

# L I S T A

## lucrărilor științifice și a contractelor de cercetare

**A. Teza de doctorat :** „*Senzori Inteligenți cu Model Intern și Tehnici Fuzzy*”, Universitatea „Politehnica” Timișoara, Conducător Științific Prof. dr. ing. Mircea Ciugudean, în domeniul **Inginerie Electronice și Telecomunicații**, susținută în 13.06.2004 la Universitatea „Politehnica” Timișoara, Diplomă de doctor: Seria C, Nr. 0004886/13019 din 22.09.2003, în baza Ordinului Ministrului Educației și Cercetării nr. 4741/25.08.2003

### **B. Cărți și capitole în cărți (selectie)**

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- Decision Exploration Using Fuzzy Reasoning*, INES 2015, IEEE 19th International Conference on Intelligent Engineering Systems • September 3–5, 2015, Bratislava, Slovakia, pag. 219-223.
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#### **D. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)**

1. Valentina E. Bălaș, Radu Costineanu, Srgian Danity, Valeriu Ille, Cristian Marton, Bela A. Sajgo, Csik Zsolt, *On Watergy And Aquifers*, ISREIE 2010, International Symposium Research and Education in Innovation Era, 3rd Edition, Arad, Romania, November 11-12, 2010, Proc. 3<sup>rd</sup> ISREIE (Aurel Vlaicu Univ. of Arad Symposium), Series: Engineering, Oct. 10-12, 2010, ISSN 2065-2569, pag. 292-298.

2. Ahmad. T. Azar, Valentina E. Bălaș, *Artificial Neural Network for Electromyografic Classification*, ISREIE 2010, International Symposium Research and Education in Innovation Era, 3rd Edition, Arad, Romania, November 11-12, 2010, Proc. 3<sup>rd</sup> ISREIE (Aurel Vlaicu Univ. of Arad Symposium), Series: Engineering, Oct. 10-12, 2010, ISSN 2065-2569, pag. 238-251.

3. Onisifor Olaru, Marius Buzera, Valentina E. Bălaș, Ioan Emeric Koles, *New Algorithms for color Classification with*



4. Valentina E. Bălaș, Emeric I. Koles, Corina Mnerie, *Optimizing the Speed Controllers' Tuning*, International Symposium Research and Education in Innovation Era, 4<sup>th</sup> Edition, Arad, November 08-09, pag. 121-126, 2012.

## **E. Brevete obținute în întreaga activitate**

**NU**

## **F. Contracte de cercetare**

### **Director granturi/proiecte internationale**

1. **Project no. 015942, Project acronym CEEC IST NET, FP 6, 2005-2006.**  
**Project title** SUPPORT TO ORGANISATIONS FROM THE CENTRAL AND EASTERN EUROPEAN COUNTRIES,  
Thematic Priority: Information Society Technologies  
Deliverable D 4.1.8: NATIONAL MAPPING REPORT for ROMANIA, 20 April 2006, Duration: 24 months  
**Director Stiintific din partea UAV – Valentina E. Balas (pag.87)**  
[https://slideblast.com/project-no-015942-project-acronym-ceec-ist-net-project-title-\\_595ceac01723dd8e40283dc3.html](https://slideblast.com/project-no-015942-project-acronym-ceec-ist-net-project-title-_595ceac01723dd8e40283dc3.html)
2. **Grant Internațional – NSF Awards ENG-1047778 and ENG-1047714– Collaborative Research** - oferit de Georgia Institute of Technology, School of Materials Science and Engineering, Atlanta, Georgia, USA, **WIRES 2011** (Women's International Research Engineering Summit), Pathways to International Collaborations, 30 Martie - 2 Aprilie 2011, *Șef de program - Valentina E. Bălaș, grant castigat prin competitie*  
<http://wires.gatech.edu/main.php>,  
<http://www.wires.gatech.edu/committee.php>,  
<http://wires.gatech.edu/resources/WIRES2-agenda.pdf>
3. Global Initiative for Academic Network (GIAN) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.  
**IIT Kharagpur- the national coordinator for India**  
**Valentina E. Balas – responsible Romanian partner**  
**Funding of GIAN: 12.000 USD,**  
**Proiect câștigat prin competitie in India** - Mai 2016, derulat in septembrie 2016, singurul profesor selectat din Romania.  
<http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/>  
[http://www.nits.ac.in/gian/Brochure\\_Fuzzy\\_Interpolative\\_Controller\\_and\\_Appln\\_V\\_Balas.pdf](http://www.nits.ac.in/gian/Brochure_Fuzzy_Interpolative_Controller_and_Appln_V_Balas.pdf)
4. Proiectul de mobilitati cu codul PN-III-P3-3.1-PM-RO-CN-2018, pozitia 10 din lista de 29 de proiecte aprobate: <https://www.uefiscdi.ro/https://resource-84873://> - **PN3-P3-554/16.07.2018** - Competiția de cooperare bilaterală România – Republica Populară Chineză, directori de proiect Oana Geman, Universitatea Stefan Cel Mare din Suceava si Guojun Wang, Guangzhou University, Guangzhou, Guangdong, China, partener Universitatea Aurel Vlaicu din Arad cu director Valentina E. Balas avand titlul TEHNICI INTELIGENTE PENTRU APLICATII MEDICALE UTILIZAND RETELE DE SENZORI, acronym GUSV, Domeniul Tehnologiei informatonale si de comunicatii, valoare 79.488 lei, durata 2 ani.
5. **Un numar de 40 Travel granturi a cate 3000 EURO** fiecare pentru sustinerea de conferinte invitate si demararea de cercetari comune in India, Japonia, Taiwan, China, Singapore, USA, Ungaria, Azerbaijan, Pakistan, Iran, Rwanda.

### **Director granturi/proiecte naționale**

**Peste 25 de proiecte realizate la CCSIT Vagoane Arad in calitate de șef de proiect pentru partea electrică/electronică, proiecte obtinute prin competitie in cadrul grupului de intreprinderi producatoare de material rulant.**

6. *Masă de poziționare și rotire 1000 Kg pt. programul nuclear (responsabil - partea electrică V. E. Balas).* Cod: 291-84 MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 100.000 ROL.
7. *Masă de poziționare și rotire 4000 Kg, pentru programul nuclear (responsabil - partea electrică V. E. Balas).*

- Cod: 292-**84**MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
8. *Instalație pentru debitarea tablei din rulou (responsabil - partea electrică V. E. Balas)*. Cod: 2-**85** ISP. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 140.000 ROL.
  9. *Boghiu metrou generația a II-a (responsabil - partea electrică V. E. Balas)*/Cod: 5-**85**-BMG II. Beneficiar: I.V.ARAD. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
  10. *Mașina de roluit corpul cilindrului de frână (responsabil - partea electrică V. E. Balas)*. Cod: 6-**85**MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
  11. *Mașina de roluit capace cilindrului de frână (responsabil - partea electrică V. E. Balas)*. Cod: 16-**85**MUS. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
  12. *Agregat de găurit multi-ax taler tampon (responsabil - partea electrică V. E. Balas)*. Cod: 47-**85**AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
  13. *Agregat de găurit placa de bază tampon PKP-Polonia (responsabil - partea electrică V. E. Balas)*. Cod: 52-**85**AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
  14. *Agregat de găurit levier (responsabil - partea electrică V. E. Balas)*. Cod: 6-**86**AG. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
  15. *Mașina de bordurat și retăiat cilindrul de frână (responsabil - partea electrică V. E. Balas)*. Cod: 16-**86**MBR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 400.000 ROL.
  16. *Stand derulat cabluri (responsabil - partea electrică V. E. Balas)*. Cod: 25-**86**ST. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 270.000 ROL.
  17. *Cercetări privind realizarea unei instalații complexe pentru efectuarea încercărilor dinamice tip AAR (SUA), (responsabil - partea electrică V. E. Balas)*. Cod: 51-**87**STC. Beneficiar: C.C.S.I.T.V.A. Executant: C.C.S.I.T.V.A. Valoare: 1.200.000 ROL.
  18. *Stand complex pentru încercat cuple metrou (responsabil - partea electrică V. E. Balas)*. Cod: 6-**88**STC. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
  19. *Vagon dinamometric (responsabil - instalația TV prin cablu, interfon, sonorizare V. E. Balas)*. Cod: 207. 1988, Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 2.500.000 ROL.
  20. *Tehnologie de sudare a stâlpilor de la vagoanele tip Gondolă cu comandă program în mediu protector tip CO<sub>2</sub> (responsabil - partea electrică V. E. Balas)*. Cod: 24-**89** ISR. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
  21. *Troliu pentru deplasat longitudinal la nituire (responsabil - partea electrică V. E. Balas)*. Cod: 4-**90** D. Beneficiar: I.V.Arad. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
  22. *Instalație pentru vopsit vagoane în câmp electrostatic (responsabil - partea electrică V. E. Balas)*. Cod: 6-**91** ISR. Beneficiar: M.E.V.A. Dr. Tr.- Severin. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
  23. *Vagon transport agabaritic pe 24 osii (responsabil - partea electrică V. E. Balas)*. Cod: 653.36-36., 1991, Beneficiar: Electroputere Craiova. Executant: C.C.S.I.T.V.A. Valoare: 1.500.000 ROL.
  24. *Vagon comandă personal (responsabil - instalații electrice speciale V. E. Balas)*. Cod: AAP., 1992, Beneficiar: Ministerul Apărării Naționale. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
  25. *Vagon clinic și radiologic (responsabil - instalații electrice speciale V. E. Balas)*. Cod: AAT., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 220.000 ROL.
  26. *Vagon farmacie (responsabil - instalații electrice speciale V. E. Balas)*. Cod: AAV., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
  27. *Vagon uzină (responsabil - instalații electrice speciale V. E. Balas)*. Cod: AAW., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
  28. *Vagon sală de operații (responsabil - instalații electrice speciale V. E. Balas)*. Cod: AAR, 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 175.000 ROL.
  29. *Vagon reanimare și transport răniți (responsabil - instalații electrice speciale V. E. Balas)*., 1993, Cod: AAS. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
  30. *Vagon sală pansamente (responsabil - instalații electrice speciale V. E. Balas)*., 1993, Cod: AAU. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
  26. **Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme” in cooperare cu Universitatea „Politehnica” București prin Banca Mondială.** Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - **V. E. Balas** luna noiembrie 1999, Senzori inteligenți fuzzy, în cadrul laboratorului LAMII, Annecy, Franța. Valoare: 2000\$.
  27. **Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite și Microsisteme” in cooperare cu Universitatea „Politehnica” București prin Banca Mondială.** Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - **V. E. Balas**, luna ianuarie 2001, Senzori inteligenți fuzzy, în cadrul laboratorului LAMII, Annecy, Franța, Valoare : 2000\$.
  28. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a II-a, cu participare internațională, în limba engleză.** Iulie 2003. Universitatea „Aurel Vlaicu” din Arad. **Director - V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.000 RON.
  29. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a III-a, cu participare internațională, în limba engleză.** August 2004. Universitatea „Aurel Vlaicu” din Arad. **Director - V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.500 RON.
  30. **Proiect obținut prin competiție: Organizarea Școlii de Vară – „Soft Computing” – ediția a IV-a, cu participare internațională, în limba engleză.** Iulie 2005, Dispozitia 228/18.05 2005, Universitatea „Aurel

Vlaicu” din Arad. **Director** - V. E. Bălaș, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 8.000 RON.

31. **Proiect obținut prin competiție:** *Organizarea Școlii de Vară – „Soft Computing” – ediția a V-a, cu participare internațională, în limba engleză.* Iulie 2006. Universitatea „Aurel Vlaicu” din Arad, **Director** - V. E. Bălaș, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 3.000 RON.
32. **Contract de cercetare obținut prin competiție de la SC TAKATA SA:** *Laborator automatizări cu Echipament Mitsubishi PLC*, septembrie 2007, Universitatea „Aurel Vlaicu” din Arad, **Director de contract** - **Valentina E. Bălaș**, 1600 EURO.
33. Contract de finanțare UEFISCDI - **48/29.11.2016** - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetători cu experiența din diaspora – cod **depunere PN-III-P1-1.1-MCD2016-0108, Responsabil – Valentina E. Balas**, Cercetător din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - **2100 EURO**, proiect obținut prin competiție națională.
34. **Proiect obținut prin competiție**, Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, 23.000 lei,  
Director de proiect – **Valentina E. Balas**, Soft Computing and Applications.
35. **Contract de cercetare obținut prin competiție cu SC CONTACT PLUS SRL Arad.** „Cercetări privind dezvoltarea unor noi metode de fuzionare a cunostințelor și aplicații”, Mai 2005, Nr. 1570/11.05.2005, Universitatea „Aurel Vlaicu” din Arad. **Șef de contract** - V. E. Balas. Valoare: 5.000.000 ROL.
36. **Contract de cercetare obținut prin competiție** Nr. 05/12.12.2007 cu SC Ovidiu Nicola SRL „Cercetări privind realizarea unui senzor pentru ploaie”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract** - **Valentina E. Balas**, 1.000 RON
37. **Contract de cercetare obținut prin competiție** Nr. 2726/22.05.2008 cu SC Ready SRL „Cercetări privind aplicații ale inteligenței artificiale în tehnică”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract** - **Valentina E. Balas**, 1.000 Ron
38. **Contract de cercetare obținut prin competiție** Nr. 433/19.02.2010 cu SC Ready SRL „Cercetări privind aplicații în domeniul sistemelor inteligente”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract** - **Valentina E. Balas**, 500 Ron.
39. **Contract de cercetare obținut prin competiție** Nr. 5095.05.11.2010 cu SC Computer Voice Systems Romania SRL „Cercetări privind oportunitățile utilizării tehnologiei GWT pentru aplicațiile web cu flux de date real time”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract** - **Valentina E. Balas**, 1000 Ron.
40. Competiția Premiarea rezultatelor cercetării în Universitatea Aurel Vlaicu Arad, martie 2016, 2100 Euro – **Valentina E. Balas**.
41. **Proiect obținut prin competiție** cu Centrul Municipal de Cultura Arad - CMCA, Programul Tineret, Învățământ și Recreative 2017, poziția 20, 12.200 lei, **Director de proiect** – **Valentina E. Balas**, Cercetări în domeniul Pancreasului Artificial.
42. **Contract de cercetare științifică** obținut prin competiție nr. 9542/22.12.2017, cu SC Contact Plus SRL Arad, „Modelarea, simularea, experimentarea și validarea unor noi metode avansate de soft computing în domeniul controlului clădirilor inteligente”, **Director de proiect** – **Valentina E. Balas**, Valoare 40.000 lei (10.000 \$).
43. **Cod proiect:** PN-III-P1-1.1-MCD-2019-0133, **Contract nr.:** 23/24.09.2019 – mobilitate cercetători din diaspora – Prof. Stefan Bratosin, **Director de proiect** – **Valentina E. Balas**

#### Membru în colective de granturi/proiecte internaționale

44. Program Internațional, **Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria**, Titlu: *“Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems”*, Acronim: **NextGenElectroMedSupport**, Instituția conducătoare în țară este Universitatea Petru Maior din Târgu Mureș, universitatea conducătoare din Bulgaria este Universitatea Tehnică din Sofia. Directori de proiect: Bulgaria - Prof. dr. Roumen Kountchev Technical University from Sofia, Bulgaria, Romania - director general - Barna Iantovics, Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș, **august 2010-august 2012**.
45. Program Internațional, **Planul Național pentru Cercetare Dezvoltare și Inovare 2007-2013-PN II, Capacități /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală**, Cooperare Bilaterală între România și Slovacia Titlu: **“Hybrid Medical Complex Systems”**,  
Acronim: ComplexMediSys  
CO: Universitatea Petru Maior din Targu Mureș  
CO: Academia Slovaca de Științe, Bratislava  
Directori. Ladislav Hluchý (Slovacia) și Barna Iantovics (Romania)  
Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș,  
**ianuarie 2011-ianuarie 2013**.
46. National Science Foundation (NSF), Agency Contract Number: 0948297, Project type: Basic Research, Period: 07/20/2009 to 10/15/2010, Principal Investigator: Pamela McCauley-Bush, The objective of this grant is to establish an international collaboration with two female engineering faculty members in Romania to further the research being conducted by the Human Factors and Simulation in Disaster Management Research Team at the University of Central Florida. The UCF HFDM Research is led by Dr. Pamela McCauley Bush and the

collaborative partners are Dr. Valentina Balas and Mihaela Albu.

[https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view\\_proposal\\_detail&rec\\_id=1049585&rec\\_type=research](https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view_proposal_detail&rec_id=1049585&rec_type=research)

### Membru in colective de granturi/proiecte naționale

47. **Grant CNCISIS** „Cercetări pentru implementarea strategiilor bazate pe logica fuzzy și rețele neuronale destinate detecției și diagnosticării defectelor, cu aplicație la sistemele de conducere a acționărilor electrice”. Iulie 2004. Executant principal: Universitatea „Politehnica” Timișoara. **membri UAV** – M.M. Balas si **V. E. Bălaș**. Valoare: 800 EURO.
48. **Grant PN – II WE Cod CNCISIS : 47**, Contract de cofinanțare cu Autoritatea Națională pentru Cercetarea Științifică Nr. 316 / 09.04.2008, Workshop Exploratoriu „De la limbaj natural la soft computing: noi paradigme ale inteligenței artificiale”, Responsabil Institutul de Cercetari pentru Inteligența Artificială al Academiei Romane – Acad. Dan Ioan Tufiș, 30.000 Ron, **Colaborator** – **Valentina E. Bălaș**,
49. **POSDRU/89/1.5/S/56287**, *Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative*, Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013, Proiect implementat de Institutul Național de Cercetare-Dezvoltare pentru Textile și Pielarie – INCDTP în parteneriat cu Academia de Studii Economice București - Centrul de Cercetări Analize și Politici Regionale, Universitatea din Oradea și ASSOCIATION GROUPE ESSEC, **Membru al grupului țintă** – **Valentina E. Bălaș**, Activitatea 4 – Formarea și perfecționarea în cadrul programelor pilot de pregătire postdoctorală prin cursuri susținute de ESSEC Bussines School – Franța.
50. Membru în colectivul grantului, **Responsabil WP 3** din Programul Operațional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.1.4 – Atragerea de personal cu competențe avansate din străinătate pentru consolidarea capacității de CD. Titlul Proiectului: *Noi nano-arhitecturi de inspirație biologică de tip cellular – pentru circuite integrate, Nano-ART-BioCell – P\_37\_744*, **valoare 8.502.600 lei, 2016-2019**  
**Responsabil la pachetul WP 3** – **Valentina E. Balas**
51. **Contract de cercetare** obținut prin competiție Nr. 03 din 10.10.2013 cu SC S.C MBB S.R.L “Modelarea și simularea proceselor de tratament termic”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract** – Marius M. Balas, Membru în echipa de cercetare - **Valentina E. Balas**, 1000 Ron
52. **Contract de cercetare** științifică obținut prin competiție nr. 10/16.07.2019, cu număr de intrare la UAV: 4693/16.017.2019, cu SC Contact Plus SRL Arad, „Promovarea agriculturii în mediul urban: modele matematice și soluții concrete”, Membru în colectivul de proiect – **Valentina E. Balas**, Valoare 42.000 lei (10.000 \$).

### Keynote Speaker

1. **Keynote Speaker - Challenges in Green Computing Technologies and New AI Regulations** to 2023 3rd International Conference on Electronics, Circuits and Information Engineering (ECIE 2023), 6th to 8th, January 2023, Suzhou, CHINA.





1. **Invited Speaker - Green Computing Challenges** to the 2nd International Conference on Advanced Information Science and Computing Systems, ICAISCS 2023, January 28th, organized by Christ Nagar College, MARANALLOOR, TRIVANDRUM, KERALA, INDIA.

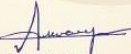



## *Certificate of Appreciation*

This certificate is presented to  
**Dr VALENTINA E. BALAS**

Professor of Automation and Applied Informatics, Aurel Vlaicu University of Arad, Romania  
for sharing her valuable knowledge as the Keynote Speaker at the **2<sup>nd</sup> International  
Conference on Advanced Information Science and Computing Systems (ICAISCS)**  
organised by the Department of Computer Science & Applications, Christ Nagar College,  
Maranallloor, Trivandrum in collaboration with **International Centre for Free and Open  
Source Software (ICFOSS)** and **Computer Society of India (CSI)** on 28<sup>th</sup> of January 2023.

  
Ms ARATHI CHANDRAN R. I.  
Coordinator

  
Ms AYSWARIYA V. J.  
Coordinator

  
Ms LIBI KURIAN  
Head of the Department

  
Dr JOLLY JACOB  
Principal

[www.christnagarcollege.com](http://www.christnagarcollege.com)



2. **Keynote Speaker - *Soft Computing Methods for Greenhouse Control*** to the 3rd International Conference on Innovations in Energy Management and Renewable Resources, IEMRE, 2023, on February 17, 2023, organized by Institute of Engineering & Management, Kolkata, INDIA, <https://solarenergy.smartsociety.org/>



3. **Invited Speaker** to The 1st International Conference on Innovating Technologies & Intelligent Systems, on 24.02.2023, organized by the Department of Computer Application & Information Technology, Centre for Vocational Studies of Yogoda Satsanga Mahavidyalaya College, Dhurwa, Ranchi, INDIA. <https://sites.google.com/view/icitis2023/home>
4. **Invited Speaker - *Artificial Intelligence in Applications.The European AI Strategy*** to The Third International Conference on Artificial Intelligence and Signal Processing, organized by the Vellore Institute of Technology, Andhra Pradesh in

Coordination with IEEE Guntur Subsection and Technical Co-sponsorship approved by IEEE Hyderabad section, INDIA, 18 March 2023.

**VIT-AP UNIVERSITY**  
Vijayawada - 522 237, Andhra Pradesh, India

**AISP '23: 3<sup>rd</sup> International Conference on Artificial Intelligence and Signal Processing**

IEEE Conference ID: 57993  
(Hybrid mode)

Mar 18-20, 2023

Organized by  
School of Electronics Engineering  
VIT-AP University, India

**SPEAKERS**

|  |  |  |  |  |   |  |
|--|--|--|--|--|---|--|
| <br><b>Arumugam Nallanathan,</b><br>CEng, FIET, FIEE<br>Professor Head of<br>Communication Systems<br>Research (CSR) Group,<br>School of Electronic<br>Engineering and<br>Computer Science,<br>Queen Mary University<br>of London, UK | <br><b>Ljiljana Trajkovic</b> FIEE<br>Professor School of<br>Engineering Science<br>Faculty of Applied<br>Sciences Simon Fraser<br>University | <br><b>Chip Hong CHANG</b><br>Professor, Fellow of<br>IEEE, School of Electrical<br>& Electronic Engineering<br>Nanyang Technological<br>University | <br><b>Valentina E. Balas</b><br>Professor Faculty of<br>Engineering, University<br>of Arad, Romania. | <br><b>Kouichi Sakurai</b> Professor<br>National University<br>Corporation Kyushu<br>University | <br><b>Dr. Sudhan Hajhi</b><br>Asso. Professor, Indian<br>Institute of Science,<br>Bangalore | <br><b>Dr. Thalmann Daniel</b><br>Professor at EPFL,<br>Director (MIRLab) |
|--|--|--|--|--|---|--|

5. **Invited Speaker - Lotfi Zadeh and his Romanian Friends** to the International scientific seminar dedicated to the scientific legacy of Professor Lotfi Zadeh, organized by the Department of Communication and Organizing Research Centers, UNEC Digital Economy Research Center and the Faculty of Digital Economy and by Shahnaz Shahbazova, professor of the Department of Digital Technologies and Applied Informatics UNEC, March 29, 2023, Baku, AZERBAIJAN.

**PROFESSOR LÜTFİ ZADƏNİN  
ELMİ İRSİNƏ HƏSR OLUNMUŞ  
BEYNƏLXALQ ELMİ SEMİNAR**

28 MART 2023  
11.00 – 13.00

|  |  |  |
|--|--|--|
| <br><b>prof. Şahnaz Şahbazova</b><br>UNEC RITI kafedrası,<br>Azərbaycan   | <br><b>prof. Janusz Kacprzyk</b><br>Systemların Tədqiqatı İnstitutu,<br>Polska    | <br><b>prof. Oskar Kastilyo</b><br>Tijuana Texnologiyalar İnstitutu,<br>Meksika |
| <br><b>prof. Vadim Stefanuyuk</b><br>Rusiya Elmlər Akademiyası,<br>Rusiya | <br><b>prof. Valentina Emilia Balas</b><br>Aurel Vlaicu Universiteti,<br>Rumıniya | <br><b>prof. Marius M. Balas</b><br>Aurel Vlaicu Universiteti,<br>Rumıniya      |

Baku, M. Mustafayev - 194  
(UNEC, III tədris binası)

zoom.us/j/95406097852 (214436)  
hibrid / hybrid

6. **Invited Speaker - Recent Trends in Intelligent Systems** to The 4th International Conference on Recent Trends in Communication & Intelligent Systems (ICRTCIS 2023), organized by Arya College of Engineering and Information Technology and hosted by the Department of Electronics & Communication Engineering, 29 April 2023, Jaipur, INDIA, 29 April 2023, <https://www.icrtcis.in/speakers-and-sessions/>

7. **Keynote Speaker and Publication Chair - *Computational Intelligence Paradigms in Switching Techniques*** to the The second IEEE-International Conference on Computational Intelligence and Sustainable Engineering (CISES-2023), 29 April, 2023, organized by G.L. Bajaj Institute of Technology & Management Greater Noida, U.P. INDIA, <https://www.glbitm.org/cises2023/Keynote-Speakers.html>

8. **Guest of Honor and Invited Speaker - *Next Generation Computing Paradigms*** to International Conference on Advancement in Computation & Computer Technologies + InCACCT-2023 organized by Department of Computer Science and Engineering, with the technical sponsors IEEE Delhi Section, 05th – 06th May 2023 at Chandigarh University, Campus – Gharuan, Mohali, Punjab, INDIA.





9. **Keynote Speaker - *Optimal Traffic Control*** to 2023 3rd International Conference on Robotics and Control Engineering (RobCE 2023) organized by Southeast University, , supported by Hong Kong Society of Mechanical Engineers (HKSME), media supported by MDPI-Robotics, Nanjing, May 12-14, 2023, CHINA, <https://www.robce.org/>

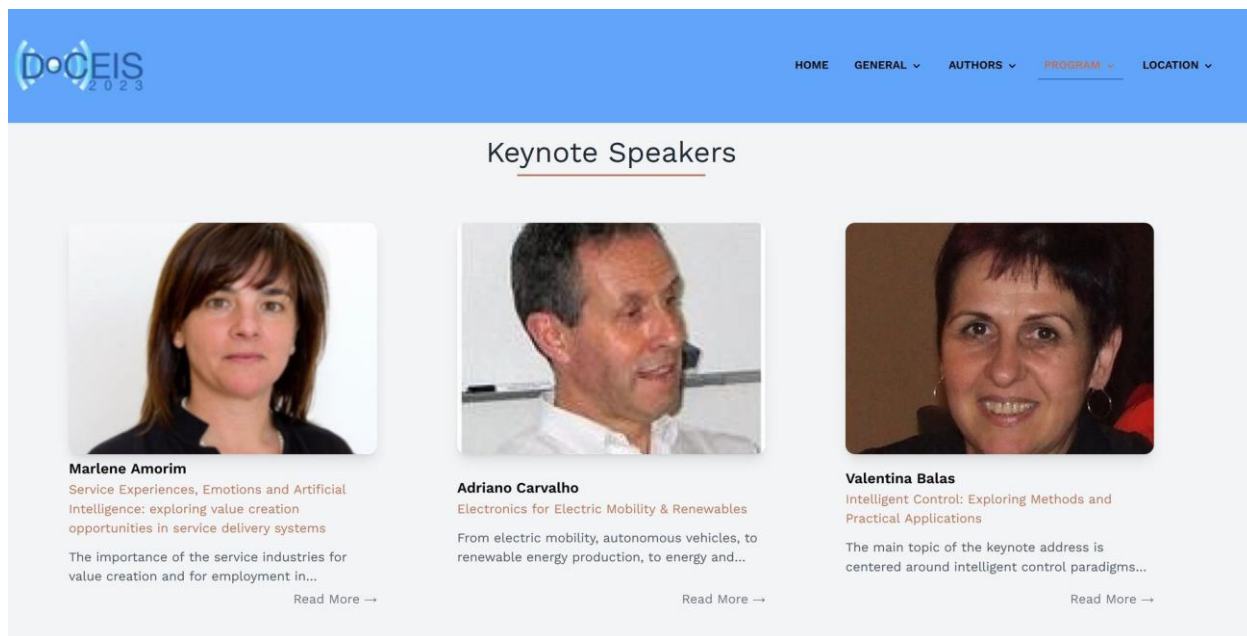


10. **Invited Speaker - *Intelligent Control Design and Practical Applications***.to 2023 2nd International Conference on Innovations and Development of Information Technologies and Robotics (IDITR 2023), co-organized by University of Electronic Science and Technology of China and Hong Kong Society of Mechanical Engineers (HKSME), technical sponsored by IEEE Chengdu Section and York University media supported by Journal of Electronics & Information Technology, May 27, 2023, Chengdu, CHINA



- 11. Keynote Speakers - *Advanced Soft Computing Methods. Design and Practical Applications*** to the 6-th edition of the International Conference on Space Launching Systems- SLS 2023 and 18-th edition of the International Conference on Artificial Intelligence in the fields of Aerospace, Astronautics, Robotics, Mechanical Engineering, Manufacturing Systems, New Technology of Materials, Non Conventional Energy, Human motricities and Neurorehabilitation- OPTIROB 2023, 29 june - 3 July 2023, Jupiter, Hotel Majestic, Romania, <https://www.uastro.space/keynore-speakers>

**12. Keynote Speaker - *Intelligent Control. Exploring Methods and Practical Applications*** to 14th Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, 5-7 July, 2023, Caparica, Portugal, The Advanced Doctoral Conference on Computing, Electrical and Industrial Systems is celebrating its 14th edition (DoCEIS 2023) with a focus on Technological Innovation for Connected Cyber Physical Spaces, <https://doceis.dee.fct.unl.pt/>



The screenshot shows the website for DoCEIS 2023. The header includes the logo and navigation links: HOME, GENERAL, AUTHORS, PROGRAM, and LOCATION. The main content area is titled "Keynote Speakers" and features three speaker profiles:

- Marlene Amorim**: Service Experiences, Emotions and Artificial Intelligence: exploring value creation opportunities in service delivery systems. The importance of the service industries for value creation and for employment in... [Read More →](#)
- Adriano Carvalho**: Electronics for Electric Mobility & Renewables. From electric mobility, autonomous vehicles, to renewable energy production, to energy and... [Read More →](#)
- Valentina Balas**: Intelligent Control: Exploring Methods and Practical Applications. The main topic of the keynote address is centered around intelligent control paradigms... [Read More →](#)

**13. Invited Speaker - *Introduction to Research Perspective. Definitions and Objectives of Research*** to 7-Days workshop on Research Methodology for Engineering, dated 24th - 30th July, 2023, organized by Shoolini University and IEEE SU Student Branch, Himachal Pradesh, INDIA, <https://shooliniuniversity.com/media/research-methodology/index.html?fbclid=IwAR2o5HaagVMJmEFSfusXz7pjP2fIKNRXhky9b-5cIH8rYiCwJNGD8BD6KFw>





Association of Indian Universities and  
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**CERTIFICATE OF APPRECIATION**

This Certificate is proudly presented to

Prof. Valentina E. Balas

Aurel Vlaicu University of Arad, Romania

For addressing a session in **7 Days workshop on  
Research Methodology**, held from 24th - 30th July  
2023 in Shoolini University, Himachal Pradesh, India.

*Anitya Gupta*

**Mr. Anitya Gupta**  
(CHAIR, IEEE STUDENT BRANCH)

**Dr. Pankaj Mitta**  
SECRETARY GENERAL AUI

14. **Invited Speaker – Adaptive Fuzzy Systems** at the IEEE co-sponsored event of 20th International Bhurban Congress of Applied Sciences and Technology (IBCAST-2023), August 22-25, 2023, Bhurban, Murree Hills, Pakistan.

<https://www.ibcast.org.pk/>



**15. Resources Persons- *Computational Intelligence. Techniques and Practical Applications* for A TWO-WEEK Online International Workshop on EMERGING TRENDS IN ELECTRICAL ENGINEERING, Sponsored by Siddhartha Academy of General & Technical Education, organized by Department of Electrical & Electronics Engineering Prasad V. Potluri Siddhartha Institute of Technology (Autonomous), Kakinada, Kanuru, Vijayawada, INDIA, 14th August 2023 – 26th August,**  
[www.pvpsiddhartha.ac.in](http://www.pvpsiddhartha.ac.in)

| RESOURCE PERSONS  | WORKSHOP VISION  | ABOUT THE INSTITUTE  |
|---|--|--|
| <p><b>Dr. Valentina Emilia Balas,</b><br/> <i>Professor</i><br/> <i>Department of Automation and Applied Informatics</i><br/> <i>Head of the Department of International Relations</i><br/> <i>University of Arad, Romania.</i></p> <p><b>Dr. Marius M. Balas,</b><br/> <i>Habilitated Professor</i><br/> <i>University of Arad, Romania</i></p> <p><b>Dr. Ammanamanchi Venkata Jaya Sai Praneeth,</b><br/> <i>Senior Engineer</i><br/> <i>BorgWarner Inc., Hautcharage, Luxembourg.</i></p> <p><b>Dr. Vijay K. Sood,</b><br/> <i>Professor</i><br/> <i>Department of Electrical, Computer and Software Engineering</i><br/> <i>Ontario Tech University, Oshawa.</i></p> <p><b>Dr. K. Siva Kumar,</b><br/> <i>Professor</i><br/> <i>Indian Institute of Technology, Hyderabad</i></p> <p><b>Dr. Y. Pradeep Kumar,</b><br/> <i>Associate Professor</i><br/> <i>Indian Institute of Technology, Hyderabad.</i></p> <p><b>Dr. Naeem M. S. Hannon,</b><br/> <i>Professor</i><br/> <i>University Technology Mara, Malaysia</i></p> | <p><b>WORKSHOP VISION</b></p> <p>Prasad V. Potluri Siddhartha Institute of Technology firmly believes in upskilling the flagbearers of academics and research by regularly organizing workshops and faculty development programmes with international collaborations and experts.</p> <p><b>ABOUT WORKSHOP</b></p> <p>This programme has been designed to train and develop the faculties/research scholars to conduct the research across many areas within the field of electrical engineering, such as Electrical Vehicle, Various Control techniques incorporated with the industrial drives and the power system operation and control. In addition to that automation and artificial intelligence are also focused on this workshop.</p> <p><b>Contact us</b></p> <p><b>M. Hemanth Sai,</b><br/> <i>Assistant Professor</i><br/> <i>Prasad V Potluri Siddhartha Inst. of Tech.</i><br/> <a href="mailto:hemanthsai.madupu@pvpsiddhartha.ac.in">hemanthsai.madupu@pvpsiddhartha.ac.in</a><br/> <i>Mobile: +91 9052176170</i></p> <p><b>B. Bala Saibabu,</b><br/> <i>Assistant Professor</i><br/> <i>Prasad V Potluri Siddhartha Inst. of Tech.</i><br/> <a href="mailto:saibabu.dec31@pvpsiddhartha.ac.in">saibabu.dec31@pvpsiddhartha.ac.in</a><br/> <i>Mobile: +91 9966496635</i></p> | <p><b>ABOUT THE INSTITUTE</b></p> <p>Prasad V. Potluri Siddhartha Institute of Technology is one of the 18 Institutions sponsored by Siddhartha Academy of General and Technical Education. The institution is established in the year 1998 with a strong mission of quality technical education through continuous non-compromising interactive teaching. It is permanently affiliated to Jawaharlal Nehru Technological University, Kakinada. Andhra Pradesh, India. As a result of its concentrated efforts to attain quality, it is conferred Autonomous status in 2012. The college is certified by ISO 9001:2015, accredited by National Assessment and Accreditation Council with A+ grade and all eligible UG programs are accredited by NBA. The Railway Station, Bus Stand and Airport are at a distance of 10 KM each from college.</p> <p><b>ABOUT THE DEPARTMENT</b></p> <p>The department of Electrical and Electronics Engineering has been established in the year of 2001. The department is reaccredited by the National Board of Accreditation in 2019. The department consists of 2 professors, 4 Associate Professors, 16 Assistant Professors. The department organized various programs such as skill development, hands on sessions and technical workshops to strengthen the overall development of the students and faculty.</p> |



16. **Keynote Speaker - *Advanced Research in Soft Computing*** to The International Symposium on Design Studies and Intelligence Engineering (DSIE2023), October 28-29, Hangzhou, CHINA, <http://www.dsieconf.org/>

2023  
International Symposium on Design Studies  
and Intelligence Engineering

October 28th

Welcome Speaker



Lakshmi C. Jain  
Founder, KES International,



Chunhui Chai  
Zhejiang University, China



Xuguang Zhu  
Zhejiang Sci-Tech University,  
China

Keynote Speaker



Valentina E. Balas  
Aurel Vlaicu University of Arad,  
Romania



Ronghuan Pan  
Kookmin University, Korea



Kusrulni Mohd Salleh  
University Sains Malaysia, Malaysia



Kejun Zhang  
Zhejiang University, China



Xiaodong Wang  
Xiamen University of Technology,  
China



Baoxi Xing  
Zhejiang University of Technology,  
China

18. **Chief Guest and Keynote Speaker - Moore's Law in Higher Education** to the 1st International Conference on Artificial Intelligence, Advanced Materials, and Mechatronics Systems (AIAMMS-2023), November 3-4, 2023, Organised by: School of Engineering and Technology, JECRC University, Jaipur, INDIA.  
[https://conference.jecrcuniversity.edu.in/aiamms23/index.html?fbclid=IwAR3e8zq5yTZL3L5nURbSODcn3-pO4sVYEzoCCf4OwWyAQd\\_akONSdjtKPRY](https://conference.jecrcuniversity.edu.in/aiamms23/index.html?fbclid=IwAR3e8zq5yTZL3L5nURbSODcn3-pO4sVYEzoCCf4OwWyAQd_akONSdjtKPRY),

**JECRC UNIVERSITY**  
BUILD YOUR WORLD

**G20** **75**  
Azadi Ka Amrit Mahotsav

**AIAMMS**  
AIAMMS/1001

1<sup>st</sup> International Conference on  
**Artificial Intelligence, Advanced Materials, & Mechatronics Systems**

**AIAMMS-2023** 3-4 November 2023

Organized by  
School of Engineering & Technology, JECRC University, Jaipur

**CERTIFICATE OF APPRECIATION**

This certificate is awarded to **Prof. Valentina Emilia Balas**,  
**Department of Automation and Applied Informatics, Faculty of**  
**Engineering, Aurel Vlaicu University of Arad, Romania** For her  
contribution as a **Keynote Speaker** in "AIAMMS-2023".

**Prof. (Dr.) Ajay**  
Conference Chair & Convenor

**Prof. (Dr.) Naveen Hemrajani**  
General Chair

**Prof. Victor Gambhir**  
President, JECRC University

Springer | Routledge | WILEY | AIP Conference Proceedings | Scientific.Net | SEATRANS | Linget | IEEE Photonics Society



19. **Keynote Speaker - *Current and Future Trends in Soft Computing and Applications*** to The International Conference on Advances in Computation, Communication and Information Technology ICAICCIT - 2023, organized by Manav Rachna International Institute of Research and Studies (MRIIRS), November 23-24, 2023, Faridabad, INDIA,  
<https://aiccit2023.vercel.app/>,



20. **Guest of Honour - *Computing Paradigms and Practical Applications*** at 1st DMIHER(DU) International Conference on "Artificial Intelligence in Education and Industry 4.0" (IDICAIEI), 27th - 28th, November 2023, organized by Faculty of Engineering and Technology [FEAT] Datta Meghe Institute of Higher Education and Research (Deemed to be University), Sawangi (Meghe), Wardha, Maharashtra, INDIA. *Soft*  
<https://dmiher.edu.in/IICAIEI/>




**IEEE Conference ID - 58380**

▼▲▼ INVITATION ▲▼▼

Your gracious presence is solicited at the Inauguration Ceremony of

**1<sup>st</sup> DMIHER(DU) International Conference on**  
**"ARTIFICIAL INTELLIGENCE IN**  
**EDUCATION & INDUSTRY 4.0"**  
**(IDICAIEI 2023)**

**MONDAY**  
**NOVEMBER 27, 2023**

**AT 9:00 AM**

Venue: Datta Meghe Auditorium, DMIHER (DU)  
 Sawangi (Meghe), Wardha

|  |  |
|--|--|
| <p style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;">Chief Guest</p> <p><b>Hon. Dr. Surendra Pal</b><br/>       Ex. Eminent Scientist ISRO and Elected<br/>       for IEEE AP-S ADCOM</p>  | <p style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;">Presided Over by</p> <p><b>Hon. Dr. Vedprakash Mishra</b><br/>       Pro-Chancellor &amp;<br/>       Chief Advisor, DMIHER (DU)</p>   |
| <p><b>Hon. Dr. Omprakash Kakde</b><br/>       Director, IIT Nagpur</p> <p><b>Hon. Dr. P. M. Padole</b><br/>       Director, VNIT Nagpur</p>  | <p style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;">Guests of Honour</p> <div style="border: 2px solid red; padding: 5px; margin: 5px auto; width: 80%;"> <p><b>Hon. Dr. Valentina Emilia Balas</b><br/>         Department of Automation and Applied<br/>         Informatics Aurel Vlaicu University of Arad.<br/>         IEEE Technical Member IDICAIEI</p> </div> <p><b>Hon. Dr. Anil Kumar Saini</b><br/>       President, IETE HQ, New Delhi</p> <p><b>Hon. Dr. Anand S. Gharpure</b><br/>       Chairman, IEEE Bombay Section</p> |
| <p style="border-bottom: 1px solid black; margin-bottom: 5px;">In August presence of</p>   |  |
| <p><b>Hon. Shri. Sagar Meghe</b><br/>       Principal Advisor, DMIHER (DU)</p> <p><b>Hon. Dr. Sweta Kale Pisulkar</b><br/>       Registrar DMIHER (DU)</p> <p><b>Hon. Dr. Tripti Waghmare</b><br/>       Executive Director, (Academic Excellence),<br/>       DMIHER (DU)</p> | <p><b>Hon. Dr. Lalitbushan Waghmare</b><br/>       Vice-Chancellor DMIHER (DU)</p> <p><b>Hon. Dr. Rajiv Borle</b><br/>       Director General DMIHER (DU)</p> <p><b>Hon. Dr. Zahiruddin Quazi</b><br/>       Executive Director (R&amp;D), DMIHER (DU)</p> <p><b>Dr Abhyuday Meghe</b><br/>       OSD, AVBRH, Wardha</p>   |
| <p style="border-bottom: 1px solid black; margin-bottom: 5px;">RSVP</p>  |  |
| <p><b>Prof. (Dr.) K.T.V.Reddy</b><br/>       Conference Chair, IDICAIEI</p> <p style="font-size: small;">Organizing Secretary, IDICAIEI</p>  |  |
| <p><b>Dr. Utkarsha Pacharaney</b><br/>       9820791995</p> <p><b>Mr. Chetan Puri</b><br/>       9975281500</p>  | <p><b>Dr. Prateek Verma</b><br/>       7417796557</p> <p><b>Mr. Palash Gourshettiwar</b><br/>       9420063262</p>   |
| <p><b>Mr. Gaurav Shrivastav</b><br/>       8527859577</p> <p><b>Mr. Amit Gudadhe</b><br/>       9423369018</p>   | <p><b>Dr. Swapnil Gundewar</b><br/>       9834293650</p> <p><b>Dr. Rajendra Rewatkar</b><br/>       9923399409</p>   |

21. **Keynote Speaker - Recent Trends in Control Systems**, at the "10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics, and Computer Engineering" (UPCON-2023), December 1st to 3rd, 2023, Amity University Greater Noida, INDIA,  
<https://amity.edu/upcon2023/>



10<sup>th</sup> IEEE UP SECTION INTERNATIONAL CONFERENCE

ON

**ELECTRICAL, ELECTRONICS AND COMPUTER  
ENGINEERING (UPCON-2023)**

1<sup>st</sup> – 3<sup>rd</sup> December, 2023

*Certificate of Acknowledgement*

We acknowledge the participation of **Dr. Valentina Emilia Balas** from **Aurel Vlaicu, University of Arad, Romania** as **Keynote Speaker** during 10th IEEE UP Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2023) held during 1st - 3rd December, 2023.

Handwritten signature of Prof. (Dr.) Ajay Rana in blue ink.

**Prof. (Dr.) Ajay Rana**  
General Chair, UPCON-2023  
Director General, AUUP, Greater Noida

Handwritten signature of Dr. Satish K. Singh in blue ink.

**Dr. Satish K. Singh**  
General Chair, UPCON-2023  
Chair, IEEE UP Section



22. **Keynote Speaker - Empowering Industrial Control: Soft Computing Paradigms and Practical Applications** to the 14th Conference on Data Analysis Methods for Software Systems, November 30 - December 2, 2023, Druskininkai, LITHUANIA, [https://www.mii.lt/damss/damss\\_2023\\_final\\_program.pdf](https://www.mii.lt/damss/damss_2023_final_program.pdf) (mii.lt)



## Event Schedule Friday, December 1

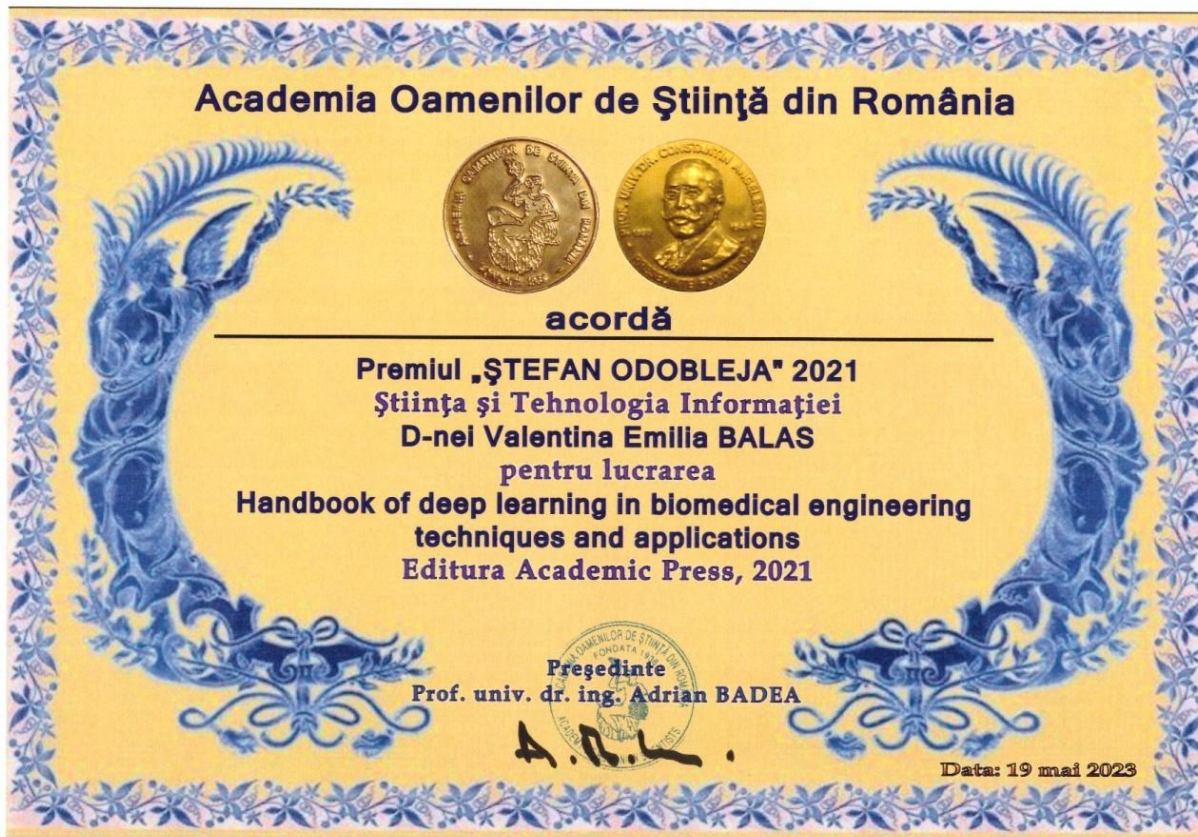
|  |                                 |
|--|---------------------------------|
| <b>9<sup>00</sup>–10<sup>00</sup></b>  | <b>Plenary Session (Room A)</b> |
| <p><i>Alfred Bruckstein</i> “An Overview of Holographic Data Representations” (Technion Israel Institute of Technology, Israel)</p> <p><i>Valentina E. Balas</i> “Empowering Industrial Control: Soft Computing Paradigms and Practical Applications” (Aurel Vlaicu University of Arad, Romania)</p>   |                                 |
| <b>10<sup>00</sup>–11<sup>00</sup></b>   | <b>Oral Session (Room A)</b>    |
| <ol style="list-style-type: none"> <li>1. <i>Stefano Bonnini</i> “Nonparametric Tests on the Adequacy of Models for Count Data” (University of Ferrara, Italy)</li> <li>2. <i>Jurgita Markevičiūtė, Zenonas Norkus</i> “Regional GDP Disparities in the Interwar Lithuania” (Vilnius University)</li> <li>3. <i>Rokas Puišys, Jonas Šiaulys</i> “Survival With Random Effect” (Vilnius University)</li> </ol>  |                                 |
| <b>10<sup>00</sup>–11<sup>00</sup></b>   | <b>Oral Session (Room C)</b>    |
| <ol style="list-style-type: none"> <li>1. <i>Olga Karelkina</i> “Loop Decomposition-Based Integer Programming Model for RNA Secondary Structure Prediction” (Systems Research Institute of the Polish Academy of Sciences, Poland)</li> <li>2. <i>Marco Marcozzi, Ernestas Filatovas, Remigijus Paulavičius</i> “Cluster-Based Classification of Consensus Protocols for Decentralized Ledger Technology” (Vilnius University)</li> <li>3. <i>Jan W. Owsiniński</i> “Back to the Roots: on the Use and Principles of Clustering under Various Circumstances” (Systems Research Institute of the Polish Academy of Sciences, Poland)</li> </ol> |                                 |

## PREMII

2019 - *Premiul Academiei Romane: Tudor Tanasescu, Valentina Emilia Balas, (in colectiv)*



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







Arad, 24.09.2024

Prof.univ.habil.dr.ing. Valentina E. Balas