARC Cat. C, SCOPUS) | 20 | 10 |
| 58. | D. Balas Timar, V. E. Balas , R. Lile, Rajendra Sinha, <i>Fuzzy scoring algorithm and long term job performance</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, 2016, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2014, AISC, Volume 357, Vol. 2, pag. 925-938, (ARC Cat. C, SCOPUS) | 20 | 5 |
| 59. | D. Jude Hemanth, Valentina E. Balas and J. Anitha, <i>Hybrid Neuro-Fuzzy Approaches for Abnormality Detection in Retinal Images</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. 295-306, (ARC Cat. C, SCOPUS) | 20 | 6,67 |

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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 |
| 61. | Ahmad Taher Azar, Hanaa S. Ali, Valentina E. Balas , Teodora Olariu, Rujita Ciurea, <i>Diagnosis Boosted Decision Trees for Vertebral Column Disease Diagnosis</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. 319-334, (ARC Cat. C , SCOPUS) | 20 | 4 |
| 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: Valentina Emilia Balas , Lakhmi C. Jain , Xiangmo Zhao , ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing , 2017, pp 529-539. | 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 International Conference on Information Technology and Intelligent Transportation Systems ITITS 2015, held December 12-13, 2015, Xi'an China, Editors: Valentina Emilia Balas , Lakhmi C. Jain , Xiangmo Zhao , ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing , 2017, pp 541-551. | 20 | 4 |
| 64. | Sirshendu Hore, Sankhadeep Chatterjee, V. Santhi, Nilanjan Dey, Amira S. Ashour, Valentina Emilia Balas , Fuqian Shi, <i>Indian Sign Language Recognition Using Optimized Neural Networks</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: Valentina Emilia Balas , | 20 | 2,85 |

Baru V

Lakhmi C. Jain, Xiangmo Zhao, ISBN: 978-3-319-38769-7, Volume 455 of the series Advances in Intelligent Systems and Computing, 2017, pp 553-563.

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 competiție Contracte cu agenți economici, în valoare de minim 10000 USD echivalent încasați	Director /responsa bil partener	A2.4.1. 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 - Valentina E. Bălaș, grant castigat prin competiție</i> http://wires.gatech.edu/main.php , http://www.wires.gatech.edu/committee.php , http://wires.gatech.edu/resources/WIRES2-agenda.pdf	20x1 20
			3. Global Initiative for Academic Network (GIAN) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.	20x1 20

Baru

IIT Kharagpur- the national coordinator for India

Valentina E. Balas – responsible Romanian partner

Funding of GIAN: 12.000 USD,

Proiect câștigat prin competiție în India - Mai 2016, derulat în septembrie 2016,

<http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/>

http://www.nits.ac.in/gian/Brochure_Fuzzy_Interpolative_Controller_and_Appln_V_Balas.pdf

4. Proiectul PN-III-P3-3.1-PM-RO-CN-2018, poziția 10 din lista celor 29 de proiecte aprobate: <https://www.uefiscdi.ro/https://resource-84873://-PN3-P3-554/16.07.2018> - Competiția de cooperare bilaterală România – Republica Populară Chineză, directori de proiect Oana Geman, Universitatea Ștefan cel Mare din Suceava și Guojun Wang, Guangzhou University, Guangzhou, Guangdong, China, Pentru partener Universitatea Aurel Vlaicu din Arad cu director Valentina E. Balas având titlul TEHNICI INTELIGENTE PENTRU APLICATII MEDICALE UTILIZAND REțele DE SENZORI, acronym GUSV, Domeniul Tehnologiei informaționale și de comunicații, valoare 79.488 lei, durată 2 ani.

40

5. **Un număr de 50 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.

120

A2.4.1. naționale
2.

10 * ani desfășurare

- | | | |
|---|------|-----------|
| 1.. Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme in cooperare cu Universitatea „Politehnica” București prin Banca Mondială. Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - V. E. Balas luna noiembrie-decembrie 1999, Senzori inteligenți fuzzy, în cadrul laboratorului LAMII, Annecy, Franța. Valoare: 2000\$. | 10x1 | 10 |
| 2. Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme in cooperare cu Universitatea „Politehnica” București prin Banca Mondială. Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - V. E. Balas , luna ianuarie-februarie 2001, Senzori inteligenți fuzzy, în cadrul laboratorului LAMII, Annecy, Franța, Valoare: 2000\$. | 10x1 | 10 |

Balas V

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|----|--|------|-----------|
| 3. | Contract de finantare UEFISCDI - 48/29.11.2016 - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetatori cu experienta din diaspora – cod depunere PN-III-P1-1.1-MCD2016-0108, Responsabil – Valentina E. Balas , Cercetator din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - 2100 EURO , proiect obtinut prin competitie nationala. | 10x1 | 10 |
| | Director de proiect – Valentina E. Balas , Soft Computing and Applications. | 10x1 | 10 |
| 4. | Contract de cercetare obtinut prin competitie 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. Șef de contract - V. E. Balas . Valoare: 5.000.000 ROL. | | |
| 5. | Contract de cercetare obtinut prin competitie Nr. 5095.05.11.2010 <i>cu SC Computer Voice Systems Romania SRL „ Cercetări privind Studiul oportunității utilizării tehnologiei GWT pentru aplicațiile web cu flux de date real time”</i> , Universitatea „Aurel Vlaicu” din Arad, <i>Responsabil de contract - Valentina E. Balas</i> , 1000 Ron. | 10x1 | 10 |
| 6. | Director de Proiect la Proiectul UEFISCDI – mobilitatea cercetatorilor cu experients for a Mobility project for experienced researchers from diaspora - PN-III-P1-1.1-MCD-2021-0028, https://uefiscdi.gov.ro/resource-868178-mcd-2021_lista-1_rezultate-preliminare_cereri-depuse-03.11-2021-.pdf?&wtok=&wtkps=XY5BDolwEEXv0rVip6WCw8YTGBNPALTCGBRohUYNd5cSF+pq/syf9/NzTPDIUCJzpFnmUMXIREGXob7Fz97Qri76x6WDmFdVk4+1tb1/2IYO9RqKbusFhOIHKgINyChMgUyJj9jfwZbPzmuxr9/L/EuYA9l07SUKLULpy0kISxBpnV3O542MuEiFSIX6RI6owJASQAJcvVrglqowx8D/Jv5VPMmCDmra6uHxkStraLBnMmVmqKRjI9ye6eybVg2vQE=&wchk=4f152c1213a327f9dcfc923497028d1250391a90 | 10x1 | 10 |

Membru A2.4.2. internaționale
în echipă 1.

- 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,

60
4 * ani desfășurare
4x3 **12**

B. Balas

Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș, **august 2010-august 2012.**

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 (Slovakia) și Barna Iantovics (Romania)
Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș,
ianuarie 2011-ianuarie 2013.

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 by the Human Factors and Simulation in Disaster Management Research Team at the University of Central Florida. The UCF HFDM Research is led by Dr. Pamela McCauley 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

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|---------|--|---------------------|
| | | 28 |
| A2.4.2. | naționale | 2 * ani desfășurare |
| 2. | i. 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 acționărilor electrice”. Iulie 2004. Executant principal: Universitatea „Politehnica” Timișoara. membri UAV – M.M. Balas și V. E. Bălaș . Valoare: 800 EURO. | 2 |
| 7. | 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 Cercetări pentru Inteligența Artificială al Academiei Române – Acad. Dan Ioan Tuفیș, 30.000 Ron, Colaborator – Valentina E. Bălaș , | 2 |
| 8. | POSDRU/89/1.5/S/56287 , Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și | 2 |

Bălaș V

processe 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.

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|----|--|-----|----------|
| 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 celular – 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 <i>obținut prin competiție</i> 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, <i>Responsabil de contract</i> – Marius M. Balas, Membru în echipa de cercetare - Valentina E. Balas , 1000 Ron | 2x1 | 2 |
| 6. | Contract de cercetare <i>obținut prin competiție</i> cu numar de inregistrare 26/16.07.2022 între Universitatea Aurel Vlaicu si Data Support SRL Arad: Susținerea progresului tehnologic în servicii: modele matematice și soluții concrete, director de proiect Cornel Barna , valoare. 50.000 lei , | 2x2 | 4 |

20

Total A2.4

228
3251,45

TOTAL A2

Recunoașterea și impactul activității (A3)

Citări în cărți, reviste și volume ale unor manifestări științifice

A3.1.1

Cărți, ISI

a. [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

8/ nr. aut. articol citat
8p/5autor

1,6
46 citari

Barna V

1. [An Effective Detection Mechanism for Localizing Macular Region and Grading Maculopathy](#) IF 2,098 **3,2**
 By: [Dhivyaa, C. R.](#); [Vijayakumar, M.](#)
[JOURNAL OF MEDICAL SYSTEMS](#) Volume: 43 Issue: 3 Article Number:
 53 Published: MAR 2019
2. [Visualization of real-time monitoring datagraphic of urban environmental quality](#) IF 1,737 **3,2**
 By: [Chen, Pengyu](#)
[EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING](#) Article Number:
 42 Published: FEB 12 2019
[Free Full Text from Publisher](#)
3. [Score level based latent fingerprint enhancement and matching using SIFT feature](#) IF 1,541 **3,2**
 By: [Manickam, Adhiyaman](#); [Devarasan, Ezhilmaran](#); [Manogaran, Gunasekaran](#); et al.
[MULTIMEDIA TOOLS AND APPLICATIONS](#) Volume: 78 Issue: 3 Pages: 3065-
 3085 Published: FEB 2019
4. [HloTPOT: Surveillance on IoT Devices against Recent Threats](#) IF 1,2 **1,6**
 By: [Gandhi, Usha Devi](#); [Kumar, Priyan Malarvizhi](#); [Varatharajan, R.](#); et al.
[WIRELESS PERSONAL COMMUNICATIONS](#) Volume: 103 Issue: 2 Pages: 1179-
 1194 Published: NOV 2018
5. [Secure Disintegration Protocol for Privacy Preserving Cloud Storage](#) IF 1,2 **1,6**
 By: [Rawal, Bharat S.](#); [Vijayakumar, V.](#); [Manogaran, Gunasekaran](#); et al.
[WIRELESS PERSONAL COMMUNICATIONS](#) Volume: 103 Issue: 2 Pages: 1161-
 1177 Published: NOV 2018
6. [Internet of Things with Maximal Overlap Discrete Wavelet Transform for Remote Health Monitoring of Abnormal ECG Signals](#) IF 2,098 **3,2**
 By: [Sundarasekar, Revathi](#); [Thanjaivadivel, M.](#); [Manogaran, Gunasekaran](#); et al.
[JOURNAL OF MEDICAL SYSTEMS](#) Volume: 42 Issue: 11 Article Number:
 228 Published: NOV 2018
7. [Design and development of microstrip patch antenna with circular and rectangular slot for structural health monitoring](#) IF 1,924 **3,2**
 By: [Padmavathy, T. V.](#); [Bhargava, D. S.](#); [Venkatesh, P.](#); et al.

B. S. V.

[PERSONAL AND UBIQUITOUS COMPUTING](#) Volume: 22 Issue: 5-6 Pages: 883-893 Published: OCT 2018

- | | | | |
|-----|---|----------------|------------|
| 8. | Optimization of QoS parameters using scheduling techniques in heterogeneous network
By: Chandra, I. ; Prabha, K. Helen ; Sivakumar, N.
PERSONAL AND UBIQUITOUS COMPUTING Volume: 22 Issue: 5-6 Pages: 943-950 Published: OCT 2018 | IF 1,924
Q2 | 3,2 |
| 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.
PERSONAL AND UBIQUITOUS COMPUTING Volume: 22 Issue: 5-6 Pages: 1083-1091 Published: OCT 2018 | IF 1,924
Q2 | 3,2 |
| 10. | Region-specific multi-attribute white mass estimation-based mammogram classification
By: Padmavathy, T. V. ; Vimalkumar, M. N. ; Sivakumar, N.
PERSONAL AND UBIQUITOUS COMPUTING Volume: 22 Issue: 5-6 Pages: 1093-1098 Published: OCT 2018 | IF 1,924
Q2 | 3,2 |
| 11. | An improved nature inspired meta-heuristic algorithm for 1-D bin packing problems
By: Abdel-Basset, Mohamed ; Manogaran, Gunasekaran ; Abdel-Fatah, Laila ; et al.
PERSONAL AND UBIQUITOUS COMPUTING Volume: 22 Issue: 5-6 Pages: 1117-1132 Published: OCT 2018 | IF 1,924
Q2 | 3,2 |
| 12. | Paillier homomorphic cryptosystem with poker shuffling transformation based water marking method for the secured transmission of digital medical images
By: Priya, S. ; Varatharajan, R. ; Manogaran, Gunasekaran ; et al.
PERSONAL AND UBIQUITOUS COMPUTING Volume: 22 Issue: 5-6 Pages: 1141-1151 Published: OCT 2018 | IF 1,924
Q2 | 3,2 |
| 13. | | IF 1,2
Q4 | 1,6 |

Baru

[Machine Learning Based Big Data Processing Framework for Cancer Diagnosis Using Hidden Markov Model and GM Clustering](#)

By: [Manogaran, Gunasekaran](#); [Vijayakumar, V.](#); [Varatharajan, R.](#); et al.

[WIRELESS PERSONAL COMMUNICATIONS](#) Volume: 102 Issue: 3 Special Issue:

SI Pages: 2099-2116 Published: OCT 2018

14.

[QOS distributed routing protocol for mobile ad-hoc wireless networks using intelligent packet carrying systems](#)

By: [Murugeswari, T.](#); [Rathi, S.](#)

[DESIGN AUTOMATION FOR EMBEDDED SYSTEMS](#) Volume: 22 Issue: 3 Special

Issue: SI Pages: 201-213 Published: SEP 2018

IF 0,516
Q4

1,6

15.

[A novel Gini index decision tree data mining method with neural network classifiers for prediction of heart disease](#)

By: [Mathan, K.](#); [Kumar, Priyan Malarvizhi](#); [Panchatcharam, Parthasarathy](#); et al.

[DESIGN AUTOMATION FOR EMBEDDED SYSTEMS](#) Volume: 22 Issue: 3 Special

Issue: SI Pages: 225-242 Published: SEP 2018

IF 0,516
Q4

1,6

16.

[PEA: Parallel electrocardiogram-based authentication for smart healthcare systems](#)

By: [Zhang, Yin](#); [Gravina, Raffaele](#); [Lu, Huimin](#); et al.

[JOURNAL OF NETWORK AND COMPUTER APPLICATIONS](#) Volume: 117 Pages: 10-

16 Published: SEP 1 2018

IF 3,991
Q1

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 8. Organizator și General Co-Chair la The 4th IEEE International Workshop on Soft Computing Applications - SOFA 2016, 24-26 August 2016, Arad – Romania, <http://trivent.hu/2016/sofa/>, (**categoria C în ARC**)
34. Organizator a 3 Sesiuni Speciale la FUZZ-IEEE 2017, Neaple, Italy, 2017,

Membru in colegiul de redactie (editorial board) la reviste ISI:

Nr.	Numele cadrului didactic	Revista	ISSN	Pagina web www.	Pozitia ocupata

B. B. V.

1	Valentina E. Balas	IEEE Transactions on Fuzzy Systems Q1, IF = 11,9 ISI	1063-6706	https://cis.ieee.org/ publications/t- fuzzy-systems/tfs- editor-and- associate-editors	Associate Editor
2	Valentina E. Balas	IEEE Open Journal of the Computer Society Q1, IF = 8,1 ISI	2644-1268	https://www.comp uter.org/csdl/journ al/oj	Associate Editor
3	Valentina E. Balas	Applied Computing and Informatics Q1, IF = 4,9 ISI	ISSN: 2634- 1964	https://www.emera ldgrouppublishing. com/journal/aci	Member in the Advisory Board
4	Valentina E. Balas	Electronics Q2, IF=2,6 ISI	2079-9292	https://www.mdpi. com/journal/electr onics/editors Editorial Board Electronics MDPI	Editorial Board Member
5	Valentina E. Balas	International Journal of Computers Communication s & Control Q3, IF=1,9 ISI	Online 1841-9844	https://univagora.r o/jour/index.php/ij ccc/	Editorial Board

B. Balas

6	Valentina E. Balas	Acta Polytechnica Hungarica Q2 IF=1,4 ISI	20642687	https://www.uni-obuda.hu/journal/	Associate Editor Informatics
7	Valentina E. Balas	Journal of Intelligent Systems Q3, IF=2 ESCI	2191-026X	https://www.degruyter.com/view/j/jisy?lang=en	Editorial Board
8	Valentina E. Balas	Intelligent Decision Technologies Q4, IF=0,8 ESCI	1872-4981	https://journals.sagepub.com/editorial-board/idt	Associate Editor
9	Valentina E. Balas	International Journal of System Dynamics Applications Q4, IF=0,1 ESCI	2160-9772	https://www.igi-global.com/journal/international-journal-system-dynamics-applications/51803	Associate Editor Editorial Board

Balas V

Membru în colectivele de	A
redacție sau comitetele	3
științifice ale revistelor	.
indexate BDI, chair, co-	3
chair sau membru în	.
comitetele de organizare	
ale manifestărilor	
științifice indexate BDI	

Batu

Selectie

N r.	Numele cadrului didactic	Revista	ISSN	Pagina web www.	Pozitia ocupata
1	Valentina E. Balas	Journal of Information Technology & Software Engineering	2165- 7866	https://www.londom.org/information-technology-software-engineering/editorial-board.html	Editorial Board
2	Valentina E. Balas	Journal of Computer Science and Control Systems (JCSCS)	1844-6043	https://electroinf.uoradea.ro/index.php/jcscs.html	Asociat Editor
3	Valentina E. Balas	International Journal of Next- Generation Computing	2229-4678	International Journal of Next- Generation Computing	Editorial Board

Balas V

4	Valentina E. Balas	American Journal of Intelligent Systems	2165-8978	http://www.sapub.org/journal/editorialdetails.aspx?JournalID=1060&PersonID=16075	Editorial Board
5	Valentina E. Balas	Journal of Computer Science & Systems Biology	0974-7230	https://www.omicsonline.org/editorialboard-computer-science-systems-biology-open-access.php	Editorial Board
6	Valentina E. Balas	Journal of Medical Informatics and Decision Making	2641-5526	https://openaccesspub.org/journal/jmid/editorial-board	Editorial Board
7	Valentina E. Balas	Journal of Automation and Control Engineering	2301-3702	Editorial Boards - Journal of Automation and Control Engineering (JOACE)	Editorial Board
8	Valentina E. Balas	International Journal of Granular Computing, Rough Sets and Intelligent Systems	1757-2711	International Journal of Granular Computing, Rough Sets	Editorial Board

Balas V

				and Intelligent Systems (IJGCRSIS) Inderscience Publishers - linking academia, business and industry through research	
9	Valentina E. Balas	International Journal of Reasoning-based Intelligent Systems	1755-0556	https://www.inderscience.com/jhome.php?jcode=ijris#edboard-content	Editorial Board
10	Valentina E. Balas	Cyber Journals: Multidisciplinary Journals in Science and Technology	1925-2676	http://www.cyberjournals.com/associates.html	Associate Editor
11	Valentina E. Balas	International Journal of Nanotechnology and Molecular Computation	1941-6318	https://www.igi-global.com/journal/international-journal-nanotechnology-molecular-computation/	Associate Editor

Balas V

				1117#editorial-board	
12	Valentina E. Balas	Turkish Journal of Analysis and Number Theory	2333-1100	http://www.sciepub.com/journal/TJANT/editors	Editor
13	Valentina E. Balas	International Journal of Bio- Medical Informatics and e-Health	2321 - 9017	http://www.warse.org/IJBMIeH/editorialBoard International Journal of Bio-Medical Informatics and e-Health (IJBMIeH)	Advisory Committee Member
14	Valentina E. Balas	International Journal of Computers and Communications	2074-1294	http://www.naun.org/cms.action?id=3050	Associate Editor
15	Valentina E. Balas	International Journal of Digital Contents and Applications for Smart Devices	2205-8532	http://gvpress.com/journals/IJDCASD/eb.php	Editorial Board

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16	Valentina E. Balas	International Journal of Advanced Robotics and Automation	2473-3032	https://sympiononlinepublishing.com/robotics-automation/editorialboard.php	Editorial Board
17	Valentina E. Balas	Suresh Gyan Vihar University Journal of Engineering & Technology	2277-6915	https://www.gyanvihar.org/researchjournals/editorialboard.php	Advisory Board
18	Valentina E. Balas	Journal of Fuzzy Extension & Applications (JFEA)	2783-1442	http://www.journal-fea.com/journal/editorialboard https://reapress.com/editorial-board/	Editorial Board
19	Valentina E. Balas	<i>Journal of Mahani Mathematical Research (JMMR)</i>	2251-7952	https://jmmrc.uk.ac.ir/journal/editorialboard	Editorial Board
20	Valentina E. Balas	Informatics in Medicine Unlocked (Elsevier)	2352-9148	https://www.sciencedirect.com/journal/informatics-in-medicine-unlocked/about/editorial-board	Editorial Board

Baru

21	Valentina E. Balas	International Journal of Cyber Forensics and Advanced Threat Investigations	2753-9997	https://conceptechint.net/index.php/CFA-TI/about/editorialTeam	Associate Editor
22	Valentina E. Balas	Journal of Soft Computing and Artificial Intelligence	2717-8226	https://dergipark.org.tr/en/pub/jscai/boar_d	Editorial Board
23	Valentina E. Balas	International Journal of Computing and Related Technologies	(Print): 2518-4806 (Online): 2663-5429	https://ijert.smiu.edu.pk/index.php/smiu	Editorial Board
24	Valentina E. Balas	Intelligent Multimedia Processing and Communication Systems	2783-2570	https://impcs.zanjan.iau.ir/?lang=en	International Editorial Board
25	Valentina E. Balas	International Journal of Engineering & Technology (IJET)	2227-524X	https://www.sciencepubco.com/index.php/ijet/about	Editorial Board
26	Valentina E. Balas	International Journal of AI for Materials and Design	3041-0746	https://accesscien.com/journal/IJAMD/about/editorial_board	Editorial Board

B. Balas

27	Valentina E. Balas	Innovative Insights in Digital Health	Pending	https://www.sciencephotons.com/innovative-insights-in-digital-health/editorial-board	Editorial Board
28	Valentina E. Balas	Pakistan Journal of Scientific Research	0552-9050	https://paas-pk.org/index.php/pjosr/about/editorialHistory	Managing Editor

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, ICIIEA 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>

Valentina E. Balas

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>

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 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/forensicrosearch2012/committee.php>

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

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>

Conference Chair 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/>

General Chair la The 2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEEERE-2020) Kalinga Institute of Industrial



Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha , from 5th to 6th March 2020, <http://www.etaeere.in/committees.html>

Program Chair la The 5th International Conference on Research in Intelligent and Computing in Engineering. Thu DAU Mot University, Vietnam, 3-4 iunie 2020, <https://riceconference.in/committee/>

Conference Chair, Publication Chair and Member in Technical Committee la [International Conference of Computer Science and Renewable Energies "ICCSRE'2020"](https://www.icsre2020.org/) , Agadir, 22-24 July 2020, <https://icsre2020.akrit.org/committee/>

Publication Chair la 2nd International Conference on New Computer Science and Engineering Trends (NCSET2021), 2nd International Conference on Biological, Biomedical Sciences, Biotechnology, and Applications (BBSBA2021), December 30th, 2021 <http://worldscience.com/ncset2021/index.html#Objectives>

Publication Chair, to IEEE IAS GUCON 2021, 2021 IEEE International Conference on Computing, Power and Communication Technologies, Kuala Lumpur, Malaysia, <http://gucon.org/index.html>

Technical Program Chair la Second International Conference on Emerging Technologies for Computing, Communication and Smart Cities, 21 - 22 August, 2021, INDIA, ETCCS-2021, Baba Farid College, Punjab, India, <http://112.196.18.149:8082/committee.aspx>

Publicity Chair la he 4th International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R), December 8-10, 2021, [University of Malta, Msida, Malta](https://www.rtip2r-conference.org/2021/committees.html), <https://www.rtip2r-conference.org/2021/committees.html>

Banu

General Co-Chair la International Workshop Soft Computing Applications, SOFA 2022, 21-23 November 2022, Arad, Romania, <https://2022.sofa-org.eu/> ISI

Publication Chair la 2022 IEEE GLOBAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES (GlobConPT), September 23-25, 2022 at India Habitat Centre, Lodhi Road, New Delhi, India, <https://globconpt.org/committee.html>

Honorary Advisory Chair la 1st International Conference on Innovations in Data Analytics(ICIDA 2022) organized by International Knowledge Research Foundation in collaboration with Eminent College of Management and Technology(ECMT), West Bengal, India on 29th and 30th November, 2022, <http://icida.ikrf.in/committee.php>

General Chair la The sixth edition of National PhD Students Days, 15-16 November, Agadir, Morocco, <https://npsd2022.sciencesconf.org/resource/page/id/5> ISI

General Chair la International Conference on Advanced Communications and Machine Intelligence, M. Kumarasamy College of Engineering, Tamil Nadu, India, 09-11 December, 2022, <https://mica.org.in/2022/committee/>

Conference Chair to 2023 International Symposium on Design Studies and Intelligence Engineering (DSIE2023), Hangzhou, China on October 28-29, 2023, <http://www.dsieconf.org/committees.htm> ISI

Honorary Chair to the 1st International Conference on Artificial Intelligence, Advanced Materials, and Mechatronics Systems (AIAMMS-2023), November 3-4, 2023, Jaipur, India, <https://www.icrtcis.in/committees/>

Honorary Advisory Chair to 2nd International Conference on Innovations in Data Analytics (ICIDA 2023), organized by International Knowledge Research Foundation in collaboration with Eminent College of Management and Technology(ECMT), West Bengal, India 29th - 30th November, 2023, <http://icida.ikrf.in/committee.php> ISI

Member in Steering Committee to the 3rd International Conference on Ubiquitous Security 2023 (UbiSec-2023), 1-3 November, Exeter, UK, <https://hpcn.exeter.ac.uk/ubisec2023/committees.php> ISI



General Co-Chair to The 6th edition of Conference on Cloud and Internet of Things 2023 (CIoT'23), March 20 to 22, 2023, Lisbon, Portugal,
<https://ciot.dnac.org/organizing-committee/>
ISI


General Co-Chair to 2nd International Conference on Intelligent Computing Systems and Applications (ICICSA-2023), Organized by National Institute of Technology Silchar, September 22-23, 2023, <http://icicsa.nits.ac.in/committee.html> ISI

Program Chair to The International Conference on Connected Systems & Intelligence (CSI'23), [Kerala University of Digital Sciences, Innovation and Technology \(KUDSIT\)](#), Trivandrum, India on August 31, September 1-2, 2023, <https://connected-systems.org/?q=node/10>

Conference Chair to the International Conference Design Innovation for 3C's - Compute, Communicate and Control (ICDI3C - 2023), Bangalore, India, 26-27 May 2023, <https://mvjce.edu.in/event/icdi3c2023>

General Co-Chair, International Conference on Optimization Techniques in Engineering and Technology Engineering (ICOTET 2024), 25th -26th October 2024 at Dronacharya Group of Institutions, Greater Noida, UP, India.
[Home | ICOTET-2024 \(icotet2024.com\)](#)

Program Chair to 9th World Conference of Soft Computing (9th WConSC'24) will be held at the Institute of Control System, Ministry Science and Education of the Republic of Azerbaijan in Baku, Azerbaijan, on June 03-05, 2024.
<https://isi.az/en/announce/381/>



Program Chair to 9th International Conference Information, Communication & Computing Technology (ICICCT-2024), 11 May 2024, Jagan Institute of Management Studies (JIMS), Delhi, India, [ICICCT 2024 | JIMS Rohini \(jimsindia.org\)](https://icicct2024.jimsindia.org)

Chair to the Session III at IEEE 18th International Symposium on Applied Computational Intelligence and Informatics, SACI 2024, conference dedicated to the 75th birthday of Professor Dr. Imre Rudas, in the first day - 21 May, Siofok, Hungary, <https://conf.uni-obuda.hu/saci2024/>

			512	
Premii în domeniu	A	1.	21 septembrie 2007 – CHC ₆₁ - Mențiune, din partea IEEE Computer Society Web	15/ premiu
conferite de Academia	3		Programming Competition, pentru proiectul coordonat - „50 Years of Computing in	
Română, ASTR, AOSR	.		Romania”	
sau premii internaționale	4			
de prestigiu	.			

B. I. V.

2. 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.
3. 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.
4. Diplomă de participare ca mentor la trei echipe studențești în cadrul competiției GOOGLE Online Marketing Challenge 2008.
5. 18 martie 2011 Certificate of Achievement din partea Romania IEEE pentru contribuții aduse dezvoltării profesiei de inginer.
6. Premiul Academiei Române “Tudor Tanasescu”, 201191

7. Frontiers of Knowledge Award



Baru

8. *Honorary Professor – Galgotias University, India*



GALGOTIAS
UNIVERSITY



We are happy to announce that
Prof. (Dr.) Valentina Balas
Romanian
is joining Galgotias University as
HONORARY PROFESSOR
School of Computer Science
and Engineering

Prof. (Dr.) Valentina Balas
Nationality: Romanian

- Full Professor, Department of Automatics and Applied Software at the Faculty of Engineering, "Aurel Vlaicu" University of Arad, Romania.
- Director, Intelligent Systems Research Centre in Aurel Vlaicu University of Arad
- 300+ research papers in refereed journals and International Conferences.
- General Chair, the International Workshop Soft Computing and Applications (SOFA)
- Editor-in Chief, International Journal of Advanced Intelligence Paradigms (IJAIP)
- Editor-in Chief, International Journal of Computational Systems Engineering (IJSysE)
- Vice-president, IFSA International Fuzzy Systems Association Council (2013-2015)

Dr. V. Balas

BaSu¹

9. Academia Oamenilor de Știință din România - București - Gala premiilor pentru anul 2021 - **Premiul "ȘTEFAN ODOBLEJA"** și afilierea ca MEMBRU ASOCIAT AOSR, Secția XII - Știința și Tehnologia Informației, în mai 2023



Badea V

10. Premiul AGIR 2023 pentru anul 2022



Bălaș V

11. Academia Oamenilor de Știință din România - București - Gala premiilor pentru anul 2022 - **Premiul "ȘTEFAN ODOBLEJA"**, Secția XII - Știința și Tehnologia Informației, în 24 mai 2024

<https://www.aosr.ro/en/aosr-awards-gala-for-2022/>

<https://www.agerpres.ro/comunicate/2024/06/24/comunicat-de-presa-gala-premiilor-aosr-->

[1317542?fbclid=IwY2xjawHxNU9leHRuA2FlbQIxMAABHXYGI_3djMW5iyOPNu3ywZCX6h7gVb6vAwvz9IhXP2dBqwkcKB0ZNsrT4w_aem_4ffzqUBuag69nEnXFshsIQ](https://www.facebook.com/agerpres/posts/1317542?fbclid=IwY2xjawHxNU9leHRuA2FlbQIxMAABHXYGI_3djMW5iyOPNu3ywZCX6h7gVb6vAwvz9IhXP2dBqwkcKB0ZNsrT4w_aem_4ffzqUBuag69nEnXFshsIQ)



Badea V

12. Distinguished Researcher Award at the 7th International Conference on Mathematical Modeling, Applied Analysis and Computation, at Lebanese American University, Beirut, Lebanon, April 18-20 2024, ICMMAAC-24.

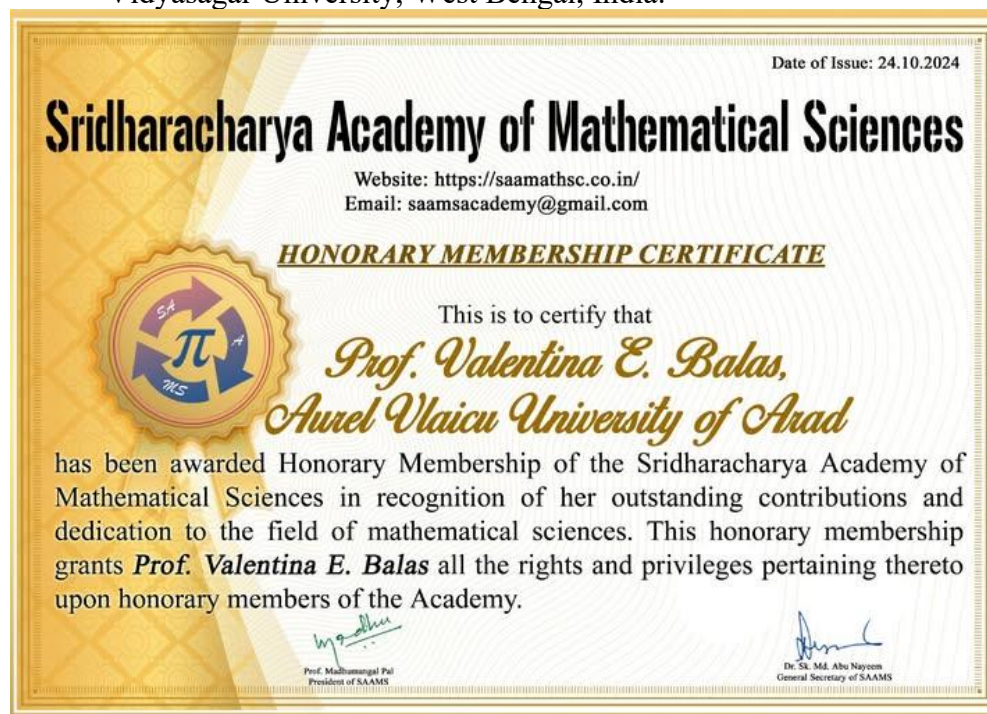
Organizers: The Lebanese American University, Beirut, LEBANON and Jaipur Mathematical Society, INDIA.

<https://soas.lau.edu.lb/conferences/icmmaac-24/>



Balal

13. Honorary Membership Certificate oferit de catre Prof. Madhumangal Pal,
President of Sridharacharya Academy of Mathematical Sciences
(SAAMS), Professor & Head, Department of Applied Mathematics,
Vidyasagar University, West Bengal, India.



Valentina E. Balas

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6554.5

B. J. V.

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 autocităările (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	477,48	DA
A2	Activitatea de cercetare (A2)	600	2620,45	DA
A3	Recunoașterea impactului activității (A3)	150	3879.5	DA
	TOTAL (A)	850	6977,43	DA

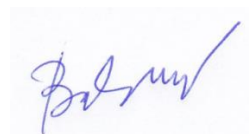
Bănuț

Condiții minime obligatorii pe subcategorii

Criteriu / condiție pe subcategorii		Impus	Realizat	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte	22	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	10 articole ISI si ISI Proceedings Din care 25 Q1 si 31 Q2	DA
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	11	DA
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS)	25	2168	DA
	Factor de impact ISI cumulat pentru publicații	10	632,64	DA

Prof.univ.habil.dr.ing. BĂLAȘ Valentina Emilia

Semnătura



Arad, 22.01.2026



BaSu¹