

# Raport de cercetare

## Centrul de Cercetare Sisteme Inteligente

### Perioada ianuarie-decembrie 2025

## 1. PUBLICAȚII

### Cărți de specialitate și capitole de carte

Nr.	Autor/Autori	Titlul cărții	Titlul capitolului	Editura
1	Shahzaib Ashraf, Chiranjibe Jana, <b>Valentina E. Balas</b> Witold Pedrycz	Emerging Fuzzy Intelligent Systems for Smart Healthcare Management. Applications of Disc q-Rung Orthopair Fuzzy Sets <a href="https://shop.elsevier.com/books/emerging-fuzzy-intelligent-systems-for-smart-healthcare-management/ashraf/978-0-443-33997-4">https://shop.elsevier.com/books/emerging-fuzzy-intelligent-systems-for-smart-healthcare-management/ashraf/978-0-443-33997-4</a>	227 pag.	Elsevier
2	Prisilla Jayanthi Gandam, Muralikrishna Iyyanki, Xi Chen, <b>Valentina Emilia Balas</b> , Utku Kose	<a href="#">Computational Modeling Applications for Climate Crisis</a> Computational Modeling Applications for Existential Risks	<a href="#">Emerging technologies approach for climate modeling</a> , pag. 85-105	Elsevier

## Cărți editate în 2025

1. **Emerging Fuzzy Intelligent Systems for Smart Healthcare Management. Applications of Disc q-Rung Orthopair Fuzzy Sets**

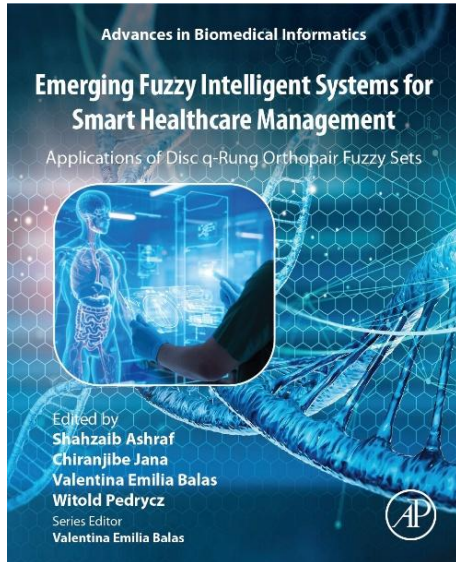
**Authors:** Shahzaib Ashraf - PAKISTAN

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[Valentina Emilia Balas](#) - ROMANIA

Witold Pedrycz - CANADA

<https://shop.elsevier.com/.../ashraf/978-0-443-33997-4>



2. **Proceedings of 5th International Ethical Hacking Conference Leveraging AI to Law (eHaCON 2024), Springer**

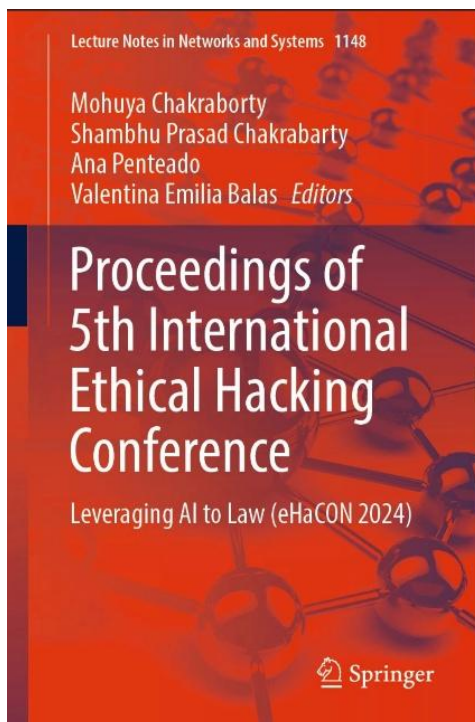
**Editors:** Mohuya Chakraborty - INDIA

Shambhu Prasad Chakrabarty - INDIA

Ana Penteadó - AUSTRALIA

[Valentina Emilia Balas](#) - ROMANIA

<https://link.springer.com/book/10.1007/978-981-97-8457-8>



3. Soft Computing in Smart Manufacturing and Materials, Elsevier

Editors: Sudan Jha - NEPAL

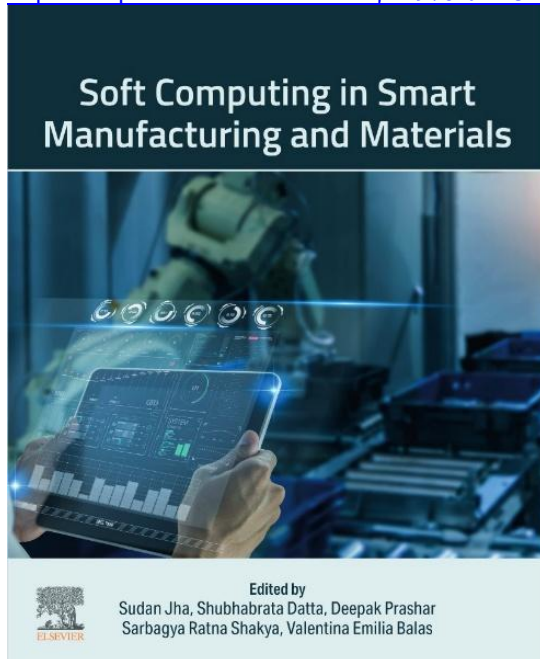
Shubhabrata Datta - INDIA

Deepak Prashar - INDIA

Sarbagya Ratna Shakya - USA

[Valentina Emilia Balas](#) - ROMANIA

<https://shop.elsevier.com/.../soft.../jha/978-0-443-29927-8>



4. Computational Intelligence for Genomics Data, Elsevier

Editors: Babita Pandey - INDIA

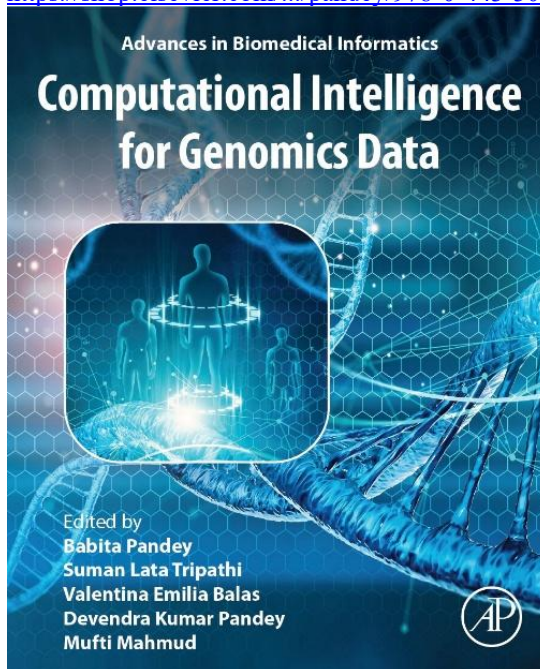
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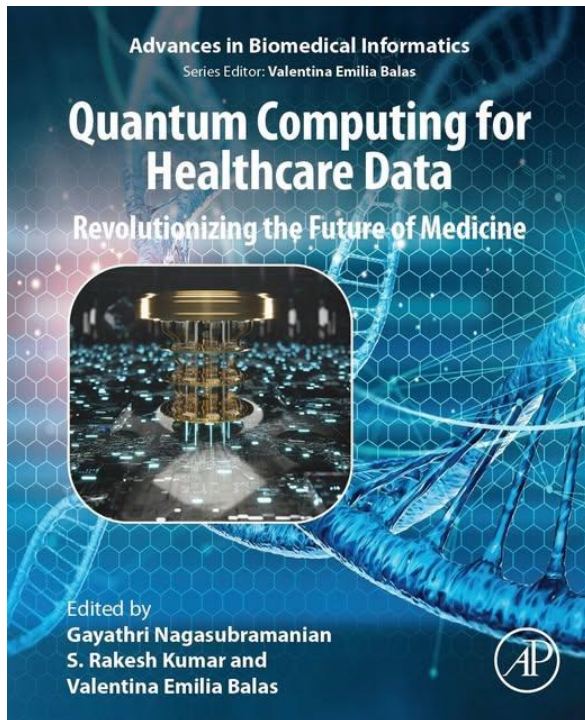
Devendra Kumar Pandey - INDIA

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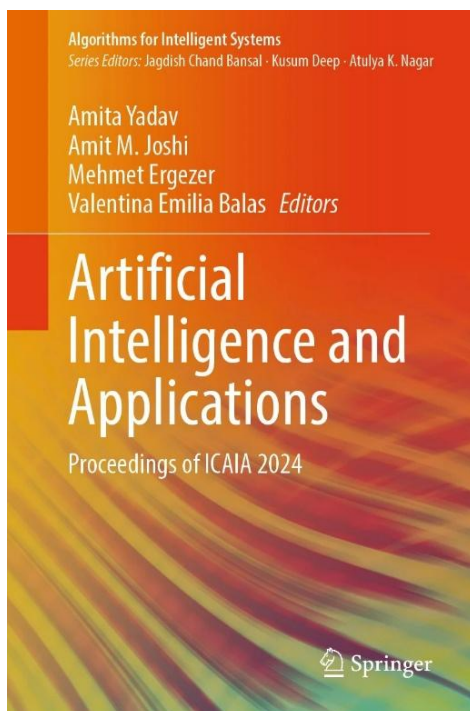
<https://shop.elsevier.com/.../pandey/978-0-443-30080-6>



5. Quantum Computing for Healthcare Data Revolutionizing the Future of Medicine, Elsevier  
Editors: Gayathri Nagasubramanian - INDIA  
S. Rakesh Kumar - INDIA  
[Valentina Emilia Balas](https://www.sciencedirect.com/book/9780443292972) - ROMANIA  
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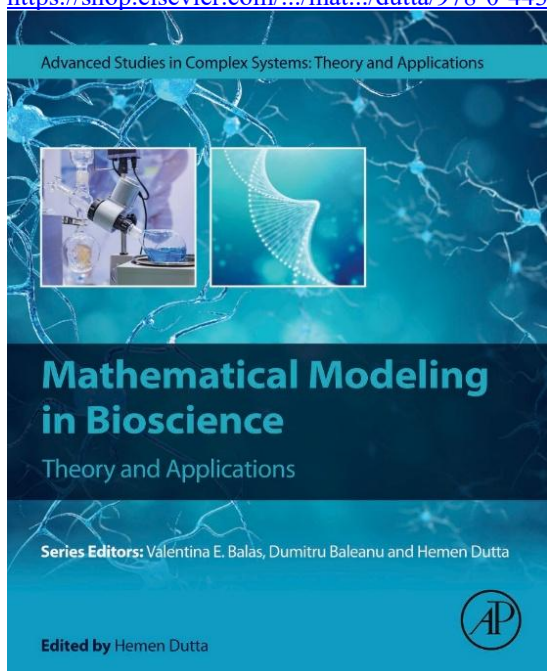
6. Artificial Intelligence and Applications. Proceedings of ICAIA 2024, Springer  
Editors: Amita Yadav - INDIA  
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Mehmet Ergezer - USA  
[Valentina Emilia Balas](https://link.springer.com/book/10.1007/978-981-97-8074-7) - ROMANIA  
<https://link.springer.com/book/10.1007/978-981-97-8074-7>



7. *Mathematical Modeling in Bioscience: Theory and Applications*, Elsevier, in our series: *Advanced Studies in Complex System. Theory and Applications*, edited by Valentina Emilia Balas (Romania), Dumitru Baleanu (Lebanon), and Hemen Dutta (India),

Editor: Hemen Dutta – INDIA

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8. *Artificial Intelligence in Microbial Research*, Springer

Editors: Babita Pandey - INDIA

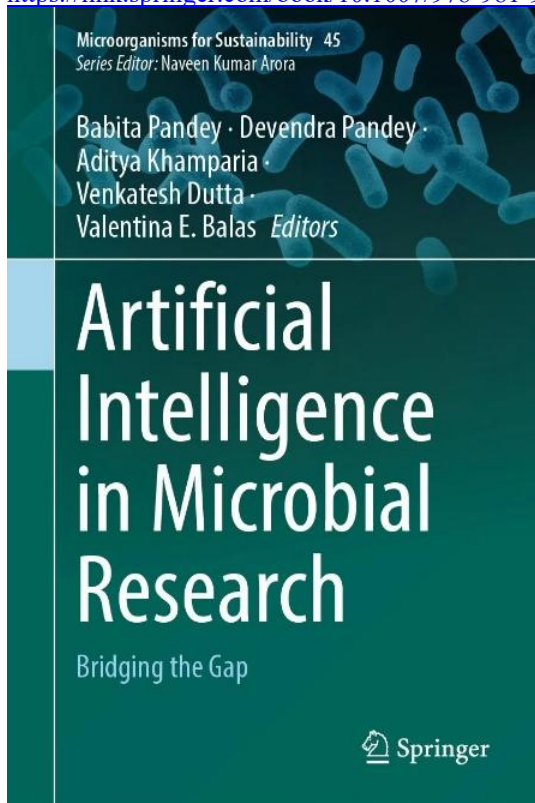
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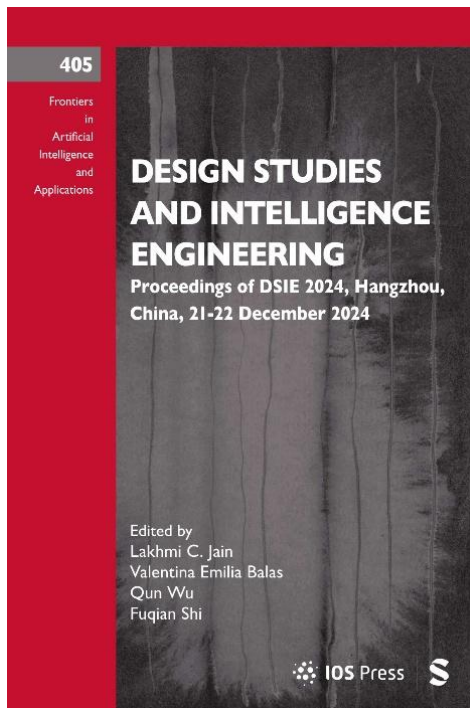
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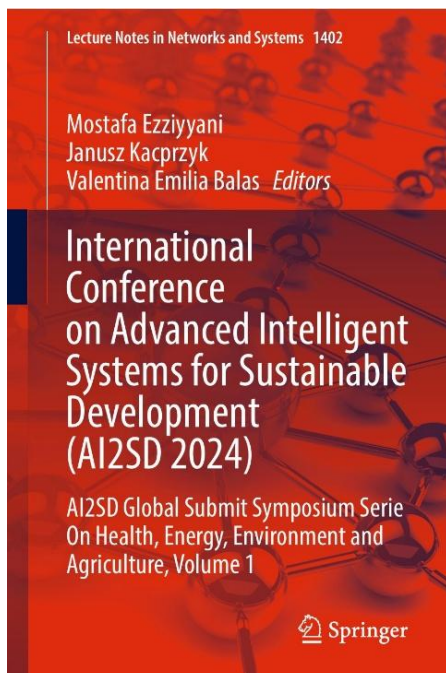
<https://link.springer.com/book/10.1007/978-981-96-3448-4>



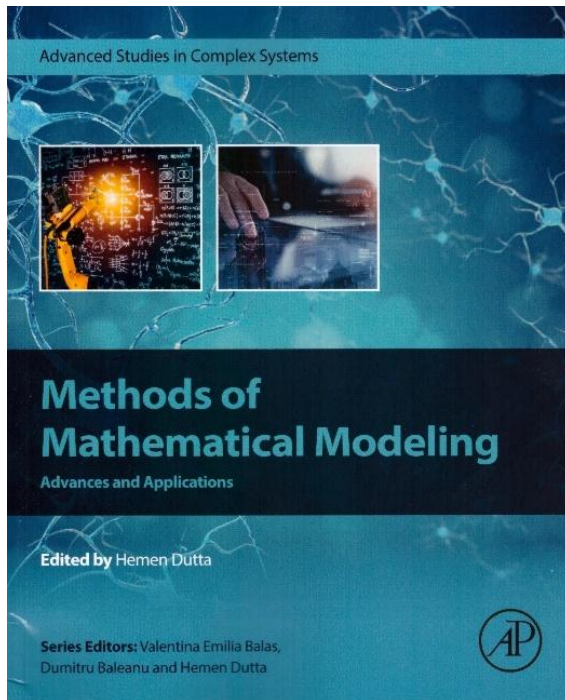
9. Design Studies and Intelligence Engineering. Proceedings of DSIE 2024, Hangzhou, China, 21-22 December 2024, IOS Press  
Editors: Lakhmi C. Jain - UK  
[Valentina Emilia Balas](#) - ROMANIA  
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<https://ebooks.iospress.nl/ISBN/978-1-64368-586-1>



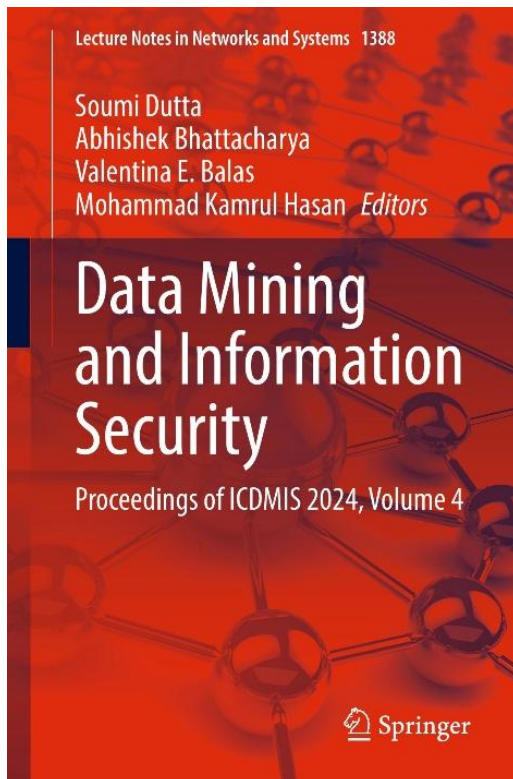
10. International Conference on Advanced Intelligent Systems for Sustainable Development (AI2SD 2024), AI2SD Global Submit Symposium Serie On Health, Energy, Environment and Agriculture, Volume 1, Springer  
Editors: Mostafa Ezziyyani - MOROCCO  
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<https://link.springer.com/book/10.1007/978-3-031-91334-1>



11. *Methods of Mathematical Modeling: Advances and Applications*, Elsevier, in our series *Advanced Studies in Complex Systems: Theory and Applications*, Elsevier  
Editor, Hemen Dutta - INDIA  
<https://shop.elsevier.com/.../met.../dutta/978-0-443-13317-6>



12. *Data Mining and Information Security*, Springer  
Editors: Soumi Dutta - INDIA  
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[Valentina Emilia Balas](https://link.springer.com/book/10.1007/978-981-96-6063-6) - ROMANIA  
Mohammad Kamrul Hasan - MALAYSIA  
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13. AI Frontiers: Transforming Health, Agriculture, and Education, CRC Press (Taylor & Francis Group).

Editors: Sonia Juneja - INDIA

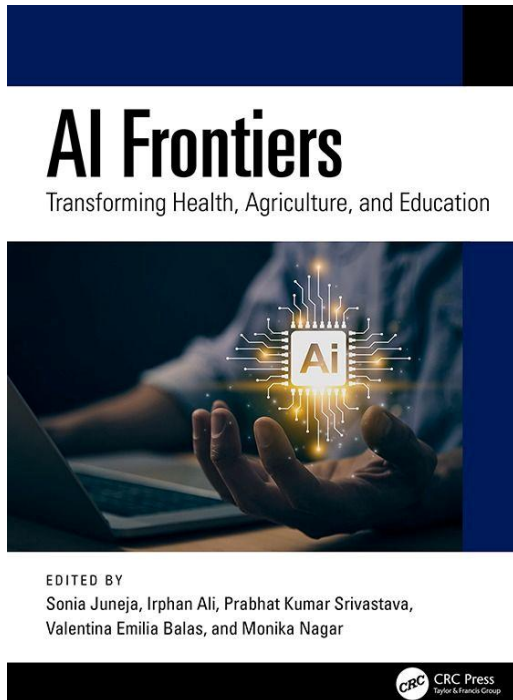
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<https://www.taylorfrancis.com/.../ai-frontiers-sonia...>



14. Intelligent Computing Systems and Applications. Select Proceedings of the International Conference, ICICSA 2022, Springer

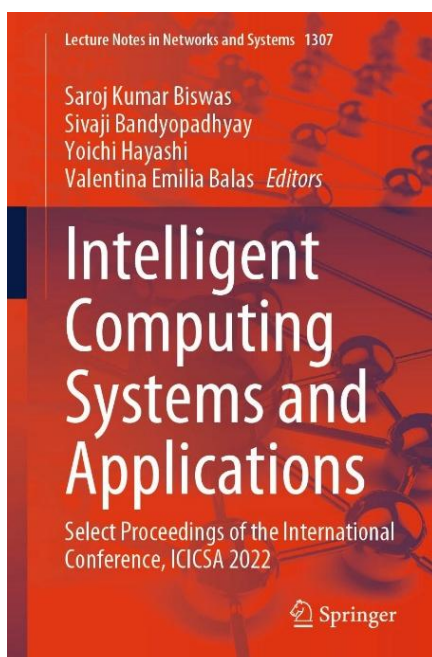
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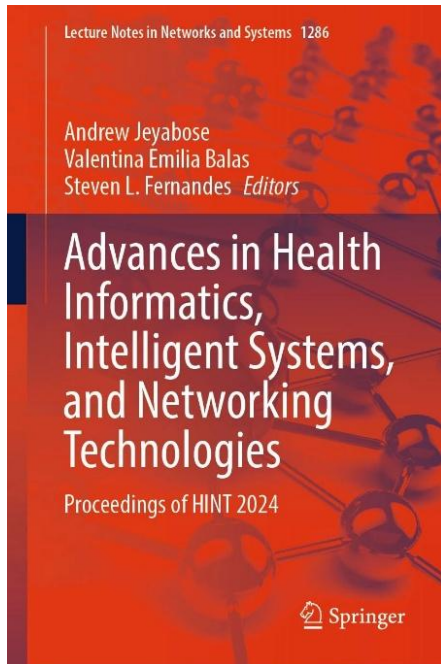
<https://link.springer.com/book/10.1007/978-981-96-3860-4>



15. Advances in Health Informatics, Intelligent Systems, and Networking Technologies. Proceedings of HINT 2024, Springer

Editors: Andrew Jeyabose - INDIA  
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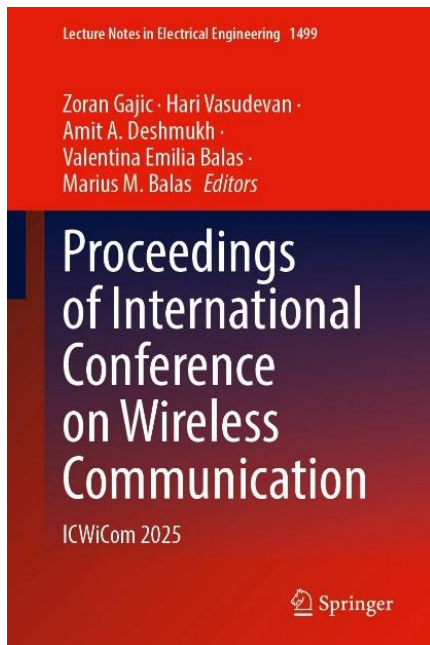


16. Proceedings of International Conference on Wireless Communication. ICWiCom 2025, Springer

Editors: Zoran Gajic - USA  
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17. Recent Advances in Smart Communication Technologies for a Sustainable Future, IGI Global

Editors: [Valentina Emilia Balas](#) - ROMANIA

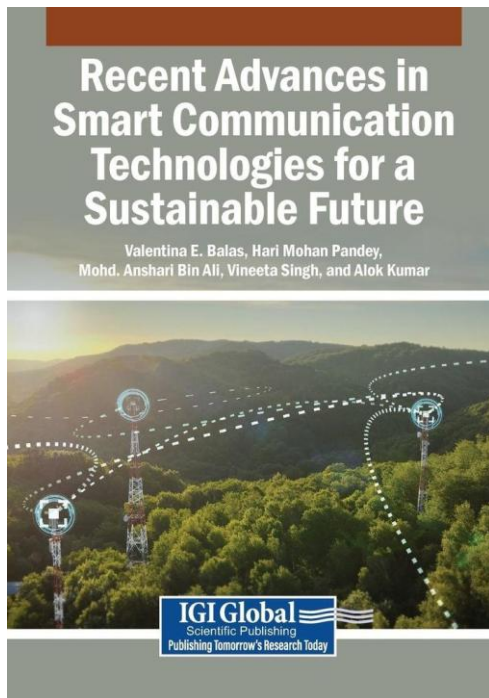
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<https://www.igi-global.com/.../recent-advances.../372662...>



18. Ensuring Secure Connectivity Through AI-Powered Wireless Systems, IGI Global

Editors: Valentina E. Balas - ROMANIA

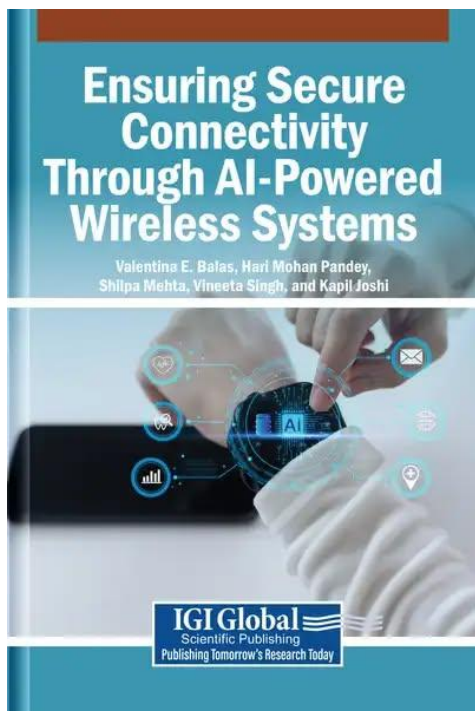
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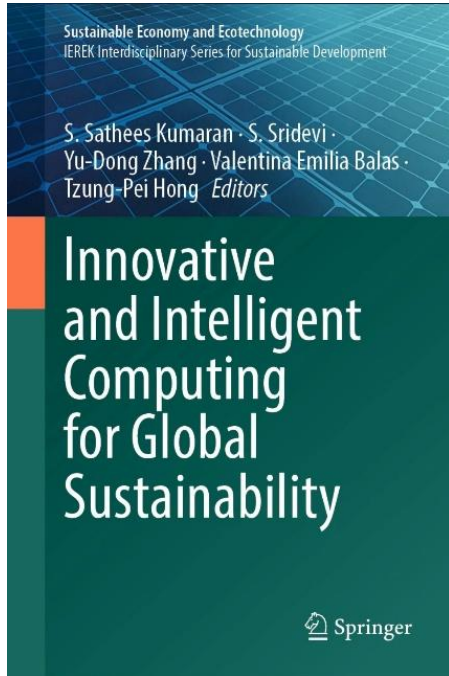
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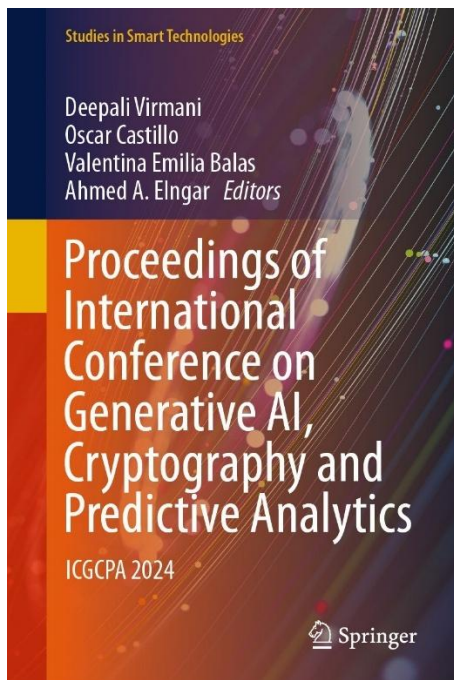
<https://www.igi-global.com/.../ensuring-secure.../372669>



19. Innovative and Intelligent Computing for Global Sustainability, Springer  
Editors: S. Sathees Kumaran - INDIA  
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20. [Proceedings of International Conference on Generative AI, Cryptography and Predictive Analytics: ICGCPA 2024](#)  
Editors: Deepali Virmani - INDIA  
Oscar Castillo – MEXICO  
Valentina Emilia Balas – ROMANIA  
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## Articole publicate în reviste indexate ISI 2025

Articole publicate in reviste cotate ISI
1. Vacarescu S.P.I., <b>Balas V.E.</b> , Paraschiv N., Petcut F., <i>A Systematic Review for Quality within the Automotive Industry 4.0</i> , International Journal of Computers Communications & Control. Vol. 20 No. 4 (2025). <a href="https://doi.org/10.15837/ijccc.2025.4.7123">https://doi.org/10.15837/ijccc.2025.4.7123</a> Q3, IF=1,9
2. Alexuta, D.; <b>Balas, V. E.</b> ; Balas, M. M. (2025). <i>On the Three-Tank Aquaponic Configuration</i> , International Journal of Computers Communications & Control, 20(2), 7032, 2025. <a href="https://doi.org/10.15837/ijccc.2025.2.7032">https://doi.org/10.15837/ijccc.2025.2.7032</a> Q3, IF=1,9
3. Umair Butt, Zeeshan Azmat, Jason Gu, Muhammad Usman Asad, Umar Farooq, <b>Valentina Emilia Balas</b> (corresponding author), Khurram Karim Qureshi and Ghulam Abbas, <i>Design and Implementation of a Laboratory Prototype for Boolean Function Simplification in Real Time</i> , Acta Polytechnica Hungarica, Vol. 22, Nr. 5, pp.93-107 Q2, IF=1,8
4. Chao-Pang Wu, Nan-Kai Hsieh, Liang-Rui Chen, <b>Valentina Emilia Balas</b> , <i>Enhancing Longitudinal Flight Stability of Electric-powered Micro Unmanned Aerial Vehicles Using Fuzzy Proportional-integral-derivative Control</i> , Volume 23, Issue 7, Page 2132-2141, 2025 DOI 10.1007/s12555-024-0930-0 Q2, IF=2,9
5. M Handique, A Prasad, R Dey, <b>VE Balas</b> <a href="#">FAULT DETECTION SCHEME FOR NEGATIVE CONTROL FLIPPING FAULTS IN REVERSIBLE CIRCUITS</a> Facta Universitatis, Series: Electronics and Energetics 39 (1), pag. 077-103, ISSN: 0353-3670 Q4, IF=0,7
6. Gurunathan Velliangiri, Sudhakar Radhakrishnan and <b>Valentina E Balas</b> (corresponding author), <a href="#">Vein Based Multimodal Biometric System Using Handcrafted and Deep Features</a> Acta Polytechnica Hungarica, Vol. 22, Nr. 9, pp.237-258 Q2, IF=1,8 DOI: 10.12700/APH.22.9.2025.9.12

## Lucrări în conferințe indexate ISI proceedings

1. Balas M.M., <b>Balas V.E.</b> , Petcut F.M., Barna C., Dey R., <i>Automation of the Two-Second Rule via Constant Time-to-Collision Curves</i> , 2025 IEEE 29th International Conference on Intelligent Engineering Systems (INES), Palermo, Italy, 2025, pp. 000155-000158, doi: <a href="https://doi.org/10.1109/INES67149.2025.11078218">https://doi.org/10.1109/INES67149.2025.11078218</a> WOS:001554077100026
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<p>2. Petcut-Lasc A.A., <b>Balas V. E.</b>, Petcut F.M., Barna C., <i>Modelling and Identification of Two Genetic Algorithms used for Solar Cell Parameter</i>, 2025 IEEE 29th International Conference on Intelligent Engineering Systems (INES), Palermo, Italy, 2025, pp. 000021-000026, doi: <a href="https://doi.org/10.1109/INES67149.2025.11078181">https://doi.org/10.1109/INES67149.2025.11078181</a> <b>WOS:001554077100004</b></p>
<p>3. <a href="#">Vacarescu Sondra Preascilla Ioana</a>; <a href="#">Balas Valentina Emilia</a>; <a href="#">Paraschiv Nicolae</a>, <i>Artificial Intelligence in Quality Management within the Automotive Industry 4.0 : Real Life Applications</i>, 2025 IEEE 29th International Conference on Intelligent Engineering Systems (INES), Palermo, Italy, 2025, pp. DOI: <a href="https://doi.org/10.1109/INES67149.2025.11078204">10.1109/INES67149.2025.11078204</a> <b>WOS:001554077100015</b></p>

### Lucrări în volumele unor conferințe științifice internaționale indexate BDI

<p>1. Soham Banerjee, Anirudh Nath, Anirban Nag, Rajeeb Dey, <b>Valentina E. Balas</b>, Vlad Muresan, <i>Design of Computed Torque Control with Regional Pole Placement for Two Link Robotic Manipulator</i>, 29th International Conference on System Theory, Control and Computing (ICSTCC 2025), Cluj-Napoca, Romania, October 9-11, 2025 pp. 727-732</p>
<p>2. Nicorici Sondra Preascilla Ioana, <b>Balas Valentina Emilia</b>, <a href="#">Integrating Quality Management and Artificial Intelligence in Automated Decision Support</a>, Recent Trends in Communication and Intelligent Systems: Proceedings of ICRTCIS 2025, 6th International Conference on Recent Trends in Communication &amp; Intelligent Systems (ICRTCIS 2025), June 27-28, 2025, Jaipur Rajasthan, India, pp. 105-116.</p>
<p>3. Petcuț-Lasc A. A., <b>Bălaș V. E.</b>, Petcuț F. M., Rotar R., Alexuță D., <i>Performance Evaluation of a Residential Photovoltaic System in Matlab Simulink</i>, 2025 IEEE 23rd World Symposium on Applied Machine Intelligence and Informatics (SAMI), Stará Lesná, Slovakia, 2025, pp. 000435-000440, DOI: <a href="https://doi.org/10.1109/SAMI63904.2025.10883312">https://doi.org/10.1109/SAMI63904.2025.10883312</a></p>
<p>4. Nirere Gaudence, <b>Valentina Emilia Balas</b>, Mukanyiligira Didacienne, Hitimana Eric, <i>Developing Early Autism Detection through Deep Learning and Data Analytics</i>, 25th International Conference on Control Systems and Computer Science (CSCS25), Bucharest, Romania, May 27-30, 2025, pp. 99-106, pp. 468-474 DOI: <a href="https://doi.org/10.1109/CSCS66924.2025.00075">10.1109/CSCS66924.2025.00075</a></p>

5. Mihaela Popa, Daniel Alexuta, Marius Mircea Balas, **Valentina Emilia Balas** (corresponding author), *Current Trends in Research on Temperature Control in Rooftop Greenhouses*, 18th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2025, pp. 1-6, DOI: [10.1109/EMES65692.2025.11045579](https://doi.org/10.1109/EMES65692.2025.11045579)
6. Petcut-Lasc A.A., **Balas V. E.**, Petcut F.M., *A Survey of MPPT Techniques Under Partial Shading Conditions: Evaluating the Firefly Algorithm's Performance*, 18th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2025, pp. 1-6, DOI: <https://doi.org/10.1109/EMES65692.2025.11045613>
7. Petcut-Lasc A.A., **Balas V. E.**, Petcut F.M., *Real-Time Performance Evaluation of a MATLAB/Simulink-Based Residential PV System*, 2025 International Conference on Circuit, Systems and Communication (ICCSC), Fez, Morocco, 2025, pp. 1-5, DOI: <https://doi.org/10.1109/ICCSC66714.2025.11135320>
8. Anca-Adriana Petcut-Lasc, **Valentina-Emilia Balas**, Flavius-Maxim Petcut, *Comparative Analysis of Residential Photovoltaic Systems: Impact of Shading and Orientation on Energy Production*, 15<sup>th</sup> International Conference on INDUSTRIAL ENGINEERING AND ENVIRONMENTAL PROTECTION, IIZS 2025, Zrenjanin, Serbia
9. Petcut-Lasc A.A., **Balas V. E.**, Petcut F.M., *Optimizing Control of Electric Power Production via Photovoltaic Panels: A Survey on Fuzzy Technology, Neural Networks, and Hybrid Systems*, IEEE 11Th International Conference on Electrical Energy Systems - 2025 (ICEES 2025), August 21-23, 2025, Chennai, India, 2025, pp. 385-390, DOI: <https://doi.org/10.1109/ICEES67011.2025.11213153>
10. Petcut-Lasc A.A., **Balas V. E.**, Petcut F.M., *Edge-AI-Driven Photovoltaic Energy Optimization Systems for Renewable Network Infrastructure*, 25th International Conference on Next Generation Wired/Wireless Networks and Systems (NEW2AN 2025), November 10-12, 2025, Abu Dhabi, UAE, Scopus.
11. Petcut-Lasc A.A., **Balas V. E.**, Petcut F.M., *Performance Trends and Efficiency Limits of Photovoltaic Modules: An Analysis Based on NREL Champion Data*, IEEE 25th International Symposium on Computational Intelligence and Informatics (CINTI 2025), November 18-20, 2025 in Budapest, Hungary, pp. 773-778.

**Award received: Best Paper Award**

## Lucrări în volumele conferințelor AOSR

1. **Valentina E. Balas**, Marius M. Balas, *The Millenary Railway Transportation's Lifecycle as Witnessed In Arad and Its Surroundings*, CONFERINȚA ȘTIINȚIFICĂ DE PRIMĂVARĂ a AOSR, 2025, BUCUREȘTI, "Știința și diplomația culturală – factori ai cooperării internaționale", Vineri 23 – Sâmbătă 24 mai 2025, ISSN ISSN 2601 – 5102, Secțiunea Știința și Tehnologia Informației, Lucrarea 15, Pag. 18  
<https://www.aosr.ro/wp-content/uploads/2025/05/PROGRAM-si-VOLUM-DE-REZUMATE-conferinta-primavara-AOSR-2025-site.pdf>
2. Soumya Banerjee, **Valentina E. Balas**, *Interpretable & Explainable Machine Learning (IML/XAI) in Constrained IIoT domain: Can Scope of Bayesian Optimization in IML/XAI/PPO be far behind?*, CONFERINȚA ȘTIINȚIFICĂ DE PRIMĂVARĂ a AOSR, 2025, BUCUREȘTI, "Știința și diplomația culturală – factori ai cooperării internaționale", Vineri 23 – Sâmbătă 24 mai 2025, ISSN ISSN 2601 – 5102, Secțiunea Știința și Tehnologia Informației, Lucrarea 16, Pag. 18  
<https://www.aosr.ro/wp-content/uploads/2025/05/PROGRAM-si-VOLUM-DE-REZUMATE-conferinta-primavara-AOSR-2025-site.pdf>
3. Marius M. Balas, **Valentina E. Balas**, *Automation of the Two-Second Rule via Constant*
4. *Time-to-Collision Curves*, CONFERINȚA NAȚIONALĂ ȘTIINȚIFICĂ DE TOAMNĂ 2025 a Academiei Oamenilor de Știință din România, Durău, județul Neamț, Știință, Cunoaștere, Creativitate, Spiritualitate, Ediția a II-a, 17 - 19 septembrie 2025, Volume 19, issue 2, 2025, PRINT ISSN 2601 – 5102, Secțiunea Știința și Tehnologia Informației, Lucrarea 10, Pag. 15, <https://www.aosr.ro/wp-content/uploads/2025/09/PROGRAM-SI-VOLUM-DE-REZUMATE-toamna-DURAU-2025-15sept2025-Final.pdf>
5. Flavius M. Petcut, Anca A. Petcut-Lasc, **Valentina E. Balas**, *Validation and Performance of SDM, TDM, and ThDM for Photovoltaic System Simulation*, CONFERINȚA NAȚIONALĂ ȘTIINȚIFICĂ DE TOAMNĂ 2025 a Academiei Oamenilor de Știință din România, Durău, județul Neamț, Știință, Cunoaștere, Creativitate, Spiritualitate, Ediția a II-a, 17 - 19 septembrie 2025, Volume 19, issue 2, 2025, PRINT ISSN 2601 – 5102, Secțiunea Știința și Tehnologia Informației, Lucrarea 11, Pag. 16, <https://www.aosr.ro/wp-content/uploads/2025/09/PROGRAM-SI-VOLUM-DE-REZUMATE-toamna-DURAU-2025-15sept2025-Final.pdf>
6. Soumya Banerjee, **Valentina E. Balas**, "Grow When they learn & Shrink when they forget": *Tiny Machine Unlearning towards Secured Edge Devices*, CONFERINȚA NAȚIONALĂ ȘTIINȚIFICĂ DE TOAMNĂ 2025 a Academiei Oamenilor de Știință din România, Durău, județul Neamț, Știință, Cunoaștere, Creativitate, Spiritualitate, Ediția a II-a, 17 - 19 septembrie 2025, Volume 19, issue 2, 2025, PRINT ISSN 2601 – 5102, Secțiunea Știința și Tehnologia Informației, Lucrarea 12, Pag. 16, <https://www.aosr.ro/wp-content/uploads/2025/09/PROGRAM-SI-VOLUM-DE-REZUMATE-toamna-DURAU-2025-15sept2025-Final.pdf>
7. Dana Rad, Niclae Paraschiv, **Valentina E. Balas**, *Automatic Scoring System for Polygraph Test Responses Using Artificial Neural Networks*, CONFERINȚA NAȚIONALĂ ȘTIINȚIFICĂ DE TOAMNĂ 2025 a Academiei Oamenilor de Știință din România, Durău, județul Neamț, Știință, Cunoaștere, Creativitate, Spiritualitate, Ediția a II-a, 17 - 19 septembrie 2025, Volume 19, issue 2, 2025, PRINT ISSN 2601 – 5102, Secțiunea Știința și Tehnologia Informației, Lucrarea 13, Pag. 16, <https://www.aosr.ro/wp-content/uploads/2025/09/PROGRAM-SI-VOLUM-DE-REZUMATE-toamna-DURAU-2025-15sept2025-Final.pdf>

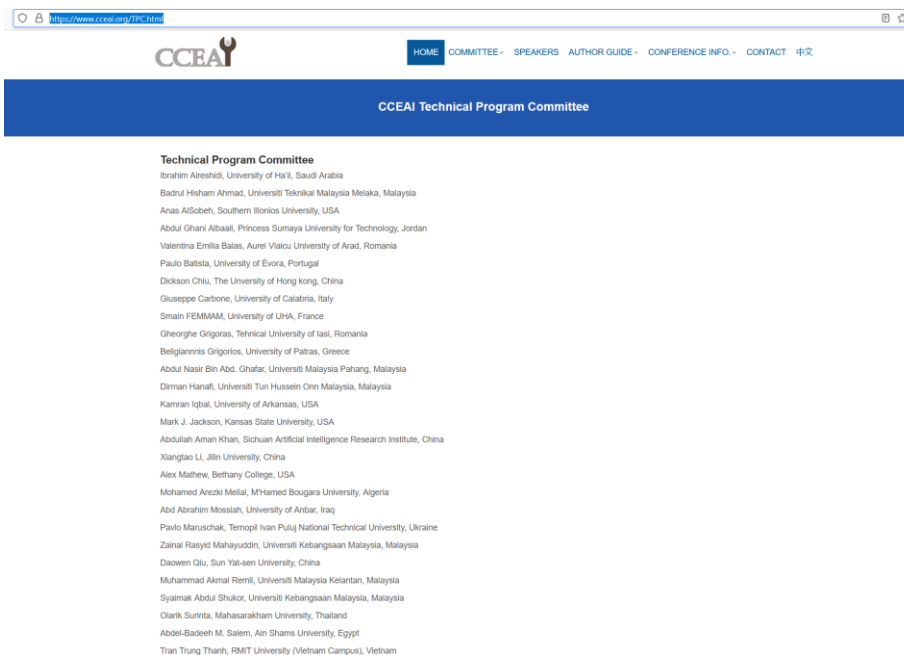
## 2. ORGANIZAREA DE MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE/NAȚIONALE (Selecție)

1. Membra in International Advisory Board la, IEEE 19<sup>th</sup> International Symposium on Applied Computational Intelligence and Informatics (SACI 2025) to be held on May 19-24, 2025 in Budapest, Hungary, and Timișoara, Romania., ISI  
<https://conf.uni-obuda.hu/saci2025/>
2. Membra in Technical Program Committee la IEEE 29<sup>th</sup> International Conference on Intelligent Engineering Systems 2025 (INES 2025) to be held on June 11-13, 2025 in Palermo, Italy, <http://www.ines-conf.org/ines-conf/2025index.html>
3. Membra in Advisory Committee la 8<sup>th</sup>International Conference on “Emerging Technologies in Computer Engineering: Advances in Computing, Healthcare and Smart Systems”(ICETCE-2025), organised by Department of Computer Science & Engineering / Department of Information Technology, SKIT, Jaipur, 21-22 November 2025, <https://icetce.skit.ac.in/index>
4. Membra in Advisory Committee la IEEE INTERNATIONAL CONFERENCE, [ICCCIT 2025] “Computational, Communication and Information Technology”, FEBRUARY 07<sup>TH</sup>& 08<sup>TH</sup>, 2025, organized by Department of Computer Science & Engineering of IPS Academy, Institute of Engineering & Science, Indore, Madhya Pradesh, <https://ies.ipsacademy.org/incccit-2024/> , [IEEE Xplore Full-Text PDF:](#)
5. Membra in Steering Committee la International Conference on Intelligent Systems and Robotics, May. 23rd-26th 2025, China, organized by Dalian Maritime University.  
<https://www.icisr.com/committee/>
6. Member in International Advisory Board, G H Rasoni College of Engineering & Management, Nagpur, International Conference on Advanced Communication, Energy and Big Data (ICACEBD-25), March 07-08, 2025, <https://ghrcemn.raisoni.net/ICACEBD-25/#keynote-speakers>
7. Membra in Technical Program Committee la The 2<sup>nd</sup> edition of IEEE International Conference on Recent Advances in Mathematics and Informatics (IEEE ICRAMI'2025), Tunisia, from September 24 to 26, 2025, <https://icrami.sciencesconf.org/resource/page/id/1>
8. Technical Program Co-Chair la 2025 International Conference on Advanced Machine Learning and Data Science (AMLDS 2025), Tokyo, Japan on 19th-21st July 2025, <https://amllds.site/com.html>
9. Chair of the Technical Program Committee la 2025 International Conference on Intelligent Transportation and Future Mobility (ITFM 2025) will be held on April 11-13, 2025.  
<https://www.icitfm.org/>



10. Membra in Technical Program Committee a **2025 9<sup>th</sup> International Conference on Control Engineering and Artificial Intelligence (CCEAI 2025)**, organized by Asia Pacific Institute of Science and Engineering (APISE), sponsored by Jiangnan University, technically sponsored by Xi'an Jiaotong-Liverpool University, [Ho Chi Minh City, Vietnam](https://www.cceai.org/TPC.html) during **Jan. 16-19, 2025**,

<https://www.cceai.org/TPC.html>



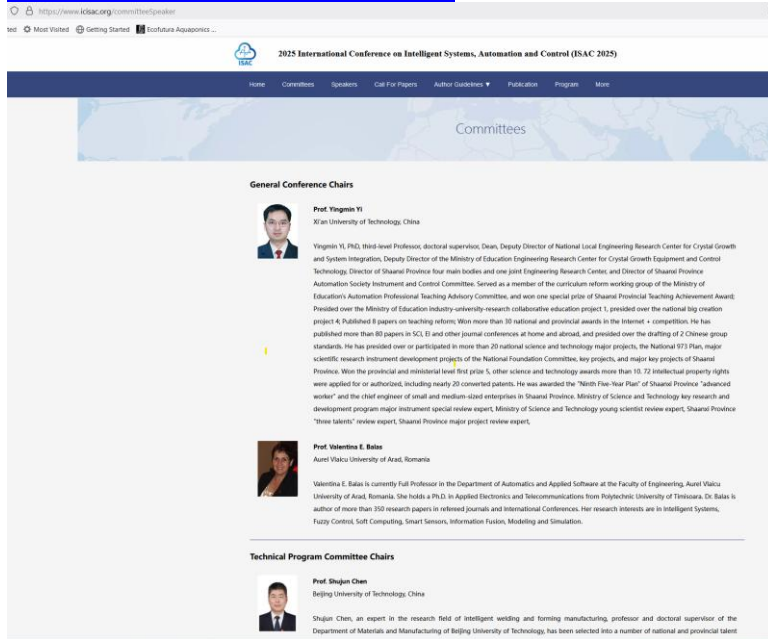
11. Membra in International Advisory Committee la A THREE-DAY INTERNATIONAL CONFERENCE on Innovative Computing & Communication in The Field of Life Sciences, Agriculture and Technology, CCS University, Meerut, Feb 07-09, 2025,

[https://ccsu-scriet.github.io/international-conference/advisory\\_committee.html](https://ccsu-scriet.github.io/international-conference/advisory_committee.html)

12. Membra in Program Committee la the 16th edition of DoCEIS 2025 - Advanced Doctoral Conference on Computing, Electrical, and Industrial Systems to be held in Caparica (Lisbon), Portugal, 2-4 July 2025.

<https://doceis.dee.fct.unl.pt/>

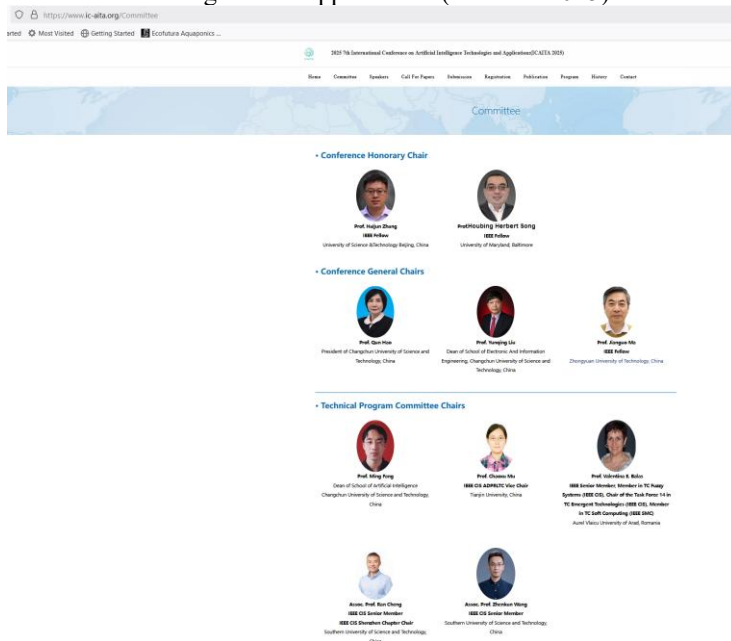
13. General Conference Chair si Invited Speaker la 2025 International Conference on Intelligent Systems, Automation and Control (ISAC 2025), Xi'an, China from March 28 to 30, 2025.



- 14. Chief Guest la International Conference on Computational Innovations and Sustainable Technologies (ICCIST 2025), organized by the Department of Computer Science at CHRIST (Deemed to be University), Bangalore Yeshwanthpur Campus, 9 October 2025

<https://www.iccist.com/>

- 15. Technical Program Committee Chair la the 7th International Conference on Artificial Intelligence Technologies and Applications (ICAITA 2025) will be held on July 11-13, 2025, in Wenzhou, China.



- 16. Keynote Speaker la The International Conference on Mechanical, Engineering and Interaction Design (ICMEID 2025), 12-13 Aprilie 2025, Melbourne, Australia.

<https://www.icmeid.org/keynotes.htm>

- 17. Technical Program Chair la 5<sup>th</sup> International Conference on Expert Clouds and Applications (ICOECA 2025), 6-7, March 2025 | Bengaluru, India, *organized by* R V College of Engineering Bengaluru, India

<https://icoeca.com/committee.html>

18. Membra in Technical Committee la ICMAA 2025, The 9th International Conference on Mechanical, Aeronautical and Automotive Engineering, Yokohama, Japan, April 2-4, 2025.

<https://icmaa.org/com.html>

19. Membra in Technica Program Committee la 2025 5<sup>th</sup> International Conference on Robotics and Control Engineering (RobCE 2025), May 7-10, 2025 / Linköping, Sweden

<https://www.robce.org/Committee.html>

20. Membra in Technical Program Committee la The 11th International Conference on Fuzzy Systems and Data Mining (FSDM 2025), November 14-17, 2025, Chaozhou, Guangdong, China

<https://www.fsdmconf.org/TPC>

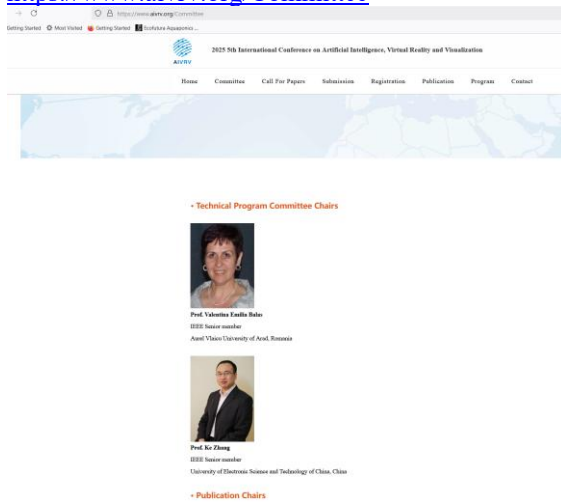
21. Membra in Scientific Committee la 3<sup>rd</sup> International Conference on Cyber Resilience British University in Dubai- UAE, July 3rd-4th, 2025

<https://iccr.ac/organizer/>

<https://iccr.ac/wp-content/uploads/2025/01/ICCR-CFP-2025-v11.pdf>

22. Membra in Technical Program Committee Chair la 2025 5th International Conference on Artificial Intelligence, Virtual Reality and Visualization will be held on September 05-07 2025, in Chengdu, China.

<https://www.aivrv.org/Committee>



23. General Chair, to the 2025 5th International Conference on Mechanical, Electronics and Electrical and Automation Control (METMS 2025), March 28 to 30, 2025, Nanjing, CHINA.

<http://www.met-ms.com/>



24. Membra in Technical Committee la ICMAA 2025, The 9th International Conference on Mechanical, Aeronautical and Automotive Engineering, will take place in Yokohama, Japan, from April 2-4, 2025. This event is sponsored by Singapore Institute of Electronics (SIE), with support from Sichuan Institute of Electronics, China, National Taiwan University of Science and Technology and Multimedia University, Malaysia.

[ICMAA 2025](https://icmaa.org/com.html)

The screenshot shows the ICMAA 2025 website with the following content:

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Xinggang Yin, University of Kent, UK  
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Koorosh Charehbaghi, RMIT University, Australia  
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Javid Butt, Birmingham City University, China  
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M Zubair Akbar Qureshi, Air University Islamabad, Pakistan  
Mofareh Hassan Chazwani, Jazan University, Saudi Arabia  
Hassan Chazwani, Jazan University, Saudi Arabia

25. Membra in Advisory Committee la International Conference on Robotics, Communication and Soft Computing (RCSC ' 2025) (Hybrid mode) 10th - 12th April, 2025 Organized by National Institute of Technology Sikkim Ravangla, South Sikkim, India, -737139 Website: [www.nitsikkim.ac.in](http://www.nitsikkim.ac.in)

[RCSC'25](https://rcsc2025nitsikkim.ac.in/committees)

The screenshot shows the RCSC'25 website with the following content:

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RCSC'25 provides a variety of sponsorship options that enable small and big businesses and organizations to participate in one of the best conferences. This will lead to the exchange of ideas in the field of neural health and innovation globally, with over 200 projected participants from all over the world.  
For more information, please contact RCSC'25 Sponsorship Chair  
Dr. Vishal Vaidya  
Dr. Sham Beharwar Sinha

26. Membra in International Advisory Committee la International Conference on Innovation and Transformation for a Sustainable Future (ICITSF-2025), we are honored to invite you to join the Advisory Board (IAB) of our upcoming conference, scheduled for April 17-18, 2025, at MIMT, Greater Noida, India.
27. Membra in the Scientific Committee la ICCR2025: 3rd International Conference on Cyber Resilience The British University in Dubai, Dubai, UAE, Dubai, UAE, July 3-4, 2025, <https://iccr.ac/>
28. Membra in Technical Program Co-Chair la International Conference on Advanced Machine Learning and Data Science (AMLDS 2025), July 19-21, Tokyo, Japan, <https://amlds.site/>

2025 INTERNATIONAL CONFERENCE ON  
Advanced Machine Learning and Data Science (AMLDS 2025)

–July 19-21, 2025, Tokyo, Japan  
[www.amlds.site](http://www.amlds.site)

CALL FOR PAPERS

Important Days

Submission Deadline  
30th April 2025

Notification Date  
20th May 2025

Registration Deadline  
30th May 2025

**About AMLDS 2025**

2025 International Conference on Advanced Machine Learning and Data Science (AMLDS 2025) will be held in Tokyo, Japan on 19th-21st July 2025. It is co-organized by National Institute of Information and Communications Technology and Chongqing University of Posts and Telecommunications, co-sponsored by IEEE Systems, Man, and Cybernetics Society, Chongqing University of Posts and Telecommunications, and Nanjing University. The conference aims to enhance the state-of-the-art in Machine Learning and Data Science, as well as other promising areas of computing, by encouraging fresh, high-quality research discoveries and inventive solutions to tough machine learning challenges.

**Call for Contributed Papers**

Prospective authors are invited to submit their full paper(s) electronically. Accepted and registered full papers will be included in IEEE Xplore and submitted for Ei Compindex and Scopus.

**Call for Special Sessions**

Interested attendees are encouraged to propose special sessions, which provide a focused discussion of new or innovative topics. Each proposal must include the session title, description, and organizers. Special session papers will undergo the same intense review process. Please send it to [amlds\\_conf@163.com](mailto:amlds_conf@163.com)

**Conference Topics**

- Machine Learning Foundations
- Machine Learning System Design
- Machine Learning Optimization
- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning

- Machine Learning and Data Engineering
- Machine Learning in Data Lakes
- Machine Learning based Data Integration and Data Interoperability
- Machine Learning Data Pipelines
- Machine Learning based Data Streaming

- Deep Learning and Data Engineering
- Deep Neural Networks Optimization Algorithms
- Deep Feedforward Networks
- Regularization
- Deep Convolutional Neural Networks
- Deep Recurrent Neural Networks

- Applications
- Biomedinformatics
- Biomedical Informatics
- Computational Biology
- Healthcare
- Human Activity Recognition

Submission

Submission System  
<https://easychair.org/conferences/?conf=amlds2025>

Word Template:  
<https://amlds.site/style/downloads/conference-template-letter.docx>

Latex Template:  
<https://amlds.site/style/downloads/conference-latex-template.zip>

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**Shyi-Ming Chen**  
Asia University

**Loi Lei Lai**  
DRPT International Inc.

**Hideyuki TAKAGI**  
Kyushu University

**Venue**

**Tokyo International Exchange Center**

Address: Tokyo Academic Park, 2-2-1 Aomi, Koto-ku, Tokyo 135-8630 Japan

Conference Website:  
[www.amlds.site](http://www.amlds.site)

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[amlds\\_conf@163.com](mailto:amlds_conf@163.com)

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29. Membra in International Advisory Board la 2025 International Conference on Mechanical Engineering and Interaction Design, October 18-19, Melbourne, Australia, <https://icmeid.org/committees.htm>

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ICMEID

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30. Membra in Technical Program Committee Chair la The 2025 th International Conference on Artificial Intelligence Technologies and Applications (ICAITA 2026) will be held on August 21-23, 2025, in Beijing, China, [www.ic-aita.org](http://www.ic-aita.org)

www.ic-aita.org/Committee

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31. Membra in International Advisory Committee la International Conference on Next-Generation Networks and Deployable Artificial Intelligence (NGNDAI-2025), 18-20 September, 2025, at MNNIT Allahabad, Prayagraj, India.





















<https://www.ngndai.mnnit.ac.in/>

www.ngndai.mnnit.ac.in/International-Advisory-Committee







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**International Advisory Committee**

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 Prof. Gnana Bharathy University of Technology Sydney, Australia	 Dr. Koushik Sinha Southern Illinois University, Carbondale	 Prof. Valentina Emilia Balas Faculty of Engineering, University of Arad, Romania
 Prof. Meena Jha Central Queensland University, Australia	 Prof. Upasana Singh University of Raazulu-Natal, Durban	

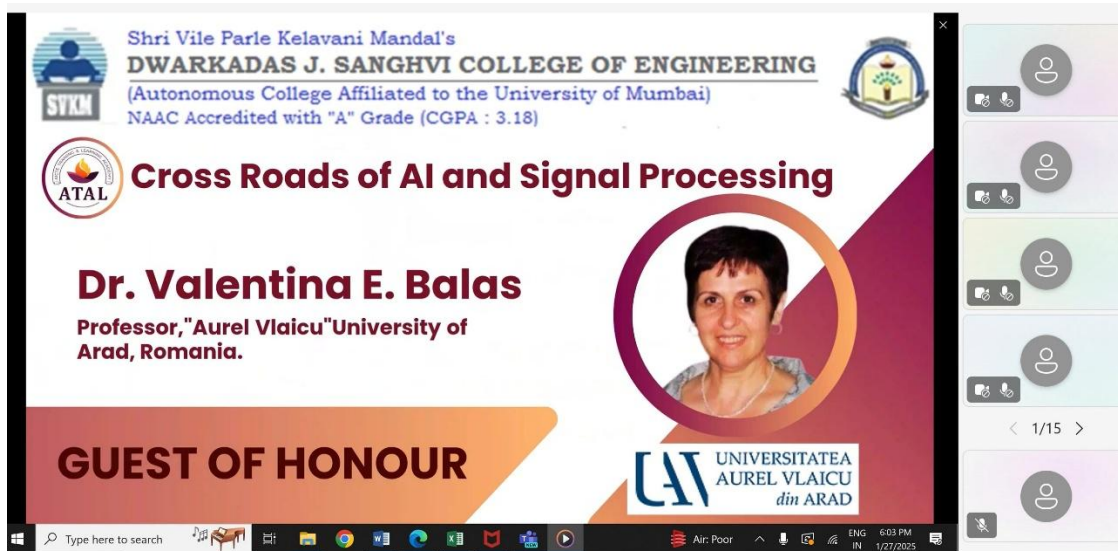
**National Advisory Committee**

 Prof. Suresh Sundaram ISC, Bangalore, India	 Prof. Bhabani P. Sinha ISI Kolkata, India	 Prof. Umshada Pal ISI Kolkata, India
 Prof. Anjana Kakoti Mahanta Gauhati University, India	 Prof. S. Balasundaram Professor	 Prof. Dhruva Kr Bhattacharyya Tezpur University, India

## Invitat cu conferințe invitate în plenul unor conferințe internaționale

1. Chief Guest for online Faculty Development Programme at AICTE Training and Learning (ATAL) Academy, One-Week Online – Title: "*Cross Roads of AI and Signal Processing*", on 27 January 2025.

The event was organized by Department of Electronics & Telecommunication Engineering, Dwarkadas J. Sanghvi College of Engineering, Vile Parle (W), Mumbai, Maharashtra, INDIA.



2. Keynote Speaker and General Chair at the International Conference on AI and Financial Innovation (AIFI-2025) – Title: "*Understanding Knowledge Through Visual Representation*" organized by the Interscience Institute of Management and Technology, on February 7, 2025, in Bhubaneswar, INDIA.

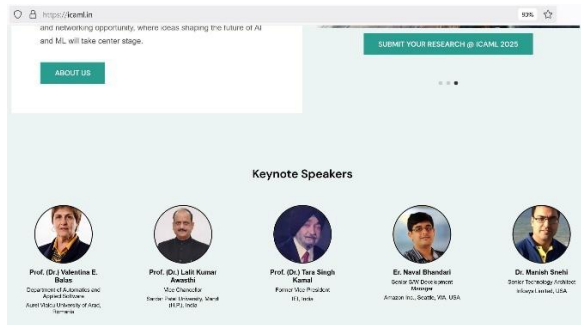
<https://iimt.ac.in/AIFI2025/pc.php>



3. Keynote Speaker at the International Conference on Applications of AI & Machine Learning (ICAML-2025), Title: "*Innovative Smart Cities for a Sustainable Future*", organized by The Institution of Engineers (India) – IEI, in collaboration with the Association of Professionals, Chandigarh, India, on 22–23 February 2025.

<https://icaml.in/>

<https://royalpatiala.in/international-conference-on.../>



4. General Co-Chair and Invited Speaker at the 3rd International Conference on Intelligent Systems, Advanced Computing, and Communication (ISACC 2025), Title: “*Watergy – the common management of water and energy*”, on February 27-28, 2025. The event was organized by the Department of Computer Science and Engineering, Assam University, Silchar, Assam, India.

<https://www.isacc.in/>



- General Chair at 5th International Conference on Emerging Science and Technology, Welcome speech: “*Current Research in Emerging Science and Related Technology*”, February 27, 2025, Lahore, Pakistan, organized by the Departments of Physics, Govt. Islamia Graduate College Civil Lines, Lahore, Pakistan and HIBA International University (OLC Canada).

[https://www.pjest.com/wp-content/uploads/2025/02/ICEST\\_Abstract\\_Book.pdf](https://www.pjest.com/wp-content/uploads/2025/02/ICEST_Abstract_Book.pdf)

- Guest Speaker in the International Seminar on "Recent Advances in Fuzzy Mathematics and its Applications", Title: “*Fuzzy Mathematics and its Applications*” organized by the Department of Mathematics, ADM College for Women (Autonomous), Nagapattinam, INDIA, 14th March 2025.

- Special Guest at International Conference on Engineering Trends in Education Systems & Sustainability (ICETESS 2025), Jaipur Engineering College & Research Centre (JECRC), April 18-19, 2025, Jaipur, India, Title: “*AI and Education System*”.

<https://jecrcconference.in/icetess2025/eminent-guest.html>  
[ICETESS-2025](https://www.pjest.com/wp-content/uploads/2025/02/ICEST_Abstract_Book.pdf)

8. Honorary Chair at the 2nd International Conference on Recent Advances in Artificial Intelligence, Computer Vision & Smart Systems, ICRACS 2025, organized by the Department of Artificial Intelligence & Data Science at Poornima Institute of Engineering & Technology, 16-17 April 2025, Jaipur, India, Title: “AI and Intelligent Systems”.  
<https://icracs-conference.vercel.app/committee>

**2<sup>nd</sup> ICRACS**  
 INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ARTIFICIAL INTELLIGENCE, COMPUTER VISION & SMART SYSTEMS

**Prof. Valentina Emilia Bălaș**  
 FACULTY OF ENGINEERING, AUREL VLĂCĂU UNIVERSITY OF ARAD, ARAD, ROMANIA

**HONORARY CHAIR**

**APRIL 16, 2025** | PIET, JAIPUR | @piet\_jaipur

KNOW MORE

**2<sup>nd</sup> ICRACS**  
 INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ARTIFICIAL INTELLIGENCE, COMPUTER VISION & SMART SYSTEMS

**Honorary Chair**  
 Prof. Valentina Emilia Bălaș

**Conference Chair**  
 Prof. (Dr.) Ravit Kumar Arya

**TPC Chair**  
 Prof. Atulaya Nagar

**Organizers**

**Principal & Director**  
 Dr. Dinesh Goyal

**HOD AI & DS, PIET**  
 Dr. Budeesh Kanwar

**Associate Professor**  
 Dr. Sandeep Gupta

**APRIL 16-17, 2025**

9. General Chair & Keynote Speaker at the 4th International Conference on Innovation in Computing (ICIC-2025), held at CGC College of Engineering, April 24, 2025, Landran, Mohali, INDIA, Title: “Innovation in Computing”.  
<https://icic.co.in/>

**CGC COLLEGE OF ENGINEERING**  
 Landran, Mohali

**4<sup>th</sup> International Conference Innovation in Computing**  
**ICIC 2025**  
 Pushing the Limits of Tech Innovation!

24th - 25th April 2025  
 Organized by CGC College of Engineering, Landran, Mohali (Pb)

**CHIEF GUEST**  
**Prof. Shantanu Bhattacharya**  
 Director, CSIR-Central Scientific Instruments Organisation (CSIR), Chandigarh

**GUEST OF HONOUR**  
**Dr. D Vijay Rao**  
 Scientist G, Group Director (Wargames and Simulation), Institute for Systems Studies and Analysis (ISSA), Defence Research and Development Organisation (DRDO)

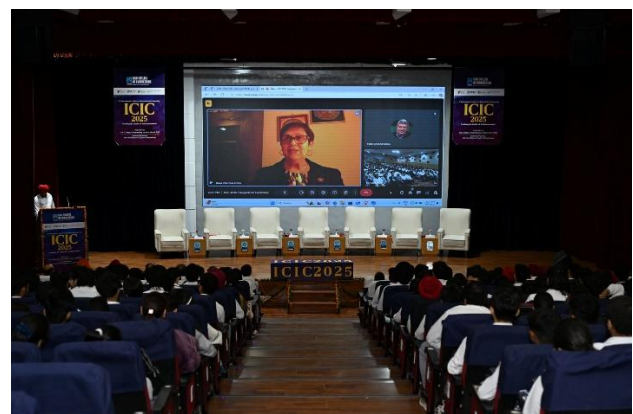
**Keynote Speaker**  
**Prof. Valentina Emilia Bălaș**  
 Professor, Aurel Vlaicu University of Arad / Academy of Romanian Scientists, ROMANIA

**Eminent Speaker**  
**Dr. Gagangeet Singh Aujla**  
 Associate Professor, Dept. of CSE, Durham University, UK

**Keynote Speaker**  
**Prof. Stella Fabio Antonio**  
 University of Milano-Bicocca, Milano

**24<sup>th</sup> April 2025**  
 10:00 AM onwards  
 Main Auditorium

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10. Chief Guest at the World Conference on Statistical Inference (WCSI 2025), organized by the Department of Statistics, Bharathiar University, Coimbatore, Tamil Nadu, INDIA. Title: *“Statistics and Fuzzy Logic: Two Paradigms for Modeling Ambiguity and Variability”*  
[World Conference on Statistical Inference WCSI 2025 Hybrid mode](#)

**World Conference on Statistical Inference WCSI 2025 Hybrid mode**

**Statistics and Fuzzy Logic: Two Paradigms for Modeling Ambiguity and Variability**

dedicated to Prof. Prasanta Chandra Mahalanobis, the father of Indian statistics and to the memory of great scientist Prof. Lotfi A. Zadeh – celebration of 60 years of FUZZY LOGIC

29<sup>th</sup> June  
**NATIONAL STATISTICS DAY 2025**

National Sample Survey

**Valentina Emilia Balas**

Aurel Vlaicu University of Arad, ROMANIA  
 Academy of Romanian Scientists  
 balas@drbalas.ro

Bharathiar University, Coimbatore, INDIA, June 29, 2025

**Fuzzy Sets\***  
 L. A. Zadeh  
 Department of Electrical Engineering and Electronic Research Laboratory,  
 University of California, Berkeley, California

A fuzzy set in a class of objects with a restriction of gradus of membership which is characterized by a membership (characteristic) function which assigns to each object a grade of membership (between zero and one). This grade of membership, which is denoted by a number in the interval [0, 1], is extended to fuzzy sets and various operations of fuzzy set theory. In general, fuzzy sets in general without requiring that the fuzzy sets be disjoint.

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11. Invited Speaker at the 50<sup>th</sup> edition of International Nathiagali Summer College (INSC) on Physics and Contemporary Needs, in the Artificial Intelligence and Machine Learning section. Title 1: *“Human-Centred AI in LLM-Based Chatbots”* and Title 2: *“Soft Computing as a Paradigm for Solving Complex Problems: Methodologies and Applications”*. The event was organized by the Pakistan Atomic Energy Commission (PAEC).  
<https://insc.npc.edu.pk/insc-2025.php>

International Nathiagali Summer College  
 Scientific Knowledge is a shared heritage of all mankind. - Abdus Salam

**Human-Centered AI in LLM-Based Chatbots**

**Prof. Valentina E. Balas**

Aurel Vlaicu University of Arad, Romania  
 Academy of Romanian Scientists  
 e-mails: balas@drbalas.ro, valentina.balas@uav.ro

16-21 June 2025, Nathiagali, PAKISTAN

International Nathiagali Summer College  
 Scientific Knowledge is a shared heritage of all mankind. - Abdus Salam

**Soft Computing as a Paradigm for Solving Complex Problems: Methodologies and Applications**

**Valentina E. Balas**

Nathiagali, PAKISTAN, June 20-21, 2025

Aurel Vlaicu University of Arad, ROMANIA  
 Academy of Romanian Scientists  
 balas@drbalas.ro



12. Keynote Speaker at the 11th International Conference on Electrical Energy Systems (ICEES-2025) IEEE sponsored, organized by Sri Sivasubramaniya Nadar College of Engineering, Chennai, on 23 August 2025.  
<https://www.icees2025.in/>



11th International Conference on Electrical Energy Systems  
 ICEES - 2025  
 AUGUST 21-25, 2025  
 KEYNOTE ADDRESS - VENUE / MEETING LINK

Keynote Address	Speaker	Venue / Meeting Link	Date & Time
KEYNOTE ADDRESS 1	Dr. Neelam K Das Professor School of Engineering and Technology OJ University, Hyderabad	Room 104 Department of EEE (5th floor of Sri Sivasubramaniya Nadar College of Engineering) 100-11, Chennai	August 23, 2025 (Thursday) 10:00 AM - 11:30 AM
KEYNOTE ADDRESS 2	Dr. K. Srinivasan Professor Department of EEE Sri Sivasubramaniya Nadar College of Engineering Chennai, India	Room 104 Department of EEE (5th floor of Sri Sivasubramaniya Nadar College of Engineering) 100-11, Chennai	August 23, 2025 (Thursday) 11:00 AM - 01:00 PM
KEYNOTE ADDRESS 3	Dr. G. Ramesh Das Associate Professor Department of Engineering Government College of Engineering Madurai, India	Room 104 Department of EEE (5th floor of Sri Sivasubramaniya Nadar College of Engineering) 100-11, Chennai	August 23, 2025 (Thursday) 01:00 PM - 02:00 PM
KEYNOTE ADDRESS 4	Dr. Manoj Kumar Professor Department of EEE Department of Engineering Jawahar Institute of Technology Tirunelveli, India	Room 104 Department of EEE (5th floor of Sri Sivasubramaniya Nadar College of Engineering) 100-11, Chennai	August 23, 2025 (Thursday) 02:30 PM - 03:30 PM
KEYNOTE ADDRESS 5	Dr. Cheng Chen Professor & Director of Institute of Intelligent Systems Department of EEE Nanjing University Nanjing, China	Room 104 Department of EEE (5th floor of Sri Sivasubramaniya Nadar College of Engineering) 100-11, Chennai	August 23, 2025 (Thursday) 03:00 AM - 03:30 AM
KEYNOTE ADDRESS 6	Dr. Rana Vasudeva Varma Professor Department of Automation & Applied Software Aurel Vlaicu University of Arad, Romania	Room 104 Department of EEE (5th floor of Sri Sivasubramaniya Nadar College of Engineering) 100-11, Chennai	August 23, 2025 (Thursday) 01:00 PM - 02:00 PM



13. Invited Speaker at the 2025 Smart Sensor Asia·Robotics Conference, August 27–28, 2025 in Shenzhen, China.  
<http://en.ssa-te.com/> , <https://lnkd.in/d7VNd3YK> , <http://en.ssa-te.com/>

**2025 Smart Sensor Asia Robotics**

**A Fuzzy Logic Framework for Sensor Performance Enhancement in Robotics and Automation**

**Prof. VALENTINA EMILIA BALAS**

**Shenzhen, CHINA, August 28, 2025**

\*AUREL VLAICU\* University of Arad, ROMANIA,  
 Department of Automation and Applied Software  
 Academy of Romanian Scientists  
 e-mails: [balas@drbalas.ro](mailto:balas@drbalas.ro), [valentina.balas@uaav.ro](mailto:valentina.balas@uaav.ro)

**亚洲机器人智能传感系统应用大会**  
**Smart Sensor Asia·Robotics**

**Date**  
 August 27-28, 2025

**Venue**  
 Kempinski Hotel, Shenzhen  
 Guangdong, China

**Valentina Emilia Balas**  
 Professor

**Guest Introduction**

Speech topic : « A Fuzzy Logic Framework for Sensor Performance Enhancement in Robotics and Automation »

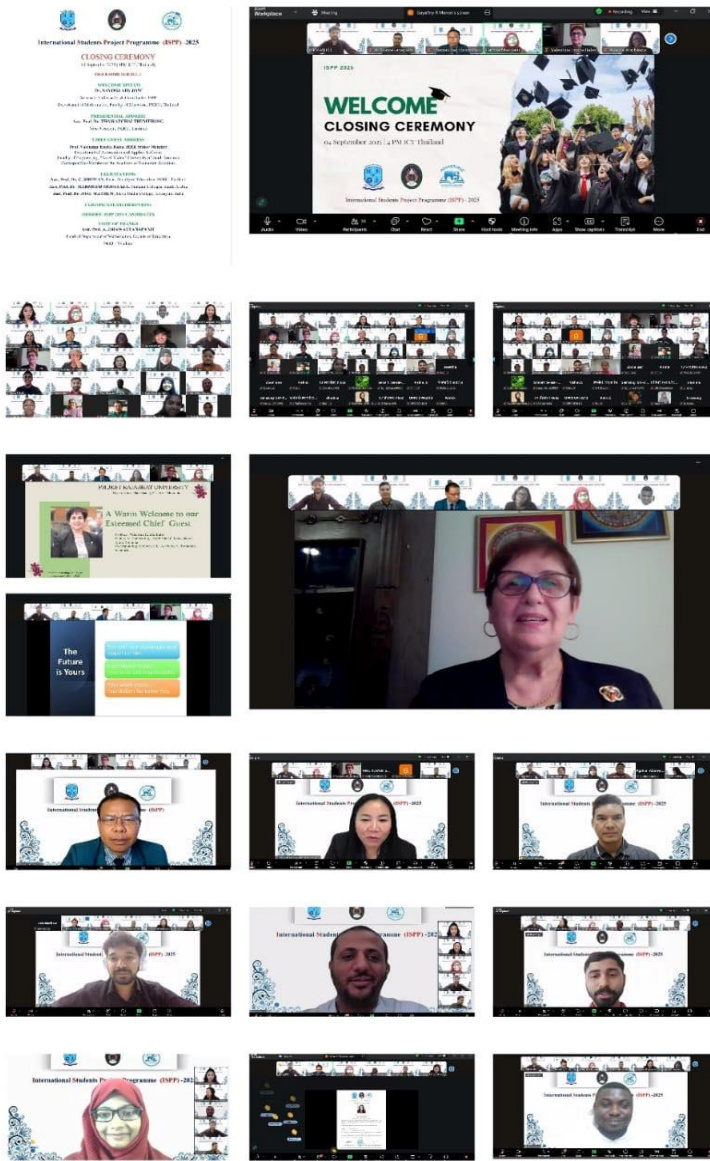
Valentina E. Balas, Habil. Professor at "Aurel Vlaicu" University of Arad, Romania, holds a Cum Laude PhD in Applied Electronics and Telecommunications from Polytechnic University of Timisoara, heads its Intelligent Systems Research Centre, has over 400 papers and 100+ books (Elsevier, etc.) with some book series, researches Intelligent Systems, Fuzzy Control, etc., is Editor-in-Chief of IJAIIP & IJCSysE, on editorial boards, evaluates projects/theses, and won 2019 "Tudor Tanasescu" (Romanian Academy) and 2023 "Stefan Odobleja" (Romanian Academy of Scientists) Prizes.



14. Chief Guest at the Closing Ceremony of International Students Project Programme (ISPP-2025), 12-19 August 2025 with the theme “*Computational and Integrative Frameworks for Epidemiological Modeling*”.

<https://sites.google.com/view/ispp-pkru/ispp-25>

### CLOSING CEREMONY



15. Invited Speaker at the International Conference on Mechanical, Engineering and Interaction Design (ICMEID 2025), 18-19 October, 2025, Melbourne, Australia.

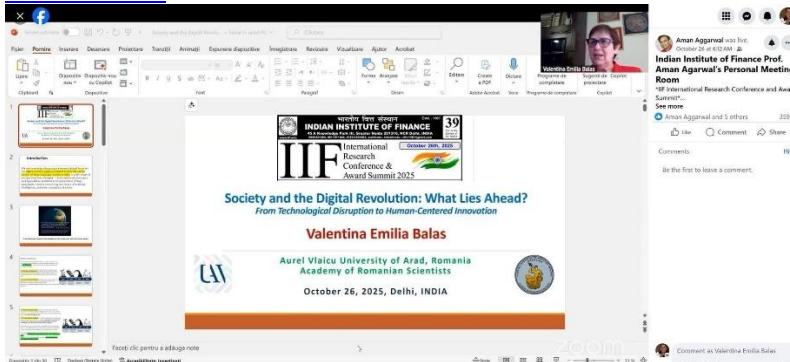
Title: “Chatbots and the Human Factor in AI”.

<https://icmeid.org/index.htm>



16. Invited Speaker at the IIF International Research Conference and Award Summit, October 26th, 2025, Delhi, India, Title: “Society and the Digital Revolution: What Lies Ahead?”,

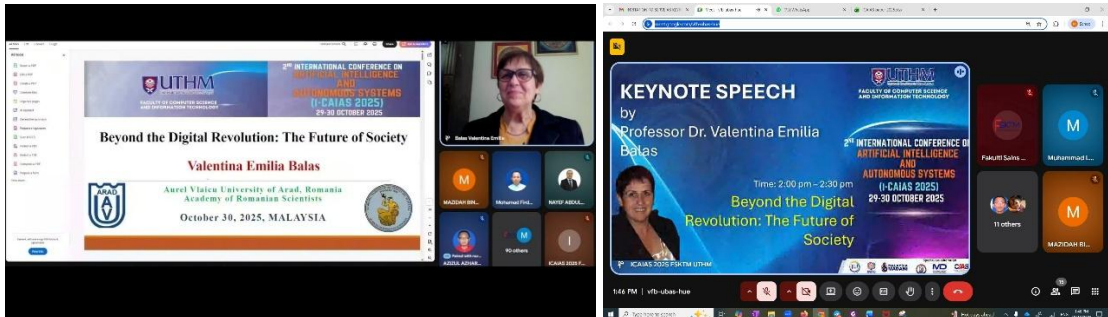
[www.iif.edu](http://www.iif.edu)



Sunday 26th October 2025 (Day 1)	
IIF International Research Conference & Award Summit	
Technical Session 2 2:00 PM to 3:15 PM IST India Time	
<p><b>02:00 PM TS-2 Chair Address:</b> IIF RC Member Keynote</p> <p><b>02:20 PM Paper Presentation IFS-1261</b></p> <p><b>02:30 PM Paper Presentation IFS-ADD-756</b></p> <p><b>02:40 PM Paper Presentation IFS-1241</b></p> <p><b>02:50 PM Paper Presentation IFS-2925</b> IIF Academic Partner [ 05:20 AM New York USA ]</p> <p><b>03:00 PM Closing Keynote Address:</b></p>	<p><b>Prof. Dr. Valentina Emilia Balas</b> (IIF Professor of Automation and Applied Information, University "Aurel Vlaicu", ROMANIA, Member EUSPLAI, ACM and SAE IEEE, IC, IEEE RAS, SIAM, Java Society, Forum for Interdisciplinary Mathematics (FIM), INHA, IIF Research Council Board Member, Indian Institute of Finance, INDIA)</p> <p><b>Effect of Share Buybacks on Stock Returns of Small, Medium, and Large-Cap Companies: A Special Focus on Companies Listed in the Indian Stock Exchange</b> Mr. Manish Gupta (Assistant Professor of Finance, Clapnet University, Maharashtra, INDIA)</p> <p><b>Empirical Study on Factors Affecting Marketing Strategies of Banking Industry: A Comparative Study of Public and Private Banks</b> Dr. Sakshi Jain (Head of Strategy - Reserves/Management (Retail/MSME/Agri) Bank of Baroda, Navi Mumbai, Maharashtra, INDIA)</p> <p><b>Artificial Intelligence and Neural Networks (ANN) in Marketing Analytics and Customer Segmentation: A Case Study</b> Prof. Dr. Hitesh Kumar (Professor, Bharati Vidyapeeth (Deemed-to-be-University) Institute of Management &amp; Research, Delhi, INDIA)</p> <p><b>Ecological and Hygienic Features of Advanced Methods of Processing Disposal of Medical and Municipal Waste</b> Prof. Dr. Anand Aravind Dhillon (Professor &amp; Medical Surgeon, Maimonides Medical Center, New York City, New York, USA)</p> <p><b>Recreation by Government - Modelling Equal Access to All Seats</b> Prof. Dr. Yamini Aggarwal (Economist, Professor of Economics &amp; Finance, IIF College of Commerce and Management Studies (CCS) University, INDIA, Dean (Research), Indian Institute of Finance, INDIA, Director &amp; Professor of Finance (May 2021-November 2024), RVNIR (Ratan Vaidya) Deemed-to-be-University, Assistant Editor, Finance India, INDIA)</p>

17. Keynote Speaker at the 2nd International Conference on Artificial Intelligence and Autonomous Systems (i-CAIAS 2025), organized by the Faculty of Computer Science and Information Technology (FSKTM), Universiti Tun Hussein Onn, MALAYSIA, (UTHM), in collaboration with the IEEE Systems, Man, and Cybernetics (SMC) Malaysia Chapter, held virtually on 29–30 November 2025. Title: “*Beyond the Digital Revolution: The Future of Society*”.

<https://icaias.uthm.edu.my/icaias2025/>



### Keynote Speakers



**Mr. Danial Azizan Abdullah Henry**  
Country Head  
Google for Education (Malaysia & Brunei)



**Professor Valentina Emilia Balas**  
Professor  
Aurel Vlaicu University of Arad / Academy of Romanian Scientist, Romania



**Professor Dr. Rozaida Ghazali**  
Professor  
Faculty of Computer Science & Information Technology  
Universiti Tun Hussein Onn Malaysia

18. Keynote Speaker and Honorary Chair at the International Conference on Information Science, Technology, and Management (CISTM 2025), held on November 6–7, 2025, and organized by the Department of Computer Science and Engineering, Akal University, Bathinda, INDIA. Title: “*The Evolution of Society into the Age of Artificial Intelligence*”

<https://auts.ac.in/conferences/cistm-25/international-conference-on-information-science-and-technology/>

**INTERNATIONAL CONFERENCE ON INFORMATION SCIENCE, TECHNOLOGY AND MANAGEMENT (CISTM 2025)**  
Virtual Edition  
November 6–7, 2025

**The Evolution of Society into the Age of Artificial Intelligence**

**Valentina Emilia Balas**  
Aurel Vlaicu University of Arad, Romania  
Academy of Romanian Scientists  
November 6, 2025, Bathinda, INDIA

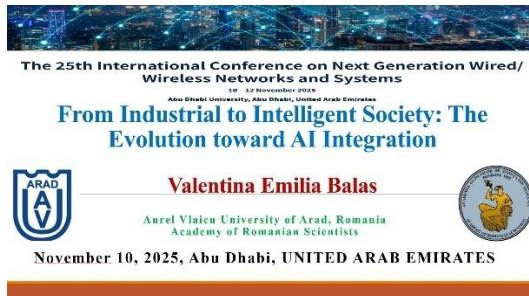
**Our Speakers**

Keynote Speakers

Plenary Talks

19. Keynote Speaker at NEW2AN 2025 - The 25th International Conference on Next Generation Wired/Wireless Networks and Systems, 10–12 November 2025, Abu Dhabi University, United Arab Emirates, Title: *“From Industrial to Intelligent Society: The Evolution toward AI Integration”*.

<https://www.new2an.com/>



Keynote Speakers



Andrey Koucheryavy  
Professor, Borsch Brevevsk State University of Telecommunications,  
Russia



Valentina Emilia Balas  
Professor at Aurel Vlaicu University of  
Arad,  
Romania



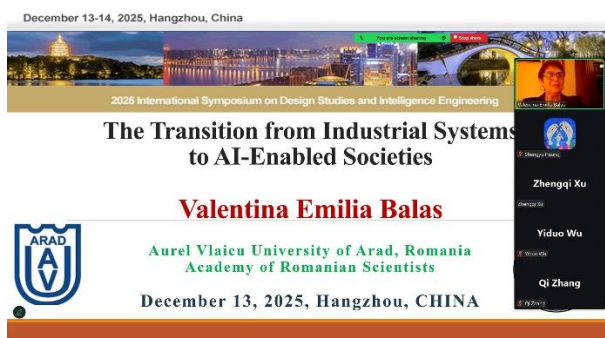
Abir Hussain  
University of Sharjah, Sharjah,  
United Arab Emirates



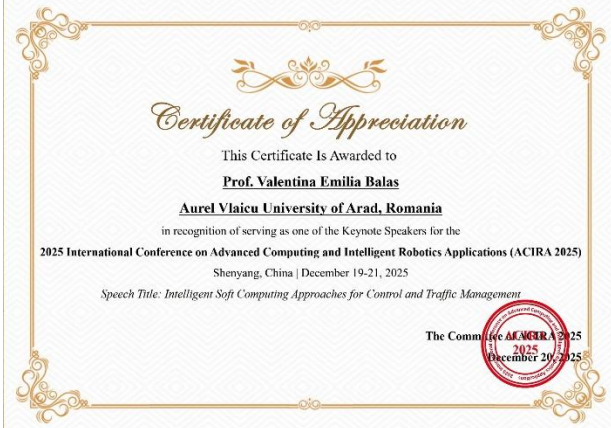
Mohsen Guizani  
Professor at MBZUAI  
UAE

20. Keynote Speaker at the 2025 International Symposium on Design Studies and Intelligence Engineering (DSIE 2025), December 13–14, 2025, Hangzhou, CHINA. Title: *“The Transition from Industrial Systems to AI-Enables Societies”*.

<http://www.dsieconf.org/index.htm>



21. Keynote Speaker at the 2025 International Conference on Advanced Computing and Intelligent Robot Applications (ACIRA 2025), held on December 19–21, 2025, Shenyang, China. Title: “*Intelligent Soft Computing Approaches for Control and Traffic Management*”.



22. Chief Guest and Keynote Speaker at the International Conference on Computational Innovations and Sustainable Technologies (ICCIST 2025), 18–19 December 2025, Bangalore, INDIA, organized by the Department of Computer Science, CHRIST (Deemed to be University), Bangalore Yeshwanthpur Campus, in collaboration with the IEEE Computer Society Bangalore Chapter.

Title: “*From Industrial Paradigms to AI-Enabled Societies*”.

<https://www.iccist.com/>

<https://www.deccanherald.com/.../christ-university-hosts...>



## From Industrial Paradigms to AI-Enabled Societies

**Valentina Emilia Balas**



Aurel Vlaicu University of Arad, Romania  
Academy of Romanian Scientists



December 18, 2025, Bangalore, INDIA



23. Keynote Speaker at the International Conference on Artificial Intelligence in Engineering Systems (ICAIES 2025), 26–27 December 2025, at Rajeev Institute of Technology in Hassan, Karnataka, INDIA.

Title: “ *Artificial Intelligence Techniques and Applications in Engineering Systems* ”.

<https://icaies.rithassan.ac.in/index.html>



### 3. PROIECTE ȘTIINȚIFICE

<p><b>Contracte de cercetare / grant / proiecte derulate prin UAV</b></p> <p>a. Proiecte / granturi naționale câștigate prin competiție</p> <p><b>Coordonator -</b></p> <p><b>Membru -</b></p>
<p>b. Proiecte / granturi internaționale câștigate prin competiție</p> <p><b>Coordonator</b></p> <p>1. Proiect EUREKA (<b>depus - în evaluare</b>) ca si <b>coordonator - partener 2025-25438/NP/OPEN CALL - THERMOGUARD valoare 488.272 Euro</b></p> <p><i>Modular Multi-zone Thermal Control, Monitoring &amp; Early Warning System for Industry</i></p> <p><b>Membru</b></p> <p>1. ERASMUS-EDU-2024-POL-EXP-DIGITAL-101195721 — GLITTER, membru cercetator, durata 12 luni, buget EUR 996.558</p>

For Action - INFO: Allocation of role of Team Member for project GLITTER (101195721) in organisation <996742125 - UNIVERSITATEA AUREL VLAICU DIN ARAD>



European Commission <EC-NO-REPLY-GRANT-MANAGEMENT@nomail.ec.europa.eu>  
To: Valentina Emilia BALAS

Reply

This message was sent with High importance.  
If there are problems with how this message is displayed, click here to view it in a web browser.

## Europa / Funding & Tenders Portal notification

Dear Funding & Tenders Portal User,

You have been granted the role of **Team Member** for the project GLITTER (101195721) in the organisation UNIVERSITATEA AUREL VLAICU DIN ARAD.

In order to access your organisation data on the Funding & Tenders Portal (F&T Portal), you need to login in the F&T Portal. If you did not have an EU Login yet, it was launched automatically for you when the F&T Portal role was allocated and you received a separate e-mail with a hyperlink for finalising your account.

For more information about the F&T Portal roles and access rights, please consult the [Online Manual](#).

With kind regards,  
EU Single Electronic Data Interchange Area - F&T Portal team

This email has been auto-generated. Please do not reply to this account. Your email will not be read. For any inquiries please contact the Grants Procurement Systems Support +32 (2) 29 71063 or [EC-FUNDING-TENDER-SERVICE-DESK@ec.europa.eu](mailto:EC-FUNDING-TENDER-SERVICE-DESK@ec.europa.eu).

If you want to change the frequency of receiving notifications with importance "Normal", you can do it in the Funding & Tenders Portal > My Notifications > Preferences



to me

## Europa / Funding & Tenders Portal notification

Dear Funding & Tenders Portal User,

The following person Balas Valentina Emilia ([balas@drbalas.ro](mailto:balas@drbalas.ro)) has been granted the role of **Team Member** for the project GLITTER (101195721) in the organisation UNIVERSITATEA AUR ARAD.

With kind regards,  
EU Single Electronic Data Interchange Area - F&T Portal team

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If you want to change the frequency of receiving notifications with importance "Normal", you can do it in the Funding & Tenders Portal > My Notifications > Preferences

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Participant Contact	Gavril Rad	radgavrilara d@gmail.co	n00g0xfe

c. Alte contracte câștigate prin competiție (ex. proiecte locale, proiecte cu mediul de afaceri etc.)

participare/ membru –

1. Nume proiect: ***Evaluarea, modelarea și simularea unor metode avansate de soft computing in domeniul producerii de curent electric cu ajutorul panourilor fotovoltaice.***

Director proiect: Flavius-Maxim Petcuț

Membru in proiect: **Valentina E. Balas**

Implementat de:

UNIVERSITATEA AUREL VLAICU

Nr. Ctr. 5578/03.06.2025,

Și finanțat de

S.C. ANTACO BILLING SYSTEMS S.R.L

Nr. Ctr. 2172/03.06.2025,

În valoare de: 55000 lei (aproximativ 11.000 Euro).

Durata de desfășurare 5 ani: 1 iulie 2025 - 30 iunie 2030

## Evaluator de proiecte

Evaluator a 75 de proiecte NATO din cadrul DIANA.  
Evaluator a 6 Proiecte Europene “Pathfinder”.

### Activități de pregătire a studenților în cadrul unor cercuri științifice studențești / concursuri

a. Conferința Studențească Internațională a Facultății de Inginerie, UAV Arad, ediția a 27-a, Arad 8-10 mai, 2025

<https://sicss2025.somee.com/docs/ProgramSICSS2025.pdf>

1.	Analiza neexhaustivă a uneltelor AI pentru programatori	Autor: Margareta Szegő, Anul III AIA, Coordonatori: Prof.dr.ing. Valentina E. Bălaș și Prof. Dr.ing. Marius M. Bălaș Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Arad
2.	Proiectarea unui ecran digital pentru vehicule electrice	Autor: Butnaru Petrică, Anul III AIA Coord.: Prof.dr.ing. Valentina E. Bălaș și Prof.dr.ing. Marius M. Bălaș Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Arad
3.	The Role of Proximity Transducers in Automation	Autor: David Crisan, Anul II AIA. Coordonator: Prof.dr.ing. Valentina E. Bălaș Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Arad
4.	Automation of the Ventilation, Heating and Cooling System at the Romanian Orthodox Church in Siria	Autor: Botezatu Iulian Dimitrie, Anul II AIA. Coordonator: Prof.dr.ing. Valentina E. Bălaș Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Ara
5.	Development of a Robotic System for Detecting and Tracking Plastic Bottles for Collection and Recycling Purposes	Autor: Iosif Sipos, Anul IV AIA, Coordonator: Prof.dr.ing. Valentina E. Bălaș Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Arad
6.	Implementing a Perceptron in Verilog	Autor: Naomi Vărtaci, An I Master ASI Coord. Prof.dr.ing. Valentina E. Bălaș Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Arad
7.	Aplicație de monitorizare IoT: Stocare de date și alerte folosind ESP32 și Windows Forms	Autori: Botizan Sorin și Hacıuc Valentin-Adrian An II Master ASI Coord. Prof.dr.ing. Valentina E. Bălaș As.drd. Tania Gavrilă Facultatea de Inginerie, Universitatea “Aurel Vlaicu” din Arad
8.	Integrating Artificial Intelligence into Automotive Quality Assurance Systems	Autor: Priscilla Vacarescu, PhD Student, Petroleum-Gas University of Ploiești Coord. Prof.dr.ing. Valentina E. Bălaș
9.	Optimization of the Operating Parameters of an Aquaponic System Using Real-Time Weather Data	Autor: Daniel Alexuță, PhD Student, Petroleum-Gas University of Ploiești Coord. Prof.dr.ing. Valentina E. Bălaș
10.	Advanced Research in the Design of a Control Algorithm for the Artificial Pancreas	Autor: Tania Gavrilă, PhD Student, Petroleum-Gas University of Ploiești Coord. Prof.dr.ing. Valentina E. Bălaș
11.	Validation of Photovoltaic Panel Models Through MATLAB-Based Simulation and Optimisation	Autor: Petcuț-Lasc Anca-Adriana, PhD Student, Petroleum-Gas University of Ploiești Coord. Prof.dr.ing. Valentina E. Bălaș
12.	Applying AI Techniques to Database Analysis	Autor: Dan Andrei Rădulescu, PhD Student, Petroleum-Gas University of Ploiești

**b. Simpozionul Internațional ”Brainstorming în Agora Cercurilor Studențești”, BACStud 2025, Ediția a XI-a, 9-10 octombrie 2025, Universitatea Agora din Municipiul Oradea, Băile Felix, Băile 1 Mai, <https://www.univagora.ro/upload/redactor/document/program-bacstud-2025-3065.pdf>**

1. Lucrarea: Aplicație pentru analiza de date  
Autor: Mărienuțiu Marian-Ilie  
Coordonatoare: Prof. univ. dr. ing. habil. Bălaș Valentina  
Afilieră: Universitatea „Aurel Vlaicu” din Arad, Facultatea de Inginerie
2. Lucrarea: Proiectarea unui panou de bord digital pentru trotinete electrice  
Autor: Butnaru Petrică  
Coordonatori: Prof. univ. dr. ing. habil. Bălaș Valentina, Prof. univ. dr. ing. habil. Bălaș Marius  
Afilieră: Universitatea „Aurel Vlaicu” din Arad, Facultatea de Inginerie
3. Lucrarea: Robot de detectare și colectare a sticlelor de plastic  
Autor: Șipoș Iosif  
Coordonator: Prof. univ. dr. ing. habil. Bălaș Valentina  
Afilieră: Universitatea „Aurel Vlaicu” din Arad, Facultatea de Inginerie
4. Lucrarea: Maintenance tracking for industrial machines and employee management  
Autoare: Ungureanu Erika-Maria  
Coordonatoare: Prof. univ. dr. ing. habil. Bălaș Valentina  
Afilieră: Universitatea „Aurel Vlaicu” din Arad, Facultatea de Inginerie
5. Lucrarea: Stocarea energiei solare pentru oxigenarea bazinelor acvaponice pe timp de noapte: Strategii și implementări  
Autor: Alexuță Daniel<sup>1,2</sup>  
Coordonatori: Prof. univ. dr. ing. habil. Bălaș Valentina<sup>1,2</sup>, Prof. univ. dr. ing. habil. Bălaș Marius<sup>2</sup>  
Afilieri: <sup>1</sup>Universitatea Petrol-Gaze din Ploiești, <sup>2</sup>Universitatea „Aurel Vlaicu” din Arad
6. Lucrarea: Reglarea concentrației de glucoză în sânge folosind un controler fuzzy cu identificator neuronal  
Autoare: Gavrilă Bogdana-Tania<sup>1,2</sup>  
Coordonatoare: Prof. univ. dr. ing. habil. Bălaș Valentina<sup>1,2</sup>  
Afilieri: <sup>1</sup>Universitatea Petrol-Gaze din Ploiești, <sup>2</sup>Universitatea „Aurel Vlaicu” din Arad
7. Lucrarea: Intelligent quality: AI-driven solutions in automotive industry 4.0  
Autoare: Sondra Preascilla Ioana Vacarescu<sup>1,2</sup>  
Coordonatori: Prof. univ. dr. ing. habil. Bălaș Valentina<sup>1,3</sup>, Prof. univ. dr. ing. Nicolae Paraschiv<sup>1</sup>  
Afilieri: <sup>1</sup>Universitatea Petrol-Gaze din Ploiești, <sup>2</sup>S.C. Continental Automotive Romania S.R.L., <sup>3</sup>Universitatea „Aurel Vlaicu” din Arad
8. Lucrarea: Importanța poziționării corecte a panourilor fotovoltaice  
Autoare: Petcuț-Lasc Anca-Adriana<sup>1,2</sup>  
Coordonatori: Prof. univ. dr. ing. habil. Bălaș Valentina<sup>1,2</sup>, Șef lucr. dr. ing. Petcut Flavius-Maxim  
Afilieri: <sup>1</sup>Universitatea Petrol-Gaze din Ploiești, <sup>2</sup>Universitatea „Aurel Vlaicu” din Arad

**BacStud Engineering Innovation Contest & Expo – Inovație și Tehnologie în Acțiune!**

<https://www.univagora.ro/upload/redactor/document/brosura-concurs-3046.pdf>

9. Lucrarea: Proiectarea unui panou de bord digital pentru trotinete electrice  
Autor: Butnaru Petrică  
Coordonator: Prof. univ. dr. ing. habil. Valentina E. Bălaș, Prof. univ. dr. ing. habil. Marius Bălaș  
Afilieră: Universitatea „Aurel Vlaicu” din Arad, Facultatea de Inginerie
10. Lucrarea: Robot de detectare și colectare a sticlelor de plastic  
Autor: Șipoș Iosif  
Coordonator: Prof. univ. dr. ing. habil. Bălaș Valentina  
Afilieră: Universitatea „Aurel Vlaicu” din Arad, Facultatea de Inginerie

c. MathStud-IT, Intenational Student Conference, 17.11.2025

[https://studmathit-uav.ro/wp-content/uploads/2025/11/StudMath-IT\\_2025\\_Abstracts\\_Book.pdf](https://studmathit-uav.ro/wp-content/uploads/2025/11/StudMath-IT_2025_Abstracts_Book.pdf)

Creating an embedded hardware solution for portable audio systems	Petrică Butnaru	"Aurel Vlaicu "University of Arad, Arad, Romania	Valentina-Emilia BĂLAS
Exploring Automation and AI in mental health	Margareta Szegő	"Aurel Vlaicu "University of Arad, Arad, Romania	Valentina-Emilia BĂLAS
Autonomus Collection of Plastic Bottles	Șipoș Iosif	"Aurel Vlaicu "University of Arad, Arad, Romania	Valentina-Emilia BĂLAS

### Lista cu lucrari de licenta coordonate in sesiunile iulie-septembrie 2025

1	CELSIE	ALINA-IOANA	SISTEM AUTOMATIZAT DE PREVENIRE A ACCIDENTELOR IN ZONELE DE TRECERE PENTRU PIETONI	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
2	CHIFORESCU	DORIAN-DANUT	SISTEM EXPERT PENTRU ACHIZITIA UNEI MASINI	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
3	HEDESAN	CRISTIAN-SILVIU	SORTAREA AUTOMATA A BOMBOANELOR PE BAZA CULORII CU AJUTORUL PLATFORMEI ARDUINO	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
4	SIPOS	IOSIF	DEZVOLTAREA UNUI SISTEM ROBOTIC PENTRU DETECTAREA SI URMARIREA STICLELOR DE PLASTIC IN SCOPUL COLECTARII SI RECICLARII	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
5	VASICA	GABRIEL SEBASTIAN	SECURITATEA RETELELOR, AARHITECTURA IPsecSI AUTOMATTIZAREA RETELELOR	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
6	NICULA	CLAUDIU CRISTIAN	SISTEM DE CONTROL AL ACCESULUI BAZAT PE RFID CU ARDUINO	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
7	DENIS	TRAIAN		PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA

### Lista cu lucrari de disertatie coordonate in sesiunile iulie-septembrie 2025

1.	BABAU	PAUL-MIHAI	ROBOT CURIER	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
2.	BELEAN	EMANUELA	COPILOT STUDIO-CHATBOT	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA

3.	BUMBU	EDUARD-RICHARD	CONTRIBUTII INOVATOARE IN PROIECTAREA SI OPTIMIZAREA SISTEMELOR DE SIGURANTA PENTRU AUTOMOBILE – STUDIUL DE CAZ	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
4.	CHIS	IONUT-MARIUS	SMAR CAR PARKING SYSTEM	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
5.	CRISTEA	RAZVAN-CATALIN	SQUAREDASH IN GODOT	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
6.	DON	DARIUS-FLORN	PROIECTAREA SI IMPLEMENTAREA UNEI APLICATII WEB PENTRU GESTIONAREA UNEI FARMACII ONLINE	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
7.	GAVRILA	TANIA-BOGDANA	PROIECTAREA UNUI CONTROLER PENTRU CONDUCEREA PANCREASULUI ARTIFICIAL	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
8.	GRAMA	DENNIS CASSIAN	ECHIPAMENT DDDE VERIFICARE A CENTURILOR DE SIGURANTA EOL MC	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
9.	PALEA	LIDIA-ALEXANDRA	AUTOMATIZAREA UNEI SERE CU SENZORI, ESP32 SI NODE-RED	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
10.	ROCHIAN	ADRIAN	SISTEM INTELIGENT BAZAT PE RECUNOASTERE BIOMETRICA SI DETECTIE A POSTURII UMANE FOLOSIND	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA
11.	VACARESCU	SONDRA-PREASCILA IOANA	OPTIMIZAREA CONTROLULUI CALITATII IN INDUSTRIA AUTOMOTIVE PENTRU INTEGRAREA SISTEMELOR INTELIGENTE	PROF. DR. ING. BĂLAȘ VALENTINA-EMILIA

#### 4. ACTIVITATE ORGANIZATORICĂ, DE CERCETARE ÎN ORGANISME ȘTIINȚIFICE INTERNAȚIONALE/NAȚIONALE

##### Membru în academii, asociații profesionale sau organizații profesionale de prestigiu

- Academia Română - Premiul “Tudor Tanasescu” al Academiei Române pentru 2019.
- ASAS, AOSR, academii de ramură – **membru corespondent AOSR**
- Conducere asociații/organizații profesionale internaționale **Secretary FIM, India**

Conducere asociații/organizații profesionale naționale

- **AGIR – președinte filiala Arad**
- **SRAIT- președinte filiala Arad**
- **AAIR - președinte filiala Arad**
- **IEEE Romania Section – Responsible with Volunteers**
- **Vicepreședinte al Chapterului IEEE CIS Romania**

## Membra în Asociații și Societăți Profesionale

Membră **IEEE Computational Intelligence Society** din 2004.

Membră **IEEE Computer Society** din 2007.

Membră **IEEE Women in Engineering** din 2008.

**Senior Member IEEE** din 2007.

Membră **WCI (Women in Computational Intelligence)** din 2006, <http://www.ieee-cis.org/members/wci/> ; <http://smile.ee.ncku.edu.tw/WCI/index.html> ,

Membră **IEEE Communications Society** din 2003.

Membră în **Emergent Technologies Technical Committee (ETTC)** of the Computational Intelligence Society (CIS) of the Institute of Electrical and Electronic Engineers, Inc. (IEEE), pentru Europa, din 2009, <http://www.ieee-cis.org/technical/ettc/>.

Membră în **IEEE Systems, Man, and Cybernetics Society (SMC)** din 2009

Membră în **Soft Computing Technical Committee (SCTC)** of the Systems, Man, and Cybernetics Society (SMCS) of the Institute of Electrical and Electronic Engineers, Inc. (IEEE), din 2009, [http://www.ieeesmc.org/technicalcommittees/tc\\_sc.html](http://www.ieeesmc.org/technicalcommittees/tc_sc.html)

Membră în **IEEE Industrial Electronics Society (IES)** din 2009.

Membră în **IEEE Signal Processing Society (SPS)** din 2012.

Membră în **Fuzzy Systems Technical Committee (FSTC)** of Computational Intelligence Society of IEEE din 2011, <http://ieee-cis.org/technical/fstc/>

Membră **EUSFLAT (European Society for Fuzzy Logic and Technology)** din 2007, <http://www.eusflat.org/> , responsabilă cu recrutarea din 2012.

Membră **NAFIPS North American Fuzzy Information Processing Society** din 2008, <http://nafips.ece.ualberta.ca/>

Membră **ACM – Association for Computer Machinery, USA**, din 2008, [http://portal.acm.org/author\\_page.cfm?id=81350605749&coll=GUIDE&dl=GUIDE&trk=0&CFID=24132792&CFTOKEN=17272748](http://portal.acm.org/author_page.cfm?id=81350605749&coll=GUIDE&dl=GUIDE&trk=0&CFID=24132792&CFTOKEN=17272748)

Membră a **Academiei de Științe din New York, NYAS (The New York Academy of Sciences)** din 2009, <http://www.nyas.org/>

Membră a **Academiei de Științe din Kurdistan (KAS)** din 2009, <http://www.kurdistanacademy.info/admin/member/index/>

Membră a **Asociației Generale a Inginerilor din România**, Președintă a Filialei Arad din 2018, membră din 2004, [http://www.agir.ro/comunitate.php?id\\_universitate=12&id\\_facultate=42](http://www.agir.ro/comunitate.php?id_universitate=12&id_facultate=42)

Membră a **Asociației Române de Instrumentație – România - Șefă a Sucursalei Arad a AAIR** din 2005, <http://www.aair.org.ro/Structura.html>

Membră a Asociației de Robotica, Filiala Arad, din 2004, <http://www.robotics-society.ro/filiale/arad.pdf>

Membră a **International Society on Multiple Criteria Decision Making MCDM** din 2009, <http://www.mcdmsociety.org/>

Friend of **ACRUPO (Association of Canadian Romanian University Professors, Ontario, Canada)** din 2004.

Membră a **IAENG - International Association of Engineers**, <http://www.iaeng.org/> , din 2009, membership number :101636

Membră a comunității academice **International Congress for Global Science and Technology – ICGST, 2009**, Egipt, <http://www.icgst.com/> , <http://www.icgst-amc.com/institute/Community.aspx?InstId=3&aid=1293>

Membră a **Advisory Board for the G.H.R. Labs & Research Center**, Raison Group of Institutions (RGI), Nagpur, India, din 2010, [http://ghrlabs.res.in/advisory\\_board.html](http://ghrlabs.res.in/advisory_board.html)

Membru afiliat **IFAC (International Federation of Automatic Control)** din 2009. <http://www.ifac-control.org/participate/ifac-affiliates/>

Membra a **SIAM – Society for Industrial and Applied Mathematics**, din 2010,  
<http://www.siam.org/>

Expert Tehnic Judiciar - Technical Expert of the Romanian Ministry of Justice, from 2010

Membra la **Research Gate Scientific Network**, din 2010,

[https://www.researchgate.net/profile/Valentina\\_Emia\\_Balas/?dbw=true](https://www.researchgate.net/profile/Valentina_Emia_Balas/?dbw=true)

Membra **SRAIT – Societatea Romana de Automatica si Informatica Tehnica**,  
Presedintele Filialei Arad a SRAIT din 2010, <http://srait.ecosys.pub.ro/>

Membru Asociat al Academiei Oamenilor de Știință din România din 2023

**Academia**  
**Oamenilor de Știință**  
**din România**



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Tel. 00-4021/314.74.91; Web-site: [www.aosr.ro](http://www.aosr.ro), E-mail: [secretariat.aosr@gmail.com](mailto:secretariat.aosr@gmail.com)

Academia Oamenilor de Știință  
din România  
Nr. înregistrare INTRARE/IEȘIRE  
Nr. 795 Date 23.05.2023

**Doamnei Prof. dr. Valentina Emilia Balas**

Stimată doamnă Profesor,

Avem plăcerea să vă aducem la cunoștință decizia prin care Consiliul Științific al Academiei Oamenilor de Știință din România (AOSR), în ședința din data de 10 mai 2023, v-a conferit titlul de membru asociat al AOSR.

Conform Regulamentului, obligația membrilor este de a-și declara afilierea la AOSR pe toate lucrările publicate, menționând adresa următoare: **Academy of Romanian Scientists, Ilfov Street, Bucharest, Romania.**

Totodată, în pagina personală de Google Scholar se menționează drept ultim domeniu, în rândul doi al paginii, numele: **Academy of Romanian Scientists**, conform cu exemplul din linkul:

<https://scholar.google.com/citations?user=i3AkppqAAAAJ>

De asemenea, vă rugăm să respectați toate prevederile Statutului AOSR.

Cu stimă,

Președinte AOSR

Prof. univ. dr.-Ing. Adrian BADEA



**Academia  
Oamenilor de Știință  
din România**



**Academy  
of Romanian  
Scientists**

Add: Ilfov nr. 3, sector 5, 050044, București, ROMANIA, Cod Fiscal: 5091859  
Tel. 00-4021/314.74.91; Web-site: [www.aosr.ro](http://www.aosr.ro), E-mail: [secretariat.aosr@gmail.com](mailto:secretariat.aosr@gmail.com)

2 aprilie 2025

**Doamnei Profesoare univ. dr. ing. Valentina Emilia BALAȘ**

Stimată doamnă Profesoară,

Avem plăcerea să vă aducem la cunoștință decizia prin care Adunarea Generală a Academiei Oamenilor de Știință din România (AOSR), în ședința din data de 27 martie 2025, v-a conferit titlul de membru corespondent al AOSR.

Conform Regulamentului, obligația membrilor este de a-și declara afilierea la AOSR pe toate lucrările publicate, menționând adresa următoare: **Academy of Romanian Scientists, Ilfov Street 3, Bucharest, Romania.**

Totodată, în pagina personală de Google Scholar se menționează drept ultim domeniu, în rândul doi al paginii, numele: *Academy of Romanian Scientists*, conform cu exemplul din linkul:

<https://scholar.google.com/citations?user=i3AkpgqAAAAJ&hl=en&oi=ao>

Cu stimă,

Prof. univ. dr. ing. Doina BANCIU

Președintele Academiei Oamenilor de Știință din România



Membra in Technical Committee la **IAMSIE** - International Association of Management Science & Industrial Engineering din 2010, Hong Kong,

[http://www.iamsie.org/index.php?option=com\\_content&view=article&id=2&Itemid=16](http://www.iamsie.org/index.php?option=com_content&view=article&id=2&Itemid=16)

Membru fondator al **Asociației Române de Inteligență Artificială - ARIA** – martie 2011, <http://www.aria-romania.org/en/about-aria/members>

Membra in Editorial Board la **SCICON** – The International Association of Science & Engineering Congress din august 2011, Bangladesh, <http://www.scicon.org/index.html>

Membra in Computational Intelligence in Control **CT 3.2** al **IFAC (International Federation of Automatic Control)** din 2011, <http://tc.ifac-control.org/3/2/members> 2010-2014

Senior Member in **IACSIT – International Association of Computer of Computer Science and Information Technology**, Singapore, No. 80343689 din 2011.

Mentor la Interscience Research Network, **IRNet**, India, [www.interscience.ac.in](http://www.interscience.ac.in), din 2012.

Elected **Joint Secretary of the Governing Council** of Forum for Interdisciplinary Mathematics (FIM), - A Multidisciplinary Academic Body, India, din 2013, <http://forum4interdisciplinarymathematics.org/Governing-Council.asp>

<http://share.pdfonline.com/56823f06637244819c01ebe38892f873/Elected%20Joint%20Secretary%20for%202013-14,%20KK%20Shukla.htm>

Elected **Vicepresident (Awards) of the International Fuzzy Systems Association Council – IFSA**, 2013- USA, <http://isdlab.ie.ntnu.edu.tw/ntust/ifsa/sources/council.html>

Member of **AIAA - American Institute of Aeronautics and Astronautics - ID number 490278, Region VII, from October 2013, member in Intelligent Systems Technical Committee.**

Member of the **International Advisory Committee (IAC) of Kalasalingam University**, Anand Nagar, Krishnan Koil-626 126, Srivilliputtur (via), Tamil Nadu, India, from October 2013

Membra in Technical Committee on **Brain Machine Interface** de la IEEE Systems Man and Cybernetics Society din Noiembrie 2014, <http://www.ieeesmc.org/technical-activities/human-machine-systems/brain-machine-interface-systems>

Membra in Executive Council la **Asian Society for Research in Engineering Sciences, 2016**, <http://www.asres.org.in/administrator.html>

## **5. RECUNOAȘTERE INTERNAȚIONALĂ/NAȚIONALĂ, CONDUCĂTOR ȘTIINȚIFIC, EVALUATOR DE TEZE DE DOCTORAT, MEMBRU ÎN COMISIE DE DOCTORAT SAU DE PROMOVARE PE POST**

### **in România – 18 comisii**

1. Membra in comisia de promovare pe post de conferentiar a D-lui S.I. Dr. Ing. Catalin Dimon, la Universitatea Națională de Știință și Tehnologie Politehnica București, 24.06.2025.
2. Membra in comisia de promovare pe post de conferentiar a D-nei S.I. Dr. Ing. Viorica Spoiala, la Universitatea din Oradea, 10.09.2025, Decizia 485 din 27.06.2025.
3. Membra în comisia pentru susținerea tezei de doctorat a domnului Ing. Bancila Daniel-Marian, *Proiectarea sistemelor robuste pentru controlul panourilor fotovoltaice cu orientare variabilă*, sustinuta la Universitatea Națională de Știință și Tehnologie Politehnica București, 20.10.2025, Decizia CSUD nr. 113 din 12.09.2025.
4. Membra în comisia pentru susținerea tezei de doctorat a domnului Ing. Ștefania-Cristiana Colbu, *Contributions to the Modeling and Estimation of Photovoltaic Energy Production Using Stochastic Optimization and Machine Learning Methods*, sustinuta la Universitatea Națională de Știință și Tehnologie Politehnica București, 20.10.2025, Decizia CSUD nr. 114 din 12.09.2025.

### **Evaluator teze de doctorat sau teze de abilitare ca și membru în Comisia 15 CNATDCU**

1. Adrian-Eugen Musuroi – teza de doctorat *Secure Key Exchange and Time Synchronization for Controller Area Networks*, Universitatea Politehnica din Timisoara.
2. Bran Emanuela – teza de doctorat *Human-Centered Digital Architectures for Global Inclusion*, Universitatea Națională de Știință și Tehnologie Politehnica București.
3. Alexandru Gabriel Cismas – teza de doctorat *Dispozitiv Medical de Transmisie în Timp Real Pentru Situații de Luptă*, Universitatea Națională de Știință și Tehnologie Politehnica București.
4. Madalin Costin - teza de doctorat *Control predictiv al sistemelor de acționare electrică*, Universitatea Tehnica “Gheorghe Asachi” din Iasi.

5. Daniel Calin Popeanga - teza de doctorat *Evaluarea performanțelor bazelor de date*, Universitatea Națională de Știință și Tehnologie Politehnica București.
6. Catalina Roxana Draganoiu - teza de doctorat *A new paradigm in 3D surfaces parametric modeling. Applications in industry and STEM education*, Universitatea Națională de Știință și Tehnologie Politehnica București.
7. Cristian Alexandru Gheorghita - teza de doctorat *Architecture of Distributed Reputation System for Internet Domains*, Universitatea Națională de Știință și Tehnologie Politehnica București.
8. Mohamed El-khatib - teza de doctorat *Tehnici avansate bazate pe rețele neuronale convoluționale pentru diagnosticarea cancerului de piele și a cancerului ovarian*, Universitatea Națională de Știință și Tehnologie Politehnica București.
9. Alexandru Viorel Palacean - teza de doctorat *Optimizations in Industrial Internet of Things*, Universitatea Națională de Știință și Tehnologie Politehnica București.
10. Razvan Constantin Stoleriu - teza de doctorat *Gestionarea Atacurilor de Securitate Cibernetică centrată pe Utilizator în Sistemele Informatice de Generație Viitoare*, Universitatea Națională de Știință și Tehnologie Politehnica București.
11. Iulia Stamatescu, teza de abilitare *Building Intelligent Systems through Data Intensive Optimization*, Universitatea Națională de Știință și Tehnologie Politehnica București.
12. Octavian Narcis Ionescu – teza de abilitare, Contribuții la dezvoltarea sistemelor automate bazate pe tehnologii de achiziție și securizare a datelor pentru dispozitive integrate în internetul obiectelor, Universitatea Petrol-Gaze din Ploiesti.
13. Pop Eugen - teza de abilitare, Universitatea Națională de Știință și Tehnologie Politehnica București.
14. Silviu Raileanu – teza de abilitare *Methodologies for implementing decentralized control systems in the context of Industry 4.0*, Universitatea Națională de Știință și Tehnologie Politehnica București.

- **în Azerbaijan** – supervisor la Mammadyarov Anar Orxan, AZERBAIJAN STATE UNIVERSITY OF ECONOMICS UNEC BUSINESS SCHOOL – lucrare de disertație: *Creation of management system based on fuzzy algorithm and methods*

- **în Arabia Saudita** – 2 comisii de promovare pe post

1. Souad Larabi-Marie-Sainte, King Saud University, KSA, promovare pe post de profesor
2. Marwa Sayed Salem Basyoni, University of Hail (UOH), Saudi Arabia, promovare pe post de Associate Professor.

- **în Maroc** - o comisie

1. Membru in comisia de doctorat **Candidate** : Abderrahim EL YESSEFI

**Thesis Title:** *Ampleur de la science participative et l'IA pour l'amélioration de la qualité de l'enseignement supérieur et la prédiction de l'employabilité*, l'Université Abdelmalek Essaa din Tanger.

- **în Pakistan** – 5 comisii de promovare pe post

1. Dr. Shahid Naseem promotion to the position of Tenured Associate Professor in the Department of Information Sciences, Division of Science & Technology, University of Education, Lahore, Pakistan
2. Dr. FARHANA JABEEN promotion to the position of Full Tenure Professor in the Department of Computer Science, COMSATS University, Islamabad, Pakistan
3. DR. HAMMAD OMER promotion to the position of Full Tenure Professor in the Department of Computer Science, COMSATS University, Islamabad, Pakistan

4. Dr. Muhammad Anwar application for promotion to the position of Assistant Professor, Second three-year appointment on Tenure Track System in the Department of Information Sciences promotion to the position of Associate Professor, University of Education, Lahore, Faisalabad Campus, Pakistan
5. Dr. Umer Rashid, University of Engineering & Technology, Lahore.

### **Teze de doctorat**

- **in Pakistan – 1 teza**

1. Fahad Ur Rehman, *Applications and Some Extensions of Fuzzy Incidence Graphs*, University of Management and Technology, Lahore, Pakistan

- **in India – 23 de teze evaluate**

1. Abhinandan Kumar Tiwari, *Melanoma disease detection using hybrid deep learning models*, Kalinga Institute of Industrial Technology, Bhubaneswar, India
2. Ajin M, *Towards developing intelligent algorithms using deep reinforcement learning techniques for vehicular area networks*, Anna University, Chennai, India
3. Alpeshkumar Ishwarbhai Patel, *Design and implementation of advanced control algorithms for nonlinear coupled multi input multi output system*, Nirma University, Ahmedabad, India
4. Anita Thakur, *Design and development of security solutions in blockchain*, Delhi Technological University, New Delhi, India
5. Bijoyeta Roy, *3d reconstruction of serial section histological images obtained through light microscope using machine learning*, Sikkim Manipal Institute of Technology, India
6. Sathish C, *Security in iot applications using effective security sharing scheme and markov fusion based ring toss blockchain*, Anna University, Chennai, India
7. K. Kaviya, *Efficient ocean pollutant prediction and classification using deep learning with optimization techniques*, Department of Research and Development, SIMATS, Chennai, India
8. R. Karthikha, *Optimized ai-driven pipeline for early diagnosis of colorectal cancer through polyp segmentation and classification*, B. S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India
9. Konda Srikar Goud, *Designing an optimized and robust ddos detection system in SDN using hybrid techniques*, GITAM (deemed to be university), Visakhapatnam, India
10. Leelavathy S R, *Fusion of indigenous knowledge with LSTM based methods and optimization for predicting meteorological drought*, VIT Vellore Institute of Technology, India
11. M Jayasree, *Advanced deep learning techniques for robust detection and classification of coronary artery plaque and stenosis in x-ray angiography images*, Koneru Lakshmaiah Education Foundation Green Fields, Vaddeswaram, India
12. Manpreet Kaur, *Crime Pattern Analysis and Detection using Machine Learning Approaches*, Department of Computer Engineering & Technology, Guru Nanak Dev University, Amritsar, India
13. Naveen Kumar, *Optimal power flow in a power system with hybrid energy sources*, NIT Patna, India
14. Navin Chandar. J, *Improving image captioning accuracy using advanced deep learning techniques*, B. S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India
15. P. Sankari, *Optimal power flow in a power system with hybrid energy sources*, Periyar University, Salem, India
16. Pritika Mehra, *Neural network model based anomaly detection in high dimensional time series data*, Guru Nanak Dev University, Amritsar, India

17. Rajasekhar Vatambeti, *Solution to unit commitment problems considering spinning reserve cost using hybrid heuristic techniques*, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, India
18. Sandeep Uddhavrao Kadam, *Optimization technique approaches for mutation testing analysis in object-oriented programming languages*, GITAM (deemed to be university), Visakhapatnam, India
19. Santhana Krishnan R., *Squeeze and excitation empowered deep cnn models for potato plant leaf disease classification*, Anna University, Chennai, India
20. Sirsendu Sekhar Mishra, *Development of an adaptive weight shifting training system for improved rehabilitation outcomes in individuals with lower limb amputation*, IIT Delhi, India
21. Sourav Chakraborty, *Efficient low complexity mimo detection algorithm design for wireless systems*, Indian Institute of Engineering Science and Technology, Shibpur, India
22. Thamizhvani. T. R., *Computer aided diagnostic system for alzheimer's disease using 3d mri images*, Vels Institute of Science, Technology & Advanced Studies, Pallavaram, Chennai, India
23. Vishal Gupta, *A design based comprehensive assessment framework for web services*, Guru Nanak Dev University, Amritsar, India

### Membru în colegiul de redacție (editorial board) la reviste ISI:

Nr.	Anul	Numele cadrului didactic	Revista	ISSN	Pagina web www.	Pozitia ocupata
1	2025	Valentina E. Balas	IEEE Transactions on Fuzzy Systems Q1, IF = 10,7 ISI	1063-6706	<a href="https://cis.ieee.org/publications/t-fuzzy-systems/tfs-editor-and-associate-editors">https://cis.ieee.org/publications/t-fuzzy-systems/tfs-editor-and-associate-editors</a>	Associate Editor
2	2025	Valentina E. Balas	Electronics Q2, IF=2,6 ISI	2079-9292	<a href="https://www.mdpi.com/journal/electronics/editors">https://www.mdpi.com/journal/electronics/editors</a>	Editorial Board Member
3	2025	Valentina E. Balas	Acta Polytechnica Hungarica Q2 IF=1,4 ISI	20642687	<a href="https://www.uni-obuda.hu/journal/">https://www.uni-obuda.hu/journal/</a>	Associate Editor Informatics
4	2025	Valentina E. Balas	Intelligent Decision Technologies ESCI	1872-4981	<a href="http://www.iospress.nl/journal/intelligent-decision-technologies/">http://www.iospress.nl/journal/intelligent-decision-technologies/</a>	Associate Editor
5	2025	Valentina E. Balas	International Journal of System Dynamics Applications IF=1,8 ISI	2160-9772	<a href="https://www.igi-global.com/journal/international-journal-system-dynamics-applications/51803">https://www.igi-global.com/journal/international-journal-system-dynamics-applications/51803</a>	Associate Editor Editorial Board

6	2025	Valentina E. Balas	<b>Journal of Intelligent Systems</b> IF=3 <b>ISI</b>	2191-026X	<a href="https://www.degruyter.com/view/j/jisys?lang=en">https://www.degruyter.com/view/j/jisys?lang=en</a>	Editorial Board
7	2025	Valentina E. Balas	<b>Computer Animation and Virtual Worlds</b> IF=1,1 <b>ISI</b>	1546-4261	<a href="https://onlinelibrary.wiley.com/page/journal/1546427x/homepage/editorialboard.html">https://onlinelibrary.wiley.com/page/journal/1546427x/homepage/editorialboard.html</a>	Associate Editor
8	2025	Valentina E. Balas	<b>International Journal of Computers Communications &amp; Control</b> Q3, IF=2,7 <b>ISI</b>	Online 1841-9844	<a href="https://univagora.ro/jour/index.php/ijccc/">https://univagora.ro/jour/index.php/ijccc/</a>	Editorial Board
9	2025	Valentina E. Balas	<b>Applied Computing and Informatics</b> Q1, IF = 12,3	ISSN: 2634-1964	<a href="https://www.emeraldgroupublishing.com/journal/aci">https://www.emeraldgroupublishing.com/journal/aci</a>	Member in the Advisory Board

### Membru în colectivele de redacție sau editoriale internaționale

Nr.	Anul	Numele cadrului didactic	Revista	ISSN	Pagina web www.	Pozitia ocupata
1	2025	Valentina E. Balas	<b>Journal of Information Technology &amp; Software Engineering</b>	2165- 7866	<a href="https://www.longdom.org/information-technology-software-engineering/editorial-board.html">https://www.longdom.org/information-technology-software-engineering/editorial-board.html</a>	Editorial Board
2	2025	Valentina E. Balas	<b>Journal of Computer Science and Control Systems (JCSCS)</b>	<b>1844-6043</b>	<a href="https://electroinf.uoradea.ro/index.php/jscs.html">https://electroinf.uoradea.ro/index.php/jscs.html</a>	Asociat Editor
3	2025	Valentina E. Balas	<b>International Journal of Next-Generation Computing</b>	2229-4678	<a href="https://ijngc.perpetualinnovation.net/">https://ijngc.perpetualinnovation.net/</a>	Editorial Board
4	2025	Valentina E. Balas	<b>American Journal of Intelligent Systems</b>	2165-8978	<a href="http://www.sapub.org/journal/editorialdetails.aspx?JournalID=1060&amp;PersonID=16075">http://www.sapub.org/journal/editorialdetails.aspx?JournalID=1060&amp;PersonID=16075</a>	Editorial Board
5	2025	Valentina E. Balas	<b>Journal of Computer Science &amp; Systems Biology</b>	0974-7230	<a href="https://www.omicsonline.org/editorialboard-computer-science-systems-biology-open-access.php">https://www.omicsonline.org/editorialboard-computer-science-systems-biology-open-access.php</a>	Editorial Board

6	2025	Valentina E. Balas	Journal of Medical Informatics and Decision Making	2641-5526	<a href="https://openaccesspub.org/journal/jmid/editorial-board">https://openaccesspub.org/journal/jmid/editorial-board</a>	Editorial Board
7	2025	Valentina E. Balas	Journal of Automation and Control Engineering	2301-3702	<a href="http://www.joace.org/">http://www.joace.org/</a> <a href="https://www.joace.org/index.php?m=content&amp;c=index&amp;a=lists&amp;catid=18">https://www.joace.org/index.php?m=content&amp;c=index&amp;a=lists&amp;catid=18</a>	Editorial Board
8	2025	Valentina E. Balas	Agricultural Engineering Research Journal	2218-3906	<a href="http://www.idosi.org/aerj/board.htm">http://www.idosi.org/aerj/board.htm</a>	Editorial Board
9	2025	Valentina E. Balas	International Journal of Granular Computing, Rough Sets and Intelligent Systems	1757-2711	<a href="https://www.inderscience.com/jhome.php?jcode=ijgrsis">https://www.inderscience.com/jhome.php?jcode=ijgrsis</a>	Editorial Board
10	2025	Valentina E. Balas	International Journal of Reasoning-based Intelligent Systems	1755-0556	<a href="https://www.inderscience.com/jhome.php?jcode=ijris#edboard-content">https://www.inderscience.com/jhome.php?jcode=ijris#edboard-content</a>	Editorial Board
11	2025	Valentina E. Balas	Cyber Journals: Multidisciplinary Journals in Science and Technology	1925-2676	<a href="http://www.cyberjournals.com/associates.html">http://www.cyberjournals.com/associates.html</a>	Associate Editor
12	2025	Valentina E. Balas	International Journal of Nanotechnology and Molecular Computation	1941-6318	<a href="https://www.igi-global.com/journal/international-journal-nanotechnology-molecular-computation/1117">https://www.igi-global.com/journal/international-journal-nanotechnology-molecular-computation/1117</a>	Associate Editor
13	2025	Valentina E. Balas	Turkish Journal of Analysis and Number Theory	2333-1100	<a href="http://www.sciepub.com/journal/TJANT/editors">http://www.sciepub.com/journal/TJANT/editors</a>	Editor
14	2025	Valentina E. Balas	International Journal of Bio-Medical Informatics and e-Health	2321 - 9017	<a href="http://www.warse.org/IJBMeH/editorialBoard">http://www.warse.org/IJBMeH/editorialBoard</a>	Advisory Committee Member
15	2025	Valentina E. Balas	Engineering Science & Technology	2717-5235	<a href="https://ojs.wiserpub.com/index.php/EST/about/editorialTeam">https://ojs.wiserpub.com/index.php/EST/about/editorialTeam</a>	Editorial Board
16	2025	Valentina E. Balas	International Journal of Computers and Communications	2074-1294	<a href="http://www.naun.org/cms.action?id=3050">http://www.naun.org/cms.action?id=3050</a>	Associate Editor

17	2025	Valentina E. Balas	International Journal of Digital Contents and Applications for Smart Devices	2205-8532	<a href="http://gvpress.com/journals/IJDCASD/eb.php">http://gvpress.com/journals/IJDCASD/eb.php</a>	Editorial Board
18	2025	Valentina E. Balas	International Journal of Advanced Robotics and Automation	2473-3032	<a href="https://symbiosisonlinepublishing.com/robotics-automation/editorialboard.php">https://symbiosisonlinepublishing.com/robotics-automation/editorialboard.php</a>	Editorial Board
19	2025	Valentina E. Balas	Suresh Gyan Vihar University Journal of Engineering & Technology	2277-6915	<a href="https://www.gyanvihar.org/researchjournals/editorialboard.php">https://www.gyanvihar.org/researchjournals/editorialboard.php</a>	Advisory Board
20	2025	Valentina E. Balas	Journal of Fuzzy Extension & Applications (JFEA)	2783-1442	<a href="http://www.journal-fea.com/journal/editorialboard">http://www.journal-fea.com/journal/editorialboard</a>	Editorial Board
21	2025	Valentina E. Balas	Journal of Mahani Mathematical Research (JMMR)	2251-7952	<a href="https://jmmrc.uk.ac.ir/journal/editorialboard">https://jmmrc.uk.ac.ir/journal/editorialboard</a>	Editorial Board
22	2025	Valentina E. Balas	Informatics in Medicine Unlocked (Elsevier)	2352-9148	<a href="https://www.sciencedirect.com/journal/informatics-in-medicine-unlocked/about/editorialboard">https://www.sciencedirect.com/journal/informatics-in-medicine-unlocked/about/editorialboard</a>	Editorial Board
23	2025	Valentina E. Balas	International Journal of Cyber Forensics and Advanced Threat Investigations	2753-9997	<a href="https://conceptechint.net/index.php/CFATI/about/editorialTeam">https://conceptechint.net/index.php/CFATI/about/editorialTeam</a>	Associate Editor
24	2025	Valentina E. Balas	Journal of Soft Computing and Artificial Intelligence	2717-8226	<a href="https://dergipark.org.tr/en/pub/jscai/board">https://dergipark.org.tr/en/pub/jscai/board</a>	Editorial Board
25	2025	Valentina E. Balas	International Journal of Computing and Related Technologies	(Print): 2518-4806 (Online): 2663-5429	<a href="http://ijcrt.smiu.edu.pk/ijcrt/index.php/smiu/eb">http://ijcrt.smiu.edu.pk/ijcrt/index.php/smiu/eb</a>	Editorial Board
26	2025	Valentina E. Balas	Intelligent Multimedia Processing and Communication Systems	2783-2570	<a href="https://impcs.zanjan.iau.ir/?lang=en">https://impcs.zanjan.iau.ir/?lang=en</a>	International Editorial Board
27	2025	Valentina E. Balas	Future Cyber Security and Artificial Intelligence Journal	Pending	<a href="https://fupubco.com/index.php/fcai/about/editorialTeam">https://fupubco.com/index.php/fcai/about/editorialTeam</a>	Editorial Board

28	2025	Valentina E. Balas	<i>International Journal of Engineering &amp; Technology (IJET)</i>	2227-524X	<a href="https://www.sciencepubco.com/index.php/ijet/about">https://www.sciencepubco.com/index.php/ijet/about</a>	Editorial Board
29	2025	Valentina E. Balas	International Journal of AI for Materials and Design, Accscience Publishing, Singapore	3041-0746	<a href="https://accscience.com/journal/IJAMD/about/editorial_board">https://accscience.com/journal/IJAMD/about/editorial_board</a>	Editorial Board
30	2025	Valentina E. Balas	<i>Green Design Engineering</i>	Pending	<a href="https://www.gdejournal.org/committee.htm">https://www.gdejournal.org/committee.htm</a>	Editorial Board
31	2025	Valentina E. Balas	Innovative Insights in Digital Health	Pending	<a href="https://www.sciencephotons.com/innovative-insights-in-digital-health/editorial-board">https://www.sciencephotons.com/innovative-insights-in-digital-health/editorial-board</a>	Editorial Board
32	2025	Valentina E. Balas	Future Cybersecurity and Artificial Intelligence	Pending	<a href="https://fupubco.com/fcai/about/editorialTeam">https://fupubco.com/fcai/about/editorialTeam</a>	Editorial Board
33	2025	Valentina E. Balas	Pakistan Journal of Scientific Research	0552-9050	<a href="https://paas-pk.org/index.php/pjosr/about/editorialHistory">https://paas-pk.org/index.php/pjosr/about/editorialHistory</a>	Managing Editor
34	2025	Valentina E. Balas	Research Reports on Computer Science	Pending	<a href="https://ojs.wiserpub.com/index.php/RRCS/about/editorialTeam">https://ojs.wiserpub.com/index.php/RRCS/about/editorialTeam</a>	Editorial Board

### Editor/Redactor Şef

1	2025	Valentina E. Balas	<i>International Journal of Advanced Intelligence Paradigms</i> <b>SCOPUS</b>	1755-0394	<a href="https://www.inderscience.com/jhome.php?jcode=ijaip">https://www.inderscience.com/jhome.php?jcode=ijaip</a>	Editor in Chief
2	2025	Valentina E. Balas	<i>International Journal of Computational Systems Engineering</i> <b>DBLP</b>	2046-3405	<a href="https://www.inderscience.com/jhome.php?jcode=ijcsyse">https://www.inderscience.com/jhome.php?jcode=ijcsyse</a>	Editor in Chief
3	2025	Valentina E. Balas	Scientific and Technical Bulletin. Series: Electrotechnics, Electronics, Automatic Control and Computer Science <b>Google Scholar</b>	2165-7866	<a href="https://www.uav.ro/journal/index.php/stb-eeaccs">https://www.uav.ro/journal/index.php/stb-eeaccs</a>	Editor in Chief

4	2025	Valentina E. Balas	Computational Discovery and Intelligent Systems	Pending	<a href="https://pub.scientificirg.com/index.php/CDIS/index">https://pub.scientificirg.com/index.php/CDIS/index</a>	Editor in Chief
5	2025	Valentina E. Balas	INTERNATIONAL JOURNAL OF ROUGH SETS AND DATA ANALYSIS (IJRSDA), IGI Global Scientific Publishing, USA.	2334-4598	<a href="https://www.igi-global.com/journal/international-journal-rough-sets-data/">https://www.igi-global.com/journal/international-journal-rough-sets-data/</a>	Editor in Chief

## Activități editoriale

### Referent la reviste ISI

- 1.aci: Applied Computing and Informatics
- 2.ades: Advances in Engineering Software
- 3.agwat: Agricultural Water Management
- 4.apm: Applied Mathematical Modelling
- 5.asoc: Applied Soft Computing
- 6.atmosres: Atmospheric Research
- 7.bspc: Biomedical Signal Processing and Control
- 8.camwa: Computers and Mathematics with Applications
- 9.cmpb: Computer Methods and Programs in Biomedicine
- 10.infphy: Closed\_Infrared Physics & Technology
- 11.cmig: Computerized Medical Imaging and Graphics
- 12.cnsns: Communications in Nonlinear Science and Numerical Simulation
- 13.compag: Computers and Electronics in Agriculture
- 14.conbuildmat: Construction & Building Materials
- 15.dib: Data in Brief
- 16.eaai: Engineering Applications of Artificial Intelligence
- 17.ecoleng: Ecological Engineering
- 18.egy: Energy
- 19.enb: Energy and Buildings
- 20.engstruct: Engineering Structures
- 21.flowmeasinst: Flow Measurement and Instrumentation
- 22.fss: Fuzzy Sets and Systems
- 23.hydrod: Journal of Hydrodynamics, Ser. B
- 24.ins: Information Sciences
- 25.isatrans: ISA Transactions
- 26.jfue: Fuel
- 27.jgeb: Journal of Genetic Engineering and Biotechnology
- 28.meas: Measurement
- 29.nahs: Nonlinear Analysis: Hybrid Systems
- 30.neucom: Neurocomputing
- 31.prem: Probabilistic Engineering Mechanics
- 32.robot: Robotics and Autonomous Systems
- 33.rser: Renewable & Sustainable Energy Reviews
- 34.safety: Safety Science
- 35.wm: Waste Management
- 36.ymssp: Mechanical Systems and Signal Processing
37. Journal of Intelligent and Fuzzy Systems

## Premii și distincții

1. IEARG Awards 2025 E-Certificate during the Celebrating Excellence on National Science Day event.



2. Certificate from The 9th International Conference on Mechanical, Aeronautical and Automotive Engineering, Yokohama, Japan, April 2-4, 2025. The event is sponsored by Singapore Institute of Electronics (SIE), with support from Sichuan Institute of Electronics, China, National Taiwan University of Science and Technology and Multimedia University, Malaysia.



3. **Lifetime Achievement Award** at International Conference on "Mathematical Aspects of Fuzzy Logic and its Applications" held online on June 20–21, 2025, organized by the Sridharacharya Academy of Mathematical Sciences, in collaboration with Vidyasagar University, VIT Chennai, Aliah University, and Debra Thana SKS Mahavidyalaya, India.



4. **Appointment Letter for the title of Honorary Professor**, conferred by the Honorable Dean, Faculty of Engineering and Technology, SRM Institute of Science and Technology – Ramapuram Campus, Chennai, India.

Appointment letter - Honorary Professor

25.03.2025

Prof. Valentina Emilia Balas  
Faculty of Engineering,  
Aurel Vlaicu University of Arad,  
Romania.

Dear Professor

**Sub : Appointment as Honorary Professor – reg.**

As per the approval of the Competent Authority, I am pleased to appoint you as an Honorary Professor in the department of Computer Science Engineering of SRM Institute of Science and Technology – Ramapuram Campus (Declared as Deemed to be University under section 3 of UGC Act, 1956), Chennai, India.

- As an Honorary Professor of SRMIST- Ramapuram Campus, you will report to the Head of the respective School.
  - University policies and procedures should be observed by all Honorary Professor appointees when engaged in University activities.
  - Honorary Professors shall have access to all physical, e-resources of SRMIST- Ramapuram Campus Libraries.
- As an Honorary Professor you shall be nominated / invited / offered to be
- Expert member in the Board of Studies of relevant programs offered by SRMIST- Ramapuram Campus.
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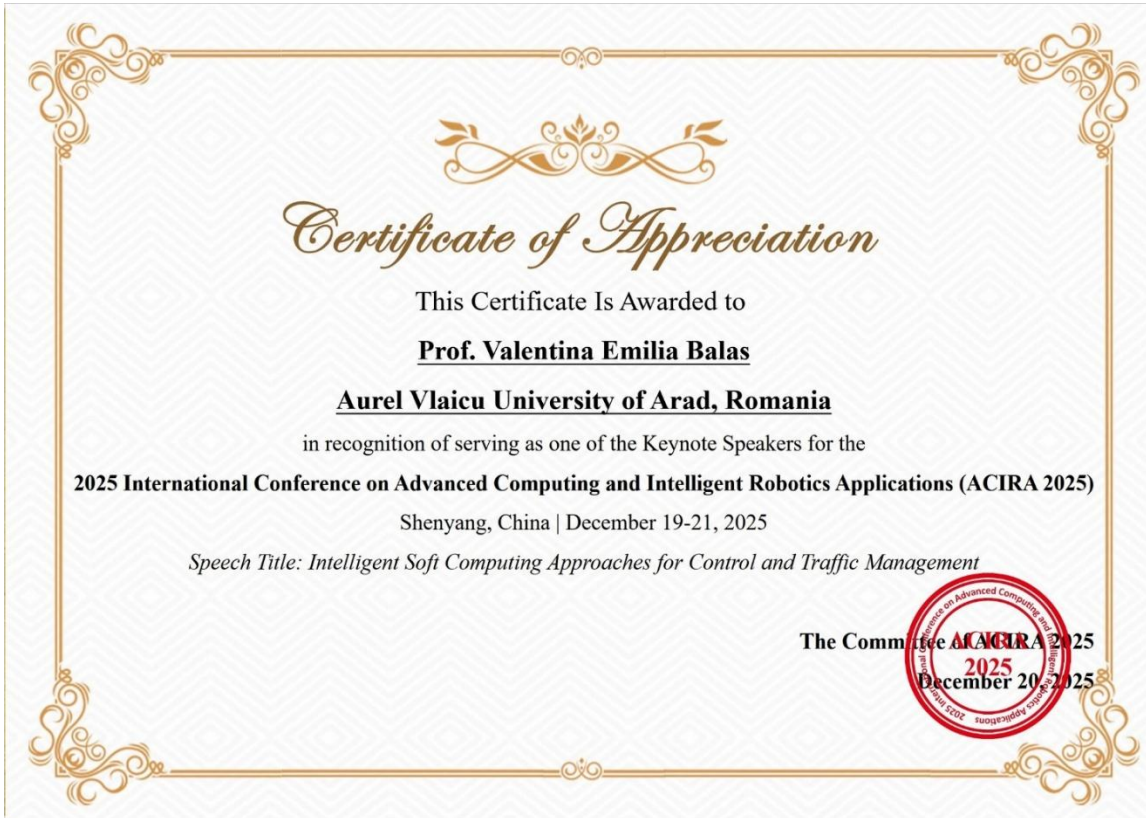
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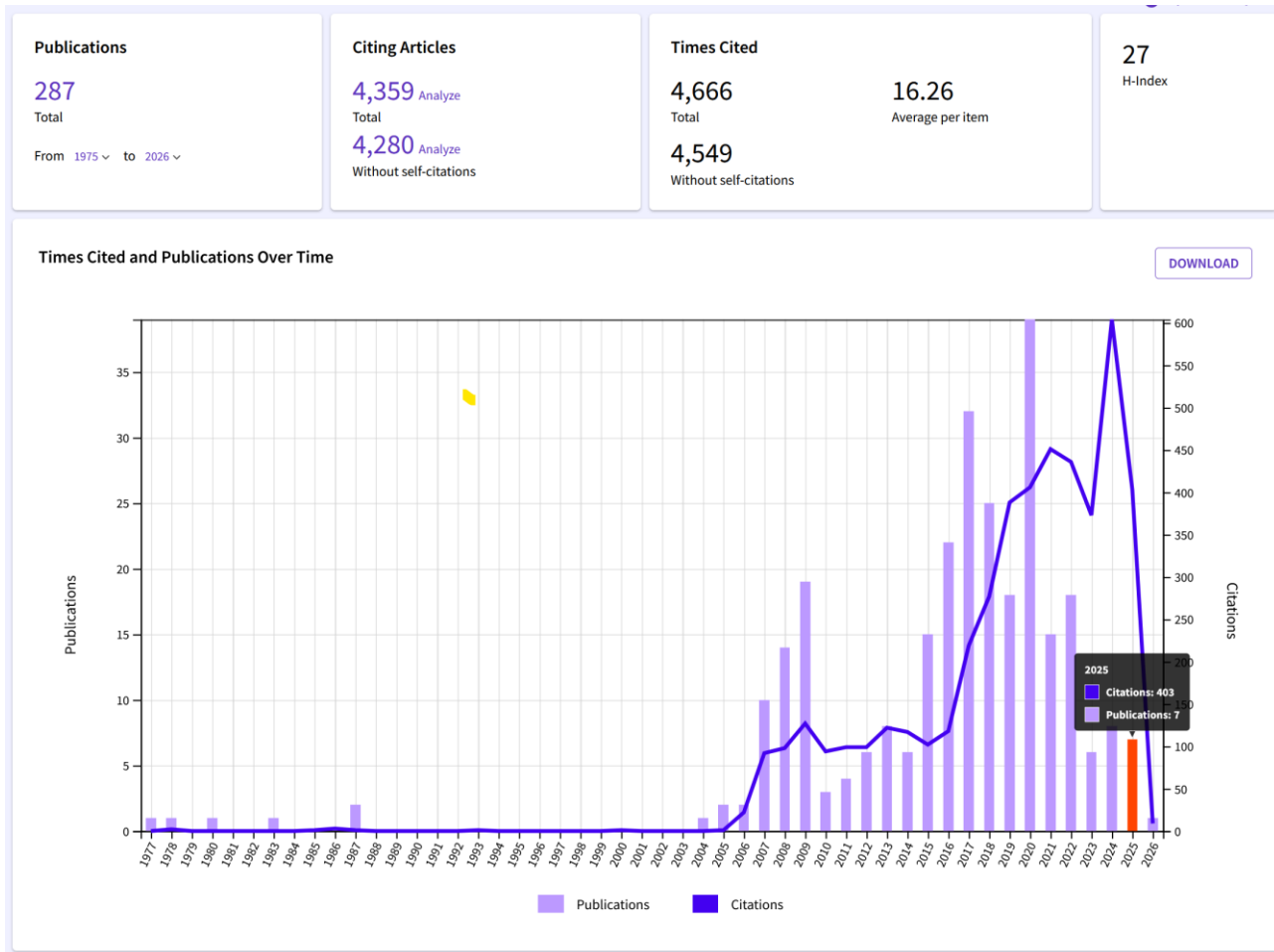
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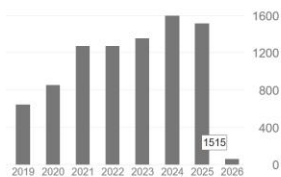
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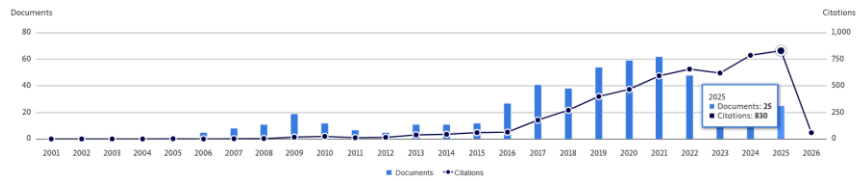
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