

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **VALENTINA EMILIA BALAS**
Address **CALEA RADNEI 126, 310269, ARAD, ROMANIA**
Telephone
Fax
E-mail balas@drbalas.ro

Nationality
Date of birth

TOTAL YEARS OF EXPERIENCE

WORK EXPERIENCE

1.
 - Dates (from – to) 1993-present
 - Name and address of employer Aurel Vlaicu University of Arad, B-dul Revolutiei 77, 310130 Arad, Romania
 - Type of business or sector Education
 - Occupation or position held Assistant Professor, Lecturer, Associate Professor, Professor
 - Main activities and responsibilities Teaching activities undergraduate and graduate students: Courses on Soft Computing, System Theory, Intelligent Systems, Virtual Instrumentation, Electronics, Measurements, sensors and transducers, Standards in Automation, Analogical and Digital Circuits, Biomedical engineering, Automatics, Discrete Events Systems.
Scientific Secretary of the Faculty of Engineering (2004-2008)
Member in the Professorial Council of Faculty (2000 – 2016)
Member in the Senate of University (2000-2008), (2012 - 2016)
President of Ethical Commission in university from 2016 to 2018
Director of the Department of International Relations, Programs and Projects from 2017
Habilitation to supervise PhD students in the field of Systems Engineering from 2018
2.
 - Dates (from – to) 1984-1993
 - Name and address of employer Scientific Research Institute for Railway Cars of Arad, Romania
 - Type of business or sector R&D
 - Occupation or position held Engineer at the Design and Research Department
Secretary of the Technical Committee No. 144 in Standardization for Rolling Stock in Romania
Chief of the Technical Department in the Institute
 - Main activities and responsibilities Design and Research
3.
 - Dates (from – to) 1980-1984
 - Name and address of employer Airport Oradea, Romania

- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

Aerial Transportation
 Engineer - Adjunct of the Chief of the Air Navigation Protection Service
 Metrology coordinator
 Maintenance, verification and calibration of the air navigation equipment

EDUCATION AND TRAINING

- 1.
- Dates (from – to)
 - Name and type of organization providing education and training
 - Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

1995-2003
 Polytechnic University of Timisoara
 Education
 Electronic Engineering and Telecommunications
 Dr.
 Cum Laude

- 2.
- Dates (from – to)
 - Name and type of organization providing education and training
 - Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

1975-1980
 Polytechnic University of Timisoara
 Education
 Electronic Engineering and Telecommunications
 Diplomat Engineer
 License

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

Romanian

OTHER LANGUAGES

- 1.
- Reading skills
 - Writing skills
 - Verbal skills

English
 Excellent
 Excellent
 Excellent

- 2.
- Reading skills
 - Writing skills
 - Verbal skills

FRANCH
 Excellent
 Excellent
 Excellent

SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

Chess
 Chess player – I category
 Arbiter – II category

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination and administration of

Coordinator for research projects in the institute.
 Organizing the Control Engineering and Industrial Software Branch of the university and the afferent laboratories.

people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Co-organizing the Summer School "SOFT COMPUTING" 2003, 2004, 2005 and 2006 Arad, General Co-Chair of the International Workshop IEEE SOFA 2005, IEEE SOFA 2007, IEEE SOFA 2009, IEEE SOFA 2010, IEEE SOFA 2012, SOFA 2014, SOFA 2016, SOFA 2018 and SOFA 2020.

President of General Association of Engineering from Romania (AGIR), Arad branch.

President of Association of Automation and Instrumentation from Romania (AAIR), Arad branch.

President of Romanian Society of Control Engineering and Technical Informatics (SRAIT), Arad branch.

Founding member of Artificial Intelligence Romanian Association (ARIA).

Vice-president of IFSA (International Fuzzy Systems Association) – 2013-2015.

Joint Secretary of Governing Council to Forum for Interdisciplinary Mathematics (FIM), INDIA, (2013-2016).

TECHNICAL SKILLS AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

WINDOWS XP, MICROSOFT OFFICE, INTERNET, EXCEL, C, MATLAB, MATCAD, LABVIEW

Technological background acquired in the tool machines and railway coaches fields;

Specific hardware (electronic equipment, sensors, etc.) and software skills linked to automatic control and measurements.

Papers and books:

- 12 books as author/co-author
- 25 book chapters and more than 60 edited books in Springer, Elsevier, CRC.
- More than 200 articles and papers in ISI data base
- More than 350 scientific papers published in conference volumes.
- More than 60 Invited Lectures around the world: India, Japan, China, Taiwan, Singapore, USA, Hungary, Morocco, Pakistan, Iran, Azerbaijan, Bulgaria, Romania
- [Scopus Author ID: 9279071000](https://orcid.org/0000-0003-0885-1283) – 331 papers H index = 20
- Publon – 234 publications – H index = 17
<https://publons.com/researcher/486089/valentina-emilia-balas/>
- ORCID – <http://orcid.org/0000-0003-0885-1283>
- Google Scholar - <https://scholar.google.com/citations?user=XaktX0wAAAAJ&hl=ro&oi=ao>
- More that 100 projects, grants and international travel grants

ARTISTIC SKILLS AND COMPETENCES

Music, writing, design, etc.

[Describe these competences and indicate where they were acquired.]

OTHER SKILLS AND COMPETENCES

Competences not mentioned above.

Evaluator for „Nicolae Titulescu” grants.

Evaluator ARACIS - The Romanian Agency for Quality Assurance in Higher Education

Evaluator CNCSIS - The National Research Council

Expert evaluator for projects for Georgia National Science Foundation

Expert evaluator for projects PNCDI – II (2008, 2009)

Evaluator EQANIE European Quality Assurance Network for Informatics Education from 2009

Member of Multidisciplinary Development Association– Timisoara, Romania from 2002

Member of IEEE CIS – Computational Intelligence Society from 2003

Member of WCI – Woman in Computational Intelligence from 2006

Member of AAIR - Control and Instrumentation Association of Romania from 2005

Member AGIR - The General Association of Engineers from 2005

IEEE Senior Member from 2007

Member EUSFLAT European Society for Fuzzy Logic and Technology from 2007 and member in the Board of EUSFLAT from 2011 – responsible with recruiting.

Member in the Technical Committee Emergent Technologies from IEEE CIS from 2009

Member in the Technical Committee Fuzzy Systems from IEEE CIS from 2011

Member of Technical Committee – Soft Computing to IEEE SMC from 2009

Member ACM - Association for Computing Machinery from 2008

Member IEEE IES (Industrial Electronics) si SMC (Systems Man and Cybernetics) from 2009

Member of IAENG - International Association of Engineers from 2009

Member of the Academic Community to International Congress for Global Science and Technology – ICGST, Egypt, 2009

Member of International Society on Multiple Criteria Decision Making MCDM from 2009

Member of the Academy of Sciences from New York from 2009

Member of SIAM Society for Industrial and Applied Mathematics from 2010
Member of Research Gate Scientific Network, from 2010
Elected Joint Secretary of the Governing Council of Forum for Interdisciplinary Mathematics (FIM), - A Multidisciplinary Academic Body, India, 2013-2016
Elected Vice president (Awards) of the International Fuzzy Systems Association Council – IFSA, 2013-2015, USA
Member of AIAA - American Institute of Aeronautics and Astronautics - ID number 490278, Region VII, from October 2013, member in Intelligent Systems Technical Committee.

DRIVING LICENCE(S)

B category from 1974

ADDITIONAL INFORMATION

1. PROF.DR.ING. MIRCEA CIUGUDEAN, POLITEHNICA UNIVERSITY OF TIMISOARA, ROMANIA
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2. Prof. Michio Sugeno,
Tokyo Institute of Technology, Japonia

E-mail: michio.sugeno@gmail.com

3. Prof. Lakhmi C. Jain, Professor of Knowledge-Based Engineering,
Founding Director of the KES Centre,
University of Technology Sydney, Australia

E-mail: jainlakhmi@gmail.com

ANNEX

The list with scientifically papers, projects and other activities