EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**VALENTINA EMILIA BALAS**
Address	**CALEA RADNEI 126, 310269, ARAD, ROMANIA**
Telephone	**0040-740059151; 0040-257-219101**
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E-mail	**balas@drbalas.ro , valentina.balas@uav.ro**

Nationality	Romanian
Date of birth	24 APRIL 1956, ARAD

TOTAL YEARS OF EXPERIENCE

AUGUST 1980 -

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, Intelligent Systems, Virtual Instrumentation and Data Aquisition, System Theory, Electronics, Measurements, sensors and transducers, Standards in Automation, Analogical and Digital Circuits, Biomedical engineering, Automatics, Discrete Events Systems, Artificial Intelligence

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 the Ethical Commission in Aurel Vlaicu University (2016-)

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	Aerial Transportation

• Occupation or position held	Engineer - Adjunct of the Chief of the Air Navigation Protection Service Metrology coordinator
• Main activities and responsibilities	Maintenance, verification and calibration of the air navigation equipment

EDUCATION AND TRAINING

1.

• Dates (from – to)	1995-2003
• Name and type of organization providing education and training	Polytechnic University of Timisoara Education
• Principal subjects/occupational skills covered	Electronic Engineering and Telecommunications
• Title of qualification awarded	Dr.
• Level in national classification (if appropriate)	Cum Laude

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• Dates (from – to)	1975-1980
• Name and type of organization providing education and training	Polytechnic University of Timisoara Education
• Principal subjects/occupational skills covered	Electronic Engineering and Telecommunications
• Title of qualification awarded	Diplomat Engineer
• Level in national classification (if appropriate)	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.

	English
• Reading skills	Excellent
• Writing skills	Excellent
• Verbal skills	Excellent

2.

	FRANCH
• Reading skills	Excellent
• Writing skills	Excellent
• Verbal skills	Excellent

	Chess
SOCIAL SKILLS AND COMPETENCES	Chess player – I category Arbiter – II category

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.

ORGANISATIONAL SKILLS **AND COMPETENCES** *Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*	Coordinator for research projects in the institute. Organizing the Control Engineering and Industrial Software Branch of the university and the afferent laboratories. 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 and SOFA 2016 Vice president of General Association of Engineering from Romania, Arad branch. President of Association of Automation and Instrumentation from Romania, Arad branch. President of Romanian Society of Control Engineering and Technical Informatics (SRAIT), Arad branch Founding member of Artificial Intelligence Romanian Association 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: - 4 books - 22 book chapters and 7 edited books in Springer - More than 200 scientifical papers published in journals and conference volumes. - 35 Invited Lectures around the world: Japonia, China, India, Taiwan, Singapore, USA, Ungaria, Pakistan, Romania - Scopus Author ID: 9279071000 – 131 papers Hindex=8 - ISI Thomosn – 84 papers – Hindex=4 - Researcher ID - F-4525-010 - ORCID –http://orcid.org/0000-0003-0885-1283 - 114 papers - More that 90 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– Timişoara, 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 Vicepresident (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 Sistems Technical Committee.
DRIVING LICENCE(S)	B category from 1974
ADDITIONAL INFORMATION	1. PROF.DR.ING. MIRCEA CIUGUDEAN, POLITECHNICA UNIVERSITY OF TIMISOARA, ROMANIA TEL. 0040-722486853 E-MAIL: MACIUGUDEAN@YAHOO.COM 2. Prof. Lotfi A. Zadeh , Berkeley University of California, USA E-mail: zadeh@eecs.berkeley.edu 3. Prof. Lakhmi C. Jain, Professor of Knowledge-Based Engineering, Founding Director of the KES Centre, School of Electrical and Information Engineering, University of South Australia E-mail: Lakhmi.Jain@unisa.edu.au
ANNEX	The list with scientifically papers, projects and other activities

ANNEX

Works elaborated and / or published:

Book Chapters:

1. **V. E. Balas**, M. M. Balas. *Traffic Management by Constant Time to Collision*, Ignac Lovrek, Robert J. Howlett and Lakhmi C. Jain (Eds.), Book: *Knowledge-Based Intelligent Information and Engineering Systems*, 12th International Conference, KES 2008, Zagreb, Croatia, September 3-5, 2008, Proceedings, Part III, <u>LNAI 5179</u>/2008, pp. 658–663, 2008, © Springer-Verlag Berlin Heidelberg 2008, ISBN 978-3-540-85566-8, DOI 10.1007/978-3-540-85567-5_81, http://www.springerlink.com/content/54066776m5814356/

2. **V.E. Balas**, M. M. Balas. *A Survey on the Constant Time to Collision Techniques,* Lotfi A. Zadeh, Dan Tufis, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, **2008** , pag. 23-31.

3. M. M. Balas, **V.E. Balas**. *World Knowledge for Controllers by Fuzzy-Interpolative Systems*, Lotfi A. Zadeh, Dan Tufis, Florin Gheorghe Filip, Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence , Editing House of Romanian Academy, ISBN:978-973-27-1678-6, **2008**, pag.11-21.

4. M. M. Balas, **Valentina E. Balas** – *Postmodernism and Control Engineering,* Rudolf Seising (editor): Views on Fuzzy Sets and Systems from Different Perspective. Philosophy, Logic; Criticism and Applications, Vol. 243, ISBN 978-3-540-93801-9, Cap 18, pag. 377-390, http://www.springer.com/engineering/book/978-3-540-93801-9

5. M. M. Balas, **Valentina E. Balas** – *The Fuzzy Interpolative Control for Passive Greenhouses,* H.-N. Teodorescu, J. Watada, and L.C. Jain (Eds.): Intelligent Systems and Technologies, SCI 217, Vol. 217, ISBN978-3-642-01884-8, pp. 219–231, 2009, http://www.springer.com/engineering/book/978-3-642-01884-8

6. Marius M. Balas, **Valentina E. Balas**, *Adaptive Rule-Based Reasoning by Qualitative Analysis*, 13 International Conference on Information Processing and Management of Uncertainty, IPMU 2010, Dortmund, Germany, June 28- July 2, Proceedings, Part I, CCIS 80, pp. 553-560, E. Hullermeier, R. Kruse, F. Hoffman (Eds.), Springer-Verlag, Berlin –Heidelberg 2010, ISSN 1865-0929, ISBN-10 3-642-14054-8 Springer Berlin Heidelberg, NewYork, http://www.springerlink.com/content/u50w1n1652815147/

7. Nicolae Popescu-Bodorin, **Valentina E. Balas**, *Learning Iris Biometric Digital Identities for Secure Authentication. A Neural-Evolutionary Perspective Pioneering Intelligent Iris Identification*, Springer, Title of the book: Recent Advances in Intelligent Engineering Systems, Volume Editor(s): J. Fodor, R. Klempous and C.P. Suárez Araujo, pp. 405-430. Springer Verlag, 2011.

8. **Valentina E. Balas**, Iulia Motoc, Alina Barbulescu, *Combined Haar-Hilbert and Log-Gabor Based Iris Encoders*, Springer, Title of the book: *New concepts and applications in Soft Computing,* Volume, Studies in Computational Intelligence, Vol. 417, Balas, Valentina Emilia; Fodor, János; Varkonyi-Koczy, Annamaria (Eds.), 2012, XII, ISBN 978-3-642-28958-3, 278 pag, pag 1-26, http://link.springer.com/chapter/10.1007%2F978-3-642-28959-0_1#page-1

9. **Valentina E. Balas**, Marius M. Balas, *Fuzzy Systems towards Field Applications,*Rudolf Seising, Enric Trillas, Claudio Moraga, and Settimo Termini (eds.), *On Fuzziness. A Homage to Lotfi A. Zadeh*, Springer Verlag, Berlin, New York, 2012, Volume 216, Chapter 25, pp. 189-195.

10. Ahmad Taher Azar, Shaimaa A. El-Said, **Valentina E. Balas** and Teodora Olariu, *Linguistic Hedges Fuzzy Feature Selection for Differential Diagnosis of Erythemato-Squamous Diseases*, in Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 5th International Workshop on Soft Computing Applications – **SOFA 2012** August 22-24, 2012, Szeged, Hungary, Guest Editors: Valentina E. Balas, Janos Fodor, Annamaria Varkonyi-Koczy, Jozsef Dombi and Lakhmi C. Jain, Springer, ISBN 978-3-642-33941-7, pp. 487–500, (ARC Cat. C**, SCOPUS,** ISI Proceedings).
http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-33940-0

11. Nicolaie Popescu-Bodorin, **Valentina E. Balas** and Iulia Maria Motoc, *The Biometric Menagerie – A Fuzzy and Inconsistent Concept,* in Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 5th International Workshop on Soft Computing Applications – **SOFA 2012** August 22-24, 2012,

Szeged, Hungary, Guest Editors: Valentina E. Balas, Janos Fodor, Annamaria Varkonyi-Koczy, Jozsef Dombi and Lakhmi C. Jain, Springer, ISBN 978-3-642-33941-7, pp. 27–43, (ARC Cat. C**, SCOPUS,** ISI Proceedings), http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-33940-0

12. Tsung-Chih Lin, Wei-Nan Liao and **Valentina E. Balas**, *Memristor-Based Phase-Lead Controller Circuit Design*, in Advances in Intelligent Systems and Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 5th International Workshop on Soft Computing Applications – **SOFA 2012** August 22-24, 2012, Szeged, Hungary, Guest Editors: Valentina E. Balas, Janos Fodor, Annamaria Varkonyi-Koczy, Jozsef Dombi and Lakhmi C. Jain, Springer, ISBN 978-3-642-33941-7, pp. 309–318, (ARC Cat. C**, SCOPUS,** ISI Proceedings). http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-33940-0

13. Ahmad Taher Azar and **Valentina E. Balas**, *Classification and Detection of Diabetic Retinopathy,* Advances in Intelligent analysis of Medical Data and Decision Support Systems, Studies in Computational Intelligence, Springer, Volume 473, 2013, Editors: Roumen Kountchev and Barna Iantovics, ISBN: 978-3-319-00028-2 (Print) 978-3-319-00029-9 (Online), pp.135-145, From 2nd International Workshop on Next Generation Medical Decision Support Systems 2012 MedDecSup'2012, Sofia, Bulgaria, 10-11 July.

14. Ahmed T. Azar, **Valentina E. Bălaş**, Teodora Olariu, *Classification of EEG-Based Brain-Computer Interfaces*, Springer, Advanced Intelligent Computational Technologies and Decision Support Systems, Barna Iantovics, Roumen Kountchev (Eds.) in Studies in Computational Intelligence, ISBN: 978-3-319-00466-2 (Print) 978-3-319-00467-9, Volume 486, 2014, pag. 97-106.

15. **V. E. Balas**, C. M. Noaica, J.R. Popa, C. Munteanu, V. C. Stroescu, *Establishing PNN-Based Iris Code to Identity Fuzzy Membership for Consistent Enrollment*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 2, pag. 805-818.

16. N. Popescu-Bodorin, **V. E. Balas**, *Best Practices in Reporting Iris Recognition Results*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 2, pag. 819-828.

17. D. Balas Timar, **V. E. Balas**, R. Lile, R. Sinha, *Fuzzy scoring algorithm and long term job performance,* In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 2, pag. 925-938.

18. D. Jude Hemanth, **Valentina E. Balas** and J. Anitha, *Hybrid Neuro-Fuzzy Approaches for Abnormality Detection in Retinal Images*, In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 1, pag. 295-306.

19. S. Senthil Kumar, H. Hannah Inbarani, Ahmad Taher Azar, Hala S. Own, **Valentina Emilia Balas**, Teodora Olariu, *Optimistic Multi-Granulation Rough set based Classification for Neonatal jaundice,* In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 1, pag. 307-318.

20. Ahmad Taher Azar, Hanaa S. Ali, **Valentina E. Balas**, Teodora Olariu, Rujita Ciurea, *Diagnosis Boosted Decision Trees for Vertebral Column Disease Diagnosis,* In volume Advances in Intelligent and Soft Computing, Series Ed.: Kacprzyk, Janusz, Proceedings of the 6th International Workshop on Soft Computing Applications SOFA 2014, July 22-24, 2014, Timisoara, Romania, Guest Editors: Valentina E. Balas, Lakhmi C. Jain, Branko Kovačević, Springer Verlag, 2016, AISC, Vol. 1, pag. 319-334.

21. Mousumi Kumar, **Valentina E. Balas,** Bijay Baran Pal, *Using Fuzzy Goal Programming with Penalty Functions for Solving EEPGD Problem via Genetic Algorithm*, IGI Global, Handbook of Research on Natural

[Computing for Optimization Problems](Chapter 34, pag. 847-869, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch034

22. Debjani Chakraborti, **Valentina E. Balas,** Bijay Baran Pal, *Genetic Algorithm for FGP Model of a Multiobjective Bilevel Programming Problem in Uncertain Environment*, IGI Global, [Handbook of Research on Natural Computing for Optimization Problems](Chapter 35, pag. 870-888, ISBN 9781522500582, DOI: 10.4018/978-1-5225-0058-2.ch035

23. Mahdieh Raesi, Ali Asghar Rahmani Hosseinabadi, and **Valentina Emilia Balas**, *Robust Object Recognition Based on Contours Using Line Detection and Zernike Moment* , Volume 'Computer Vision in Advanced Control Systems 3', Book Series: 'Intelligent Systems Reference Library', Springer-Verlag, Germany, http://www.springer.com/series/8578, Springer-Verlag, Germany, (Accepted)

24. S. Chakraborty, N. Dey, S. Samanta, A.S. Ashour, **V.E. Balas**, *Firefly algorithm for optimized nonrigid demons registration*, Bio-Inspired Computation and Applications in Image Processing. http://dx.doi.org/10.1016/B978-0-12-804536-7.00010-7, Elsevier, 2017, (Accepted)

25. Rekik Ali, Gabsi Mounir , **Valentina Emilia Balas**, Masmoudi Nissen, *Fuzzy Evaluation Method for Project Profitability*, Volume 512 of the series Advances in Intelligent Systems and Computing, Selected Papers from the International Conference on Computer Science and Information Technologies, CSIT 2016, September 6-10 Lviv, Ukraine, pp 17-27, Springer 2016, http://link.springer.com/chapter/10.1007/978-3-319-45991-2_2

Journals

1.   M. Bălaş, **V. Balas**, *Dispozitiv de optimizare a funcţionării iluminatului în vagoanele de călători.* "Revista CFR" nr. 5/1993, pag. 20 – 22.

2. M. Bălaş, **V. Balas**, C. Alexandrescu, *Some Remarks on the Fuzzy - PID Controllers.* Buletinul Ştiinţific al Universităţii "Politehnica " din Timişoara, Proceedings of the Symposium on Electronics and Telecommunications "Etc.'98', Vol II, Timişoara, sept. 17-18 1998, pag. 277-282, ISSN 1224-6034,

3. **V. Balas**, *The Computer Model of an Intelligent Speed Sensor for Railway Coaches.* A 5-a Conferinţă internaţională de Ingineria Sistemelor Moderne în Electrotehnică, Universitatea din Oradea, Fascicola Electrotehnică, Analele Universităţii din Oradea, Fascicola electrotehnica, Sect. C, 28-29 mai 1999, Băile Felix, pag. 33-37, ISSN 1223-2106,

4. M. Balas, **V. Balas**, T. L., Dragomir, [A preamble on the identification of the operating regimes of the controllers by the help of the phase trajectory](http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no_volume=87) . Electronic BUSEFAL ISSN 0296-3698. Busefal #87, LAMII / CESALP – Universite de Savoie, Annecy, France, Iunie 2002   Format electronic. http://www.listic.univ-savoie.fr/modules.php?name=Busefal&func=AfficherVolume&no_volume=87

5. **V. Balas**, E. Rovenţa. T. Spircu, *Weighted Fusion of Changes of Belief.* CONTI 2004, The 6-th International Conference on Technical Informatics „Politehnica" University of Timisoara, Faculty of Automation and Computers, 27-28 May 2004, Scientific Bulletin of „Politehnica" University of Timişoara, Romania, Transactions on Automatic Control and Computer Science, Vol.49(63), 2004, ISSN 1224-600X, pag. 105 – 110, Editura Politehnica,

6. C. Muscă, **V. Bălaş**, *Energy Saving by Euristic Control Rules in Greenhouses.* Simpozionul cu participare internaţională: *"Cercetarea ştiinţifică o punte spre integrarea europeană"*, Arad, 3-4 noiembrie 2004, Analele Universităţii "Aurel Vlaicu" din Arad, Seria Textile, Fascicola: tehnologii textile, pag. 548 – 555, ISSN 1582-3431,

7. **V. Balas**, C. Barna, S. Balas, *The Estimation of the Vegetation Stage of Greenhouse Plants by Fusioned Sensors of Images and CO_2.* Simpozionul cu participare internaţională: *"Cercetarea ştiinţifică o punte spre integrarea europeană"*, Arad, 3-4 noiembrie 2004, Analele Universităţii "Aurel Vlaicu" din Arad, Seria Textile, Fascicola: tehnologii textile, pag. 530 – 535, ISSN 1532-3431,

8.   **V. Balas**, M. Balas, *Consideraţii asupra modelelor interne.* "Aurel Vlaicu" University of Arad, Faculty of Engineering, Scientific and Technical Bulletin, Series: Electrotechnics, Electronics, Automatic Control and Computer Science, Vol. I, No.1, 2004, pag. 19-34. ISSN 1584-9198.

9. **V. Balas**, *Railway vehicles' diagnosis by internal models.* Analele Universităţii din Oradea, Fascicula Electrotehnică, Secţiunea Ştiinţa Calculatoarelor şi Sisteme de Control, Proceedings of the 8th International Conference on Engineering of Modern Electric Systems EMES '05, 26 - 28 May, 2005, Oradea, pag. 18-23, ISSN

1223-2106,

10. M. Bălaş, M. Ciugudean, **V. Balas**, *Adaptive Fuzzy Interpolative Controllers and Applications*. Revista de Inventica, Nr. 48, Vol IX, An XV, 2005, Romanian Journal for Creativity in Engineering and Technology – Research and Education Reports, Special Issue, Guest Editors: Horia-Nicolai Teodorescu, Seizaburo Arita, Zvetlana Cojocaru, Romanian Inventors Society, Iasi, ISSN 1210-3084, pag. 13-23, http://www.inventica.org.ro/revista/reviste/r48/Abstract%2048.pdf

11. M.M. Balas, **V.E. Balas**, D. V. Balas-Timar, L. R. Szantho, *The Fuzzy-Interpolative Methodology in Soft Computing.* WSEAS Transactions on Information Science and Applications, Issue 9, Volume 3, September 2006, ISSN 1790-0832, pg. 1625-1631,

12. I. Filip, O. Prostean, I. Szeidert, **V. Balas**, G. Prostean, *Comparative Study Regarding an Adaptive Fuzzy Controller and a Self-Tuning Controller with Application to the Excitation Control of a Synchronous Generator.* WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, pag. 1587-1994,

13. **V. E. Balas**, M. M. Balas, *Observing Control Systems by Phase Trajectories of the Error.* WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, http:/www.wseas.org, pag. 1717-1722, http://www.worldses.org/journals/systems/systems-july2006.doc,

14. M. M. Balas , **V. E. Balas**, S. V. Musca, C. Musca, *Ecological Reconstruction Using Energetic Passive Greenhouses.* RSEE, 6th International Conference on Renewable Sources and Environmental Electro-Technologies, 8 - 10 June 2006*, Oradea , Romania,* Computer Science And Control Systems Session pag. 265-270, Analele Universitatii din Oradea/Fascicula ELECTROTEHNICA, Sectiunea: Stiinta Calculatoarelor si Sisteme de Control, ,http://electroinf.uoradea.ro/facultate/fascicola_ssc.html,

15. A. Stoica, A. Tigan, A. Rugea, K. Drienovski, **V. Balas**, *Development od a Computerized System of Irrigation for Helping Crops Grow*, Scientific and Technical Bulletin, Series: Mechanical Engineering, Vol. 3, No. 2, 2007, pag. 52-61, ISSN 1584-918X,
 http://uavsb.xhost.ro/papers/currentissue.php,

16. **V.E. Balas**, E. Roventa, T. Spircu, *Fusion devices and changes of belief*, Journal of Intelligent and Fuzzy Systems, Volume 19, Number 1 / 2008, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 9-18,
http://iospress.metapress.com/content/q0h6213h3k20/?sortorder=asc&v=condensed
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Bimonthly, ISSN: 1064-1246, IOS PRESS, NIEUWE HEMWEG 6B, AMSTERDAM, NETHERLANDS, 1013 BG, **- ISI – 0,486**
17. **V.E. Balas**, J. Fodor, A. Varkonyi-Koczy, *Guest-editorial,* Journal of Intelligent and Fuzzy Systems, Volume 19, Number 1 / 2008, Special Issue on Soft Computing and Applications, IOS Press, ISSN 1064-1246 (Print) 1875-8967 (Online), pp. 1-2, http://iospress.metapress.com/content/q0h6213h3k20/

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Bimonthly, ISSN: 1064-1246, IOS PRESS, NIEUWE HEMWEG 6B, AMSTERDAM, NETHERLANDS, 1013 BG

18. Chee Peng Lim, Lakhmi C. Jain, Ngoc Thanh Nguyen, **Valentina E. Balas***, Guest-editorial: Special issue on advances in Computational intelligence paradigms and applications,* Fuzzy Optimization and Decision Making, Volume 7, Number 3 / September, 2008, pag 215-217,
http://www.springerlink.com/content/t07557618474/?p=30d98a1880b64519b8727735c6f5c68e&pi=0,
19. **V. E. Balas**, M. M. Balas. *Constant Time to Collision Platoons*, Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 33-39, 15-17 Mai 2008 Oradea, Romania, http://www.journal.univagora.ro/?page=supp_isue2008

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95. Marius M. Balas, **Valentina E. Balas**, *Java Development Interface for Fuzzy-Interpolative Systems*, ECIT 2010, 6th European Conference on Intelligent Systems and Technologies, October 7-9, 2010, Iasi Romania, CD, ISSN 2069-036X

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97. **Valentina E. Balas**, 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

98. Ahmad. T. Azar, **Valentina E. Balas**, *Artificial Neural Network for Electromyografic Classification,* ISREIE 2010, International Symposium Research and Education in Innovation Era, 3rd Edition, Arad, Romania, November 11-12, 2010

99. Nicolae Popescu-Bodorin, **Valentina E. Balas**, *Exploratorysimulation of an Intelligent Iris Verifier Distributed System,* SACI 2011 - 6th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 19-21, 2011 in Timisora, Romania, Proceedings, art. no. 5873010, ISBN 978-1-4244-9107-0, Catalog Number CFP1145C-CDR, pp. 259-262, SCOPUS indexed, http://conf.uni-obuda.hu/saci2011/index.html

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101. Tsung-Chih Lin, Tun-Yuan Lee, **Valentina E. Balas**, *Sincrnization of Uncertain Order Chaotic Systems via Adaptive Interval Type-2 Fuzzy Sliding Mode Control,* 2011 IEEE International Confernece on Fuzzy Systems, FUZZ-IEEE 2011, June 27-30, 2011, Taipei, Taiwan, Proceedings ISBN 978-1-4244-7316-8/11, pag. 2882-2889, http://fuzzieee2011.nutn.edu.tw/index.htm

102. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina E. Balas**, *Fractional Order Chaotic System Tracking Design Base don Adaptive Hybrid Intelligent Control,* 2011 IEEE International Confernece on Fuzzy Systems, FUZZ-IEEE 2011, June 27-30, 2011, Taipei, Taiwan, Proceedings ISBN 978-1-4244-7316-8/11, pag. 2890-2896, http://fuzzieee2011.nutn.edu.tw/index.htm

103. N. Popescu-Bodorin, **V.E. Balas**, I.M. Motoc, *Iris Codes Classification Using Discriminant and Witness Directions*, 5th International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII 2011, September 15-17, 2011, Floriana, Malta, pag. 143-148, ISBN 978-1-4577-1859-5, IEEE Catalog Number: CFP 1136C-CDR, http://www.trivent.hu/ISCIII2011/index.php?p=invitation

104. N. Popescu-Bodorin, **V.E. Balas**, I.M. Motoc, *8-Valent Fuzzy Logic for Iris Recognition and Biometry*, 5th International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII 2011**,** September 15-17, 2011, Floriana, Malta, pag. 149-154, ISBN 978-1-4577-1859-5, IEEE Catalog Number: CFP 1136C-CDR, http://www.trivent.hu/ISCIII2011/index.php?p=invitation

105. Ahmed Azar, **Valentina E. Balas**, Teodora Olariu, *Classification of EEG-Based Brain-Computer Interfaces,* International Workshop on Next Generation Intelligent Mediacal Decision Support Systems, **MedDecSup 2011**, 18-19 September, 2011, Tg. Mures, Romania, http://ncscs.upm.ro/index.html

106. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina Emilia Balas**, *Real-Time Recurrent Interval Type-2 Fuzzy-Neural System Identification Using Uncertainty Bounds*, FUZZ-IEEE 2012, June 10-15 , 2012, Brisbane, Australia, pag. 2087-2094.

107. Ahmed Azar, **Valentina E. Balas**, *Classification and detection of diabetic retinopathy* 2'nd International Workshop on Next Generation Intelligent Medical Decision Support Systems'2012, MedDecSup 2012, July 10-11, 2012, Sofia, Bulgaria, http://rcvt.tu-sofia.bg/meddecsup2012/Program%20MedDecSup%272012.pdf

108. Tsung-Chih Lin, Chia-Hao Kuo, **Valentina Emilia Balas**, *Real-Time Recurrent Interval Type-2 Fuzzy-Neural System Identification Using Uncertainty Bounds*, **FUZZ-IEEE 2012**, June 10-15 , 2012, Brisbane, Australia, pag. 2087-2094.

109. Tsung-Chih Lin, Chung-Ching Wang, I-Shin Liu, **Valentina E. Balas**, *Identifier Based Interval Type-2 Fuzzy Tracking Control*, The 2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013), July, 7-10, 2013, Hyderabad, India, http://www.isical.ac.in/~fuzzieee2013/ .

110. Dana Balas-Timar, **Valentina E. Balas**, *Standardized Professional Counseling Techniques in POSDRU Project Implementation*, ICAP 2013, International Conference on Applied Psychology, the 5th edition, 24-27 October, Iasi Romania, Abstracts, Paper 5, pag. 11-12, http://www.psih.uaic.ro/~icap2013/

111. Rajeeb Dey, **Valentina E. Balas**, T.C. Lin and G. Ray, *Improved Delay-range-dependent Stability Analysis of a T-S Fuzzy System with Time Varying Delay*, CINTI 2013, 14th IEEE International Symposium on Computational Intelligence and Informatics, 19-21 November 2013, Budapest, Hungary, pag. 173-178, http://conf.uni-obuda.hu/cinti2013/

112. Ting-Ching Chu, Tsung-Chih Lin and **Valentina Emilia Balas**, *Observer-based indirect adaptive supervisory control for unknown time delay system*, International Conference on Fuzzy Systems 2014, FUZZ-IEEE 2014, 1-11 July, Beijing, China, ISBN 978-1-4799-2073-0, pag. 1883-1890, DOI 10.1109/FUZZ-IEEE.2014.6891631

113. **Valentina E. Balas**, Soumya Banerjee, *Seeded Text Auto-Summarization: An Experience with Simplified Statistical and Fuzzy Ranking Algorithm*, 15th IEEE International Symposium on Computational Intelligence and Informatics, CINTI 2014, November 19-21, 2014 in Budapest, Hungary, ISBN 978-1-4799-5338-7/14, pag. 143-146

114. Manash Sarkar, Soumya Banerjee and **Valentina E. Balas**, *Configuring Trust Model for Cloud Computing: Decision Exploration Using Fuzzy Reasoning*, INES 2015, IEEE 19th International Conference on Intelligent Engineering Systems • September 3–5, 2015, Bratislava, Slovakia, pag. 219-223.

115. D. Jude Hemanth, J. Anitha, **Valentina Emilia Balas**, *Performance Improved Hybrid Intelligent System for Medical Image Classification*, Proceedings of the 7th Balkan Conference in Informatics Conference Proceedings, 2-4 September 2015, Craiova, Romania, Article 8, ACM ISBN: 978-1-4503-3335-1, doi>10.1145/2801081.2801095

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117. Umar Farooq, Jason Gu, Mohamed El-Hawary, **Valentina Balas** and Usman Asad, *Experimental Study of Optimal Takagi Sugeno Fuzzy Controller for Rotary Inverted Pendulum* , FUZZ-IEEE 2015, IEEE International Conference on Fuzzy Systems, 2-5 August, 2015, Istambul, Turkey

118. Seshadhri Srinivasan, Daniel Großmann, Carmen Del Vecchio, **Valentina Emila Balas**, Luigi Glielmo *Enabling Technologies for Enterprise Wide Optimization*, IEEE ICIIS'2015, **DOI:** 10.1109/ICIINFS.2015.7399051

119. K.Jagatheesan, B.Anand, Nilanjan Dey, Amira S. Ashour and **Valentina Emilia Balas**, *Proportional-Integral-Derivative (PID) Controller Equipped LFC of Multi-Area Interconnected Power System*, V International Conference Industrial Engineering and Environmental Protection 2015 (IIZS 2015), Zrenjanin, Serbia; October 15-16, 2015, pag. 427-436, ISBN 978-86-7672-259-4

120. Taras Kotyk, Amira S. Ashour, Sayan Chakraborty, Nilanjan Dey and **Valentina E. Balas**, *Apoptosis Analysis in Classification Paradigm: A Neural Network based Approach*, Healthy World Conference 2015 - A Healthy World for a Happy Life, Kakinada (AP) India5-7 September 2015, Pag. 17-22, http://www.hwc.2015.org/share/PapersList%Final%29.zip

121. Ram Kumar, F. A. Talukdar, Nilanjan Dey, Amira S. Ashour, V. Santhi, **Valentina E. Balas**, Fuqian Shi, *Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method based Approach*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

122. Sirshendu Hore, Sankhadeep Chatterjee, V. Santi, Nilanjan Dey, Amira S. Ashour, **Valentina E. Balas**, Fuqian Shi, *Indian Sign Language Recognition using Optimized Neural Networks*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

123. Rakesh kumar S, Ramkumar K, Seshadhri Srinivasan, **Valentina Emilia Balas**, Fuqian Shi, *Self-Calibration of Dead Reckoning Sensor for Skid-Steer Mobile Robot Localization using Neuro-Fuzzy Systems*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

124. Ali Asghar Rahmani Hosseinabadi, Fataneh Alavipour, Shahaboddin Shamshirbnd, **Valentina E. Balas**, *A Novel Meta-Heuristic Combinatory Method for Solving Capacitated Vehicle Location-Routing Problem With Hard Time Windows*, 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), 12-13 December 2015, Xi'an, China

125. SMJ Mortazavi, Omid Jaberi, Atefeh Zamani, SAR Mortazavi, **Valentina E. Balas**, Ali Soleimani, Ali Zamani, Masoud Haghani, *The Importance of Quantification of Data in Studies on the Health Effects of Exposure to Electromagnetic Fields Generated by Mobile Base Stations*, The Congress on Information Technology, Computational and Experimental Physics (*CITCEP 2015*), Kraków, Poland, 18-20 December 2015, Paper 22, pag 113-116

126. Marjan Kuchaki Rafsanjani, Hamideh Fatemidokht, **Valentina E. Balas**, *A modeling framework for Quality of Service in Mobile Ad hoc Networks,* The Congress on Information Technology, Computational and Experimental Physics (*CITCEP 2015*), Kraków, Poland, 18-20 December 2015, Paper 30, pag 154-158

127. Marzieh Najariyan, Mehran Mazandarani, **Valentina E. Balas**, *Modified Reimann-Liouville fuzzy fractional derivative*, The Congress on Information Technology, Computational and Experimental Physics (*CITCEP 2015*), Kraków, Poland, 18-20 December 2015, Paper 31, pag. 159-170

128. Marius M. Balas, **Valentina E. Balas**, *The Parallel Shift. A Fundamental Challenge for the Information Technology after 2008*, The Congress on Information Technology, Computational and Experimental Physics (*CITCEP 2015*), Kraków, Poland, 18-20 December 2015, Paper 47, pag, 242-246

129. K.Jagatheesan, B.Anand, Nilanjan Dey, Amira S. Ashour, Valentina E. Balas, *Conventional controller based AGC of multi-area Hydro-Thermal power systems*, 2016 International Conference on Computer Communication and Informatics (*ICCCI* -2016), Jan. 07 – 09, 2016, Coimbatore, INDIA, ISBN 978-1-4673-6680-9, IEEE Xplore, pag. 560-565

130. Jagatheesan Kaliannan, Anand B, Santhi V, Nilanjan Dey, Amira S. Ashour and **Valentina Emilia Balas**, *Dynamic Performance Analysis of AGC of Multi-Area Power System Considering Proportional-Integral-Derivative Conroller with Different Cost Functions*, IEEE-ICEEOT-2016 conference which is organizing by DMI College of engineering, Chennai, Tamilnadu during 3rd to 5th March 2016.

131. Seshadhri Srinivasan, Daniel Grossman, Carmen Del Vecchio, **Valentina E. Balas**, Luigi Glielmo, *Enabling technologies for Enterprise Wide Optimization*, 2015 IEEE 10th International Conference on Industrial and Information Systems (ICIIS) , 17-20 December, 2015, University of Peradeniya, Akbar Bridge, Peradeniya, Sri Lanka, pag. 434-439, DOI: 10.1109/ICIINFS.2015.7399051

132. K.Jagatheesan, B.Anand, Nillanjan Dey, Amira S. Ashour, Cornel Barna, **Valentina E. Balas,** *Automatic Generation Control of an Interconnected Multi-Area Reheat Thermal Power Systems with Conventional Proportional-Integral Controller Considering various Performance Indices*, 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, SACI 2016; Timisoara; Romania; 12 May 2016 through 14 May 2016; Category numberCFP1645C-USB; Code 122690, May, 2016, Timisoara, Romania, pag. 289-294.

133. Tsung-Chih Lin, Jian-Lin Yeh, Chia-Hao Kuo, Yu-Chen Lin and **Valentina E. Balas**, Adaptive Fuzzy Sliding Mode Active Vibration Control for Rail Vehicle Pantograph, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Accepted.

134.   Dana Balas-Timar, **Valentina E. Balas**, Marius M. Balas, Vijay Rao, *Fuzzy Scoring of Behavioral Interviews Based on Storytelling Approach*, The 6th World Conference on Soft Computing - WConSC 2016, Volume: dedicated to 50th Anniversary of Fuzzy Logic and Its Applications and 95th Birthday Anniversary of LOTFI A. ZADEH, Berkeley, 23-25 May 2016, paper 341

135. Ali Asghar Rahmani Hosseinabadi, Maryam Kardgar, Hamed Ebadi, **Valentina Emilia Balas**, *An Energy Aware Approach for Unequal Clustering using Fuzzy System in Wireless Sensor Networks*, WConSC 2016, Volume: dedicated to 50th Anniversary of Fuzzy Logic and Its Applications and 95th Birthday Anniversary of LOTFI A. ZADEH, Berkeley, 23-25 May 2016, paper 63

136. K. Jagatheesan, B. Anand, Nilanjan Dey, Amira S. Ashour, **Valentina E. Balas**, *Load Frequency Control of Hydro-Hydro System with Fuzzy Logic Controller Considering Non-Linearity*, WConSC 2016, Volume: dedicated to 50th Anniversary of Fuzzy Logic and Its Applications and 95th Birthday Anniversary of LOTFI A. ZADEH, Berkeley, 23-25 May 2016, paper 185

137. P. Raja Rajeswari, S. Viswanadha Raju, Amira S. Ashour, Nilanjan Dey and **Valentina Emilia Balas**, *Active Site Cavities Identification of Amyloid beta precursor protein: Alzheimer Disease Study*, IEEE 20th Jubilee International Conference on Intelligent Engineering Systems 2016, INES 2016, June 30-July 2 2016, Budapest, Hungary, ISBN 978-1-5090-1216-9/16, pag. 319-324.

Projects (Selection)
More that 25 projects for railway cars, devices and special machine tools

Experience in national and international programs:

Program/Project	Function	Period: from…to
Grant CNCSU cod 107, Polytechnic University of Bucharest	Collaborator	November 1999, University de Savoie, Annecy, France

Grant CNCSU cod 107, Polytechnic University of Bucharest	Collaborator	January 2001, , University de Savoie, Annecy, France
Grant CNCSIS - „Research fro implementation of fuzzy logic and neural network strategy based for fault detection and diagnosis with applications in the field of electric systems"	Collaborator with Politechnica University of Timisoara	2004-2005
Summer School "Soft Computing", Arad-Moneasa 2003	Chief of program	8-- 15 July 2003
Summer School "Soft Computing", Arad-Moneasa 2004	Chief of program	16 – 23 August 2004
Summer School "Soft Computing", Arad-Moneasa 2005	Chief of program	21-29 July 2005
Summer School "Soft Computing", Arad-Moneasa 2006	Chief of program	16-23 July 2006
Grant from Mitzubishi for PLC laboratory	Chief of project	May 2007
Travel grant from National Taiwan University of Science and Technology	Beneficiary	October 2007
Grant CNCSIS cod 203	Collaborator	March 2008
Grant PN II WE cod CNCSIS: 47 – Exploratory Workshop	Collaborator	May 2008
International Project, Proiecte de Cooperare Bilaterala/Multilaterala, Programul: Capacităţi /Modul III, Cooperare Bilaterala intre Romania si Bulgaria, Titlu: *"Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems"*, Acronim: *NextGenElectroMedSupport*	Collaborator	2010-2012
International Program, The National Plan for Research Developement and Innovation 2007-2013-PN II, Capacităţi /Modul III, Proiecte de Cooperare Bilaterala/Multilaterala, Cooperare Bilaterala intre Romania si Slovacia Title: *"**Hybrid Medical Complex Systems**",* Acronim: ComplexMediSys CO: Universitatea Petru Maior din Targu Mures CO: Academia Slovaca de Stiinte, Bratislava Directori. Ladislav Hluchý (Slovacia) si Barna Iantovics (Romania) Member: Valentina E. Balas, ianuarie 2011-ianuarie 2013.	Collaborator	2011-2013

Detailed:

1. *Grant CNCSU Nr. 107 Devices, Circuits and Microsystems,* with Politechnica University of Bucharest, Cod: CNCSU, Nr. 107. V. E. Balas November 1999, visit and doccumentation fot PhD thesis in the field of smart sensors, LAMII laboratory, Annecy, Franţa. Valoare: 1000$

2. Contract: Electro-Pneumatics Automation,. Cod: 511/ 08.05.2000. For: PLASTOR SA Oradea. *Collaborator*- V. E. Balas. 2.000.000 ROL.

3. *Grant CNCSU Nr. 107 Devices, Circuits and Microsystems,* with Politechnica University of Bucharest, Cod: CNCSU, Nr. 107. V. E. Balas November 2001, visit and doccumentation fot PhD thesis in the field of smart sensors, LAMII laboratory, Annecy, Franţa. Valoare: 1000$

4. Contract: Study on the command systems. Cod: 352/7.02.2002. For: SC Industrial Tehnologic Robac Service SRL Lipova. *Collaborator* - V. E. Balas,: 770 EURO

5. Contract: Study of a measure method, Cod: 6/25.06. 2002. MOPEKA Timişoara, *Collaborator* - V. E. Balas. 300 EURO

6. *Organizing of International Summer School,,Soft Computing" – second edition, in English language, July* 2003, Responsible of project - V. E. Balas, 20.000.000 ROL.

7. *Grant CNCSIS ,,Research on strategies based on Fuzzy Neural Networks for the diagnosis of electric systems".* July 2004. *Collaborator* - V. E. Balas, 800 EURO

8. *Organizing of International Summer School,,Soft Computing" – third edition, in English language, August* 2004, Responsible of project - V. E. Balas, 25.000.000 ROL.

9. Research grant with *SC CONTACT PLUS SRL Arad. ,, Research on the development of new methods of knowledge fusion and applications".* May 2005. ,,Aurel Vlaicu" University from Arad. Coordinator - V. E. Balas, 5.000.000 ROL.

10. Project to sponsor the International Workshop IEEE SOFA 2005, with MICROSOFT ROMANIA, August 2005, Coordinator - V. E. Balas, 1000 $.

11. *Organizing of International Summer School,,Soft Computing" - four edition, in English language, July* 2005, Responsible of project - V. E. Balas, 80.000.000 ROL.

12. *Organizing of International Summer School,,Soft Computing" – five edition, in English language, August* 2006, Responsible of project - V. E. Balas, 30.000.000 ROL.

13. Research project: *A new device for Automation Laboratoty - Mitzubishi PLC,* September 2007, ,,Aurel Vlaicu" University from din Arad, Coordinator - Valentina E. Balas, 1600 EURO

14. International Grant – *Travel grant* offered *by* National Taiwan University of Science and Technology Invited conference in Taipei, Taiwan, October 2007, Valentina E. Balas, 3000 EURO.

15. Research project Nr. 05/12.12.2007 with SC Ovidiu Nicola SRL *,,Research for a rain sensor",* ,,Aurel Vlaicu" University from Arad, Coordinator Valentina E. Balas , 1.000 Ron

16. Research project Nr. 2726/22.05.2008 with *SC Ready SRL ,,Research on some applications of artificial intelligence in techniques ",* ,,Aurel Vlaicu" University from Arad, Coordinator - Valentina E. Balas, 1.000 Ron

17. Grant PN – II WE Cod CNCSIS: 47, ANCS Nr. 316 / 09.04.2008, Exploratory Workshop ,,From natural language to soft computing: new paradigms of artificial intelligence", 30.000 Ron, *Collaborator* – Valentina E. Balas, http://www.cncsis.ro/PNCDI%20II/Idei/2008/W_Exploratorie/rezultate%20finale_aplicatii%20depuse%20pana%20la%2031%20martie%202008_pt%20site.pdf
18. Grant CNCSIS tip PREC ISI - ,,Awarding the research results " PN-II-RU-PRECISI-2008, March 2008, Cod CNCSIS 203, Chief of project - V. E. Balas, 2000 RON,. position 169.
http://www.cncsis.ro/PNCDI%20II/Resursa%20umana/Premiere/Mar08/REZULTATE_MARTIE_2008.pdf

19. International Project, Proiecte de Cooperare Bilaterala/Multilaterala, Programul: Capacităţi /Modul III, Cooperare Bilaterala intre Romania si Bulgaria, Titlu: *"Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems",*Acronim: *NextGenElectroMedSupport, 2010-2012*

20. Travel grant offered by Kaohsiung University, November 2010.

21. Travel grant offered by IEEE ICSEM 2010 conference, Yichang, China, November 2010

22. Scientific project GWT Technologies for web applications.

23. International Project "Hybrid Medical Complex Systems", Romania-Slovakia.

24. Travel grant offered by Yamaguchi University, Japan, February 2011.

25. International Grant - *NSFAwards ENG-1047778 – Collaborative Research - Travel grant* oferit de Georgia Institute of Technology, School of Materials Science and Engineering, Atlanta, Georgia, USA, **WIRES 2011 (**Women's International Research Engineering Summit), 30 March – 2 April 2011.

26. Grant CNCSIS tip PREC ISI - ,,Awarding the research results " PN-II-RU-PRECISI-2011-3-1066, Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems, CHAOS SOLITONS & FRACTALS
http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202011/evaluare/rezultate%20septembrie%20actualizata%2022%20decembrie.pdf, 2011, poz. 1043, pag 20/47

27. Travel grant offered by FEIT 2011 conference, Xi'an, China

28. Travel grant offered by South University of Australia, Adelaide to give two seminars to NUS and NTU in Singapore, January 11-15, 2012 – 1500 $.

29. Grant CNCSIS tip PREC ISI - "Awarding the research results " PN-II-RU-PRECISI-2012-6-0698, Valentina E. Balas, Adaptive fuzzy H ∞ tracking design of SISO uncertain nonlinear fractional order time-delay systems, Nonlinear Dynamics , 2012, poz. 693, pag 37/46.

30. Travel grant offered by ICGEC 2012, *The Sixth International Conference on Genetic and Evolutionary Computing,* to give a keynote lecture, 25-28 August 2012, Kitakyushu, Japan, Valentina E. Balas, 3000 EURO, http://bit.kuas.edu.tw/~icgec12/document/ICGEC-2012-Conference_Program.pdf

31. Travel Grant - Conferinta invitata – "*Soft Computing-Based Research in "Aurel Vlaicu" University of Arad Methodologies and Applications* ",The 2012 International Conference on Information Management, Innovation Management and Industrial Engineering, **ICIII2012**, China, Sanya, 20-21 Oct. 2012, http://www.iciii-conf.org/ http://www.iciii-conf.org/keynotes.htm

32. Travel Grant – Invited Conference - *New Advanced Computational Intelligence Paradigms. Methodologies and Applications* la **Workshop on Computational Intelligence in Honor of László T. Kóczy** on his 60th Birthday, November 22, 2012, Obuda University, Hungary.

33. Travel Grant – Invited Conference to AISC 2012 – Artificial Intelligence and Soft Computing, On the eve of 150th Birth anniversary of Pt. Madan Mohan Malviya Ji, founder of BHU, Varanasi and 25th year of Graduation of Alumni of Department of Computer Engineering, IIT (BHU) Varanasi 7-9 Decembrie 2012, India, http://iitbhu.ac.in/conferences/cse/aisc2012/ \

34. Travel Grant - Invited Conference " *New Advanced Intelligenge Paradigms*" la ICGITS 2013 – International Conference on Global Innovations in Technology and Sciences, 4-6 April 2013, Kottayam, India, http://www.icgits.org/

35. Travel Grant - Invited Conference "*Recent advances in soft computing applications*" – Valentina E. Balas, la College of Information Science and Engineering, Ritsumeikan University, Shiga, Japan, 11-14 Septembrie 2013.

36. Tutorial – "*Sisteme fuzzy*" – Valentina E. Balas, 16-18 Decembrie 2013, G.H.Raisoni College of Engineering, Nagpur, India http://icetet.org/technical_program.html
37. Travel Grant - Invited Conference to 6th International Conference on Emerging Trends in Engineering & Technology, ICETET 2013, 16-18 December, Nagpur, India, Plenary Talk" *Advanced Computational Intelligence-Based Research",* http://icetet.org/technical_program.html http://www.nagpurtoday.in/6th-international-conference-on-emerging-trends-in-engineering-technology-from-dec-16-18-2013/

38. Travel Grant - Invited Conferenceto Kalasalingam University, Tamil Nadu, India, 29 ianuarie, 2014,
" *New Directions in Intelligent Systems: Reasoning and Applications*"- Valentina E. Balas.

30. Travel Grant - Invited Conference to Optimization in Engineering (OPTENG2014), 29-31st May, 2014, Bankura Unnayani Institute of Engineering, Bankura, West Bengal, India, *Advanced Soft Computing Methodologies and Practical Applications*- Valentina E. Balas.

31. Keynote Speaker and Session Chair to the 7th International Conference on Information Management, Innovation Management and Industrial Engineering (ICIII2014), 25-26 October 2014, Xi'an, CHINA, *Fuzzy Techniques in Image Processing* – Valentina Balas, http://www.iciii-conf.org/keynotes.htm

32. The 18th World Conference on Soft Computing and Industrial Applications, World Wide Web 1-12 December 2014, **WSC 18**, *Practical Applications of Soft Computing Techniques,* Valentina Balas, http://www.fti.itb.ac.id/wsc18/keynote/

33. IEEE 17th International Multi Topic Conference **INMIC 2014**, Bahria University, Karachi December 8-10, 2014, Pakistan, Special Guest Lecture - *Soft Computing Methods and Modeling,* http://ieee.inmic.org/index.php?option=com_content&view=article&id=96&Itemid=72

34. International Grant - Plenary Panelist, Title: The future development and challenges of ICT, Valentina and Marius Balas to International Computer Symposium, December 12-14, 2014, Tunghai University, Taichung, Taiwan

35. Travel grant - Healthy World Conference 2015, 5-7 September 2015, Kakinada, India, Invited talk: *Electronics and its applications in Health Care*, http://www.hwc2015.org/docs/HWC2015Brochure.pdf

36. Travel grant - 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), Xi'an, CHINA, December 12-13, 2015, Invited Speaker: *Automatic control of the traffic flow*, http://itits.chd.edu.cn/cp.htm

37. Travel grant - The International Conference on Computational intelligence and communication technology (ICICT-2016), 12-13 February, 2016 Ghaziabad, India , http://cict.abes.ac.in/speaker.php

38. Membru în colectivul grantului, **Sef WP 3** din Programul Operaţional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, deszvoltare tehnologică şi inovare (CDI) în sprijinul competitivităţii economice şi dezvoltării afacerilor, Acţiunea 1.1.4 – Atragerea de personal cu competenţe avansate din străinătate pentru consolidarea capacităţii de CD. Titlul Proiectului: **Noi nano-arhitecturi de inspiraţie biologică de tip cellular – pentru circuite integrate, Nano-ART-BioCell – P_37_744, valoare 8.502.600 lei, 2016.**

39. Proiect cu Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, 23.000 lei, Director de proiect – Valentina E. Balas, Proiect obţinut prin competiţie, http://www.cmcarad.ro/wp-content/uploads/2016/03/centralizatorTINERET-2016-sesiunea-I-etapa-I1.pdf

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Member IEEE, Computational Intelligence Society since 2003, SMC – 2009, IE - 2009
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Member IEEE, Computer Society since 2007
Member in TC Emergent Technologies – IEEE CIS from 2009
Member in TC Soft Computing – IEEE SMC from 2009
Member IEEE IES from 2009
Senior member IEEE from 2007
Committee member of the WCI (Woman in Computational Intelligence)
http://smile.ee.ncku.edu.tw/WCI/index.html , 2006
Member in EUSFLAT (European Society for Fuzzy Logic and Technology) since 2007, http://www.eusflat.org/
Member ACM – Association for Computer Machinery, USA, from 2008
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http://www.iamsie.org/index.php?option=com_content&view=article&id=2&Itemid=16
   Founding Member of Romanian Association for Artificial Intelligence **-** ARIA – March 2011, http://www.aria-romania.org/en/about-aria/members
   Member in Editorial Board to *SCICON* **–** The International Association of Science & Engineering Congress din august 2011, Bangladesh, http://www.scicon.org/index.html
   Member in Computational Intelligence in Control CT 3.2 of IFAC (International Federation of Automatic Control) din 2011, http://tc.ifac-control.org/3/2/members
   Senior Member to IACSIT – International Association of Computer of Computer Science and Information Technology, Singapore, No. 80343689 from 2011.
   Mentor to Interscience Research Network, IRNet, India, www.interscience.ac.in, from 2012.
   Elected Joint Secretary of the Governing Council of Forum for Interdisciplinary Mathematics (FIM), - A Multidisciplinary Academic Body, India, 2013-2015, 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,** 2013-2015, USA, http://isdlab.ie.ntnu.edu.tw/ntust/ifsa/sources/council.html

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Editor in Chief of Scientific and Technical Bulletin, Series: Electrotechnics, Electronics, Automatic Control and Computer Science, „Aurel Vlaicu" University from Arad, since **2004.**

Editor Proceedings of the 7th WSEAS International Conferences: Neural Networks, Fuzzy Systems, Evolutionary Computing, Accoustics & Music:Theory and Application, Mathematics and computers in Biology and Chemistry, Mathematics and Computers in Bussines and Economics, Automation and Information, **2006**, Cavtat, Croatia http://www.wseas.us/e-library/conferences/2006cavtat/fs/index.htm , **BDI indexed**

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Member in International Committee to Analele Universitatii din Oradea/Fascicula ELECTROTEHNICA, Sectiunea: Stiinta Calculatoarelor si Sisteme de Control, **ISSN 1841-7213,** http://electroinf.uoradea.ro/facultate/fascicola_ssc.html**,** Revista **CNCSIS B.**

Member in Editorial Board to *International Journal of Intelligent Decision Technologies,*ISSN: 1872-4981, *IOS* Press, Nieuwe Hemweg 6B, 1013 BG Amsterdam, The Netherlands http://www.iospress.nl/loadtop/load.php?isbn=18724981**, 2007, BDI indexed**

Editorial Review Board Members to UBICC journal (the Ubiquitous Computing and Communication Journal), **2007**, Volume 4, ISSN 1992-8424,

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Member in Scientific Board to **Acta Technica Napocensis**, Technical University of Cluj-Napoca, Romania, Faculty of Electronics, Telecomunications and Information Technology, Volume 50, Number 1, **2009**, ISSN 1221 – 6542.

Associate Editor to AISS – Advances in Information Sciences and Services Sciences (An International Journal of Research and Inovation), ISSN : 1976-3700**,** Korea**,** from **2009.**
http://www.aicit.org/aiss/editorial.html

Member in Editor/Editorial Board to **Journal of Computer Science & Systems Biology,** OMICS Publishing Group, USA, from **2009**, ISSN: 0974–7230**,** http://www.omicsonline.com/jcsbhome.php, http://www.omicsonline.com/EditorialboardJCSB.php

Editor to Journal of Convergence Information Technology JCIT, from **2009,** ISSN : 1975-9320, (DBLP, INSPEC), http://www.aicit.org/jcit/editorial.html , AICIT - Advanced Institute of Convergence IT, Dongguk University, Korea

Editor to **International Journal of Advancements in Computer Technolog y IJACT**, from **2009,** ISSN: 2005-8039, http://www.aicit.org/IJACT/edit_board.html , AICIT - Advanced Institute of Convergence IT, Dongguk University, Korea

Editor to Journal of Tissue Sciences & Engineering, OMICS Publishing Group, USA, from **2009,** http://www.omicsonline.org/EditorialboardJTSE.php

Editor to Journal of Data Mining in Genomics & Proteomics (JDMGP), from **2010,** ISSN: 2153-0602, http://www.omicsonline.org/EditorialboardJDMGP.php

Member in **Editorial Board** to **AIS** - **Advances in Information Sciences**, ISSN 2093-1956, Human Pub, Human and Sciences Publications, **2010**, http://www.humanpub.org/ais/edit_board.html

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Proceedings of the 11th WSEAS International Conference on
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Proceedings of the 11th WSEAS International Conference on EVOLUTIONARY COMPUTING (EC '10)
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Member in Editorial Review Board of the **International Journal of Energy Optimization and Engineering
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Convergence IT, http://www.aicit.org/ijei/cfeic.html?pn=ijei

Regional Editor Europe to **International Journal of Computational Systems Engineering (IJCSysE),** ISSN (Online): 2046-3405 - ISSN (Print): 2046-3391, Inderscience, http://www.inderscience.com/browse/index.php?journalID=378

Guest Editors, Valentina E. Balas, Ioan Dzitac, Horia-Nicolai Teodorescu - INTERNATIONAL JOURNAL of COMPUTERS, COMMUNICATIONS & CONTROL, ISSN 1841-9836, E-ISSN 1841-9844 . Year: **2011** Volume: 6 Number: 3 (September),*This Issue is Dedicated to Professor Lotfi A. Zadeh on the Occasion of his 90th Birthday,* Agora University Editing House, ISSN 1841-9836.

Member in Editorial Review Board to **International Journal of Energy Optimization and Engineering (IJEOE),** DOI: 10.4018/IJEOE, IGI Global, http://www.igi-global.com/bookstore/titledetails.aspx?titleid=47187&detailstype=reviewboard

Associat Editor to **International Journal of System Dynamics Applications (IJSDA), DOI: 10.4018/IJSDA,** IGI Global, http://www.igi-global.com/bookstore/titledetails.aspx?TitleId=51803 , www.igi-global.com/IJSDA.

Associate Co Editor-in-chief to **Agricultural Engineering Research Journal (AERJ),** ISSN: 2218-3906, **IDOSI (**International Digital Organization for Scientific Information), Egypt, http://www.idosi.org/aerj/board.htm

Member in Editorial Board to **International Journal of Control Systems, Robotics and Industrial Automation,** ISSN 2240-1229, http://www.internationalsar.org/journal2.html

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Associate Editor to **Cyber Journals: Multidisciplinary Journals in Science and Technology**, for Journal of Selected Areas in Robotics and Control (JSRC) ISSN 1925-2676, Canada, http://www.cyberjournals.com/ , http://www.cyberjournals.com/associates.html

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Member in Editorial Board to **Journal of Mechanics Engineering and Automation**, ISSN:2159-5275, http://www.davidpublishing.com/journals_info.asp?jId=713

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Member in Editorial Board la Scientific Journal of Engineering (SJEng), http://www.sjournals.com/index.php/SJEng/about/displayMembership/22b

Guest Editor to Special Issue on Fuzzy Engineering and Intelligent Transportation (Guest Editors : Prof. Xiangmo Zhao, Prof. **Valentina Emilia Balas** and Prof. Fuqian Shi), Internationl Journal of INFORMATION (INFORMATION-TOKYO), Editing Asian Information-Science-Life (NOVA Sci. Pub., USA), http://www.information-iii.org/information_journal.html ,Vol.15, No.6, June, 2012, http://www.information-iii.org/abs_e2.html#No6-2012

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Editor to **Recent Researches in Circuits & Systems**, Proceedings of the 16th WSEAS International Conference on Circuits(part of CSCC '12), Proceedings of the 16th WSEAS International Conference on Systems(part of CSCC

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Associate Editor la International Journal of Computers and Communications, ISSN: 2074-1294, Publisher : NORTH ATLANTIC UNIVERSITY UNION, NAUN, http://journalseeker.researchbib.com/?action=viewJournalDetails&issn=20741294&uid=rf84dc

Guest Editor la **Soft Computing Applications**, Proceedings of the 5th International Workshop Soft Computing Applications (SOFA 2012) Series: **Advances in Intelligent Systems and Computing**, Vol. 195 Balas, V.E.; Fodor, J.; Várkonyi-Kóczy, A.R.; Dombi, J.; Jain, L.C. (Eds.) 2013, ISBN 978-3-642-33941-7

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ISSN: 2005-8039, Special Issue 54 - 2012 the 2nd International Joint Conference on Fuzzy Computing and Intelligent Transportation, http://www.aicit.org/IJACT/global/si.html?jname=IJACT#S54 **(SCOPUS, INSPEC, DBLP)**

Lead Guest Editor la **Mathematical Problems in Engineering,** ISSN: 1024-123X (Print), ISSN: 1563-5147 (Online), Fuzzy Computing and Intelligent Transportation, http://www.hindawi.com/journals/mpe/si/702023/cfp/ , http://www.hindawi.com/journals/mpe/ , **(ISI Journal IF = 0,548).**

Member in Editorial Board la **Journal of Automation and Control Engineering, JOACE**, ISSN: 2301-3702, http://www.joace.org/index.php?m=content&c=index&a=lists&catid=18

 Editor to International Journal of Social Networking and Virtual Communities (Int J SocNet & Vircom), ISSN: 2252-8784,
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Associate Editor-in-Chief to Lecture Notes in Information Science and Technology, LNIST, ISSN 2304-9944, http://www.orslib.org/lnist/

Member in Editorial Board to **Archives of the Philosophy and History of Soft Computing**, International online journal, published by European Centre of research in Soft Computing, Spain, http://docs.softcomputing.es/public/ArchivesJournal-Call-R.pdf

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Associate Editor to **BIOINFO SOFT COMPUTING**, ISSN : 2249-2747 (Print), E-ISSN : 2249-2755 (Online), http://www.bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000211&detail=editorial#

Member in Editorial Board as Member Board to section Engineering for **SpringerPlus –** Springer Open Journal, ISSN: 2193-1801, http://www.springerplus.com/about/edboard

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Organizer of Conferences, Workshops
          Organizer and General Co-Chair for International Workshop IEEE – SOFA 2005, 27-30 August 2005,Arad –Szeged, http://www.ieee-sofa.net/03_chair.html , 29 July-1 August 2009, Szeged-Arad.
          Session Chair to Plenary Session of Prof. Lotfi A. Zadeh at IEEE International Workshop SOFA 2005, http://www.ieee-sofa.net/07_tentativeprogram.html
          Organizer of a Special Session *Soft Computing Based Modeling in Intelligent Systems*, http://www.worldses.org/conferences/2006/croatia/fs/session2.htm within 7th WSEAS International Conference on Fuzzy Systems Cravtat, Croatia, June 12-14, 2006, http://www.worldses.org/conferences/2006/croatia/fs
          Organizer of a Special Session *Soft Computing Applications*, http://www.rasc2006.org.uk/ The 6th International Conference on Recent Advances in Soft Computing, RASC 2006, 10-12 July, 2006 Canterbury, University of Kent, UK.
          Chair for two invited sessions to RASC 2006 http://www.rasc2006.org.uk/program.htm
          Chair at The 7th WSEAS International Conference on FUZZY SYSTEMS, Session: Fuzzy Systems and Applications AUTOMATION & INFORMATION (ICAI'06), Cavtat, Croatia, June 12-14 2006.
          Organizer of the section 3*, Engineering Process and Technology, Electrical, Mechanical and Textile Engineering la International Symposium *Research and Education in Innovation Era, 16-18 November, Arad, Romania, 2006.*
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Program Committee Co-Chair to 5th International Symposium on Computational Intelligence and Intelligent Informatics, ISCIII'11, September, 15 – 17, 2011, Floriana, Malta, http://www.trivent.hu/ISCIII2011/index.php?p=chairs

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

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Co-Organizer of three Special Sessions to FUZZ-IEEE 2015, Istanbul, Turkey

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Publicity Co-Chair to WCCI 2016, Vancouver, Canada.

International Program Committee

Member in International Program Committee la EMES'05 Oradea, 2005.
Member in Technical Program Committee la ICM 2006 – IEEE International Conference on Mechatronics, July 3-5, 2006, Budapest, http://bmf.hu/conferences/icm2006/committees.html
Member in Technical Program Committee la INES 2006, 10th International Conference on Intelligent Engineering Systems 2006, London, UK, June 26-28, 2006, http://www.ines-conf.org/ines-conf/2006comm.htm
Member in International Program Committee al RSEE'2006 6th International Conference on RENEWABLE SOURCES AND ENVIRONMENTAL ELECTRO-TECHNOLOGIES, 8 - 10 June 2006, Oradea , Romania.
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Member in Advisory International Committee to 8th WSEAS International Conference on FUZZY SYSTEMS (FS '07), Vancouver, Canada, June 18-20, 2007

http://www.wseas.org/conferences/2007/canada/fs/committee.htm

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

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Member in Interational Program Committee la International Conference on Information Management, Technical Management and Intelligent Technology ICITI 2011, Hong Kong, China March 26-28, 2011, http://www.iciti-conf.org/committee.html

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

Member in Program Committee la The 6th International Conference on Soft Computing Models in Industrial and Environmental Applications, SOCO 2011, April 6-8th, 2011, Salamanca, Spain, http://soco.usal.es/ , http://soco.usal.es/?q=node/24

Member in Program Committee la IEEE Symposium on Foundations of Computational Intelligence, IEEE SSCI 2011 Halle aux Farines, Paris, France, April 11 – 15, 2011, IEEE –CIS, http://www.gimac.uma.es/foci2011/Main.html

Member in International Program Committee la The 22nd Midwest Artificial Intelligence and Cognitive Science Conference, MAICS 2011, in April 16-17, 2011, Cincinnati, USA, http://maics2011.ewu.edu/index.php/MAICS2011, http://maics2011.ewu.edu/index.php/Committee

Member in International Advisory Board, SACI 2011, 6th International Symposium on Applied Computational Intelligence and Informatics, May 19-21 2011, Timisoara, Romania, http://conf.uni-obuda.hu/saci2011/committees.htm

Member in Technical Program Committee la the 11th International Conference on Engineering of Modern Electric Systems, EMES 2011, Computer Science and Control Systems Session, 26-27 Mai 2011, Oradea Romania, http://electroinf.uoradea.ro/EMES2011/commitees/program_committee.htm

Member in International Program Committee, IEEE International Conference on Digital Ecosystems and Technologies - IEEE DEST 2011, May 31st – June 3rd 2011, Daejeon, Korea, http://dest2011.debii.curtin.edu.au/index.php/home

Member in International Program Committee la The 5th Global Conference on Power Control and Optimization PCO 2011, Dubai, United Arab Emirate, from 1 - 3 June 2011, http://www.pcoglobal.com/dubai/PCO2011DUBAI.htm

Member in Program Committee la ICCSIT 2011, 4th IEEE International Conference on Computer Science and Information Technology, June 10-12, 2011, Chengdu, China, http://www.iccsit.org/committee.htm

Member in Program Committee la 2nd International Conference on Next Generation Information Technology - ICNIT 2011, June 21-23, 2011, Gyeongju, Korea, http://www.aicit.org/icnit/scientific_members.html

Member in Program Committee la 7th International Conference on Networked Computing and Advanced Information Management – NCM 2011, June 21-13, 2011, Gyeongju, Korea, http://www.aicit.org/ncm/scientific_members.html

Member in International Program Committee la 15th IEEE International Conference on Intelligent Engineering Systems INES 2011, 23-25 June, 2011, AquaCity, Poprad, High Tatras, Slovakia, http://www.ines-conf.org/ines-conf/2011Committees.htm

Member in Conference Program Committee la First International Symposium on Data-Driven Process Discovery and Analysis SIMPDA 2011, June 29-July 1st 2011, Campione d'Italia, Italy, http://sesar.dti.unimi.it/SIMPDA2011/

Member in Program Committee la International Conference on Intelligent Healthcare – ICIH 2011, Interscience Institute of Management and Technology Bhubaneswar, 9-10 July, 2011, Bhubaneswar, India, http://www.interscience.ac.in/ICIH/icih.html , http://www.interscience.ac.in/ICIH/IAC.html

Member in Technical Program Committee la International Multi-Disciplinary Conference on Systems, Sensors, Devices, and Information Technology, S2DIT 2011, 11-14 July 2011, Bucharest, Romania, http://www.bytematters.com/S2DIT/web/committee.html

Member in Program Committee la INC2011: The 7th International Conference on Networked Computing, 12-14 July, 2011, Beijing, China, http://www.humanpub.org/inc/scientific_members.html

Member in International Program Committee la 3rd International Conference on Intelligent Decision Technologies, KES IDT 2011, University of Piraeus, 20-22 July 2011, Greece, http://idt-11.kesinternational.org/cmsIPCdisplay.php

Member in Program Committee la 2011 International Conference Uncertainty Reasoning and Knowledge Engineering, URKE 2011, Bali, Indonezia, 4-7 August 2011, http://www.iamsie.org/urke/committees.htm

Member in Program Committee la International Conference on Applied Mechanics and Manufacturing Technology, AMMT'11, August 18-20, 2011, Jeju Island, Korea, http://www.iamsie.org/ammt/index.htm , http://www.iamsie.org/ammt/committees.htm

Member in Program Committee la European Intelligence and Security Informatics Conference EISIC 2011, September 12-14, 2011, Athens, Greece, The Premier European Conference on Counterterrorism and Criminology, http://www.eisic.eu/committee.aspx

Member in Program Committee la International Symposium on Open Source Intelligence & Web Mining 2011, OSINT-WM 2011 in Conjuction with (European ISI 2011), 12-14 September, 2011, Athens, Greece, http://www.osint-wm.org/organization.html

Member in Program Committee la KES'2011, 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 15th Annual KES Conference, Kaiserslautern, Germany, 12-14 September 2011, http://kes2011.kesinternational.org/cmsIPCdisplay.php

Member in Scientific Committee la MedDecSup 2011 (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 18-19 Septembre 2011, Tg. Mures, Romania, http://ncscs.upm.ro/scientific_committee.html

Member in Program Committee la FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS, FedCSIS 2011, Szczecin, Poland, 18 -21 September, 2011, http://www.fedcsis.org/?q=node/13

Member in Technical Program Committee la VECIMS 2011 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, Taranto, Italy, 19-21 September 2011, http://vecims2011.ieee-ims.org/vecims2011/2011/organizers

Member in International Program Committee la 6th International Symposium Advances in Artificial Intelligence and Applications - AAIA'11, Szczecin, Poland, September 19-21, 2011 Celebrating 65th Birthday of Professor Bohdan Macukow, www.aaia.fedcsis.org

Member in International Program Committee la WISP 2011, IEEE International symposium on Intelligent Signal Processing, 19-21 Septembre, Floriana, Malta, http://www.trivent.hu/WISP2011/

Member in Program Committee la INC 2011, 7th International Conference on Networked Computing, September 26-28, Gumi, Korea, http://www.humanpub.org/inc/scientific_members.html

Member in International Program Committee la NASTEC'2011, September 28-30, 2011, Rensselaer Polytechnic Institute, Troy, USA, http://www.eurosis.org/cms/index.php?q=node/1799

Member in International Program Committee la 2011 IEEE International Conference on Systems, Man, and Cybernetics, IEEE SMC 2011, October 9-12, 2011, Anchorage, Alaska, http://www.smc2011.org/ , http://sites.google.com/site/smc2011v/committees

Member in Program Committee la ICMIA 2011, 3rd International Conference on Data Mining and Intelligent Information Technology Applications, October 24 - 26, 2011, Macao, China, http://www.humanpub.org/icmia/scientific_members.html

Member in Program Committee la NASNIT 2011, 16th North-East Asia Symposium on Nano, Information Technology and Reliability, October 24 - 26, 2011, Macao, China, http://www.seita.or.kr/nasnit/scientific_members.html

Member in Program Committee la NISS 2011, 5th International Conference on New Trends in Information Science and Service Science, October 24-26, 2011, Macao, China, http://www.humanpub.org/niss/cfp.html

Member in Technical Program Committee la 4th International Conference on Emerging Trends in Engineering & Technology - ICETET-11, November 18-20, 2011, Mauritius, http://www.icetet.org/prog_committee.html

Member in Program Committee la 2nd Annual International Conference on Software Engineering- SE 2011, Special Track: Nanotechnology Software Tools (NST 2011), December 5-6 2011, Singapore, http://www.softwareng.org/Committee.html

Member in International Committee la International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2011, Dec 15-16, 2011, Jakarta, Indonesia, http://icthc.theides.org/2011/index.htm

Member in Academic Community ICGST, International Conference on Computer Science and Engineering CSE-11, 19 - 21 December 2011, Istanbul, Turkey, http://www.icgst.com/con11/cse11/index.html, http://www.icgst-amc.com/institute/Community.aspx?InstId=3

Member in Program Committee to 2012 International Conference in Green and Ubiquitous Technology (Green- Ubiquitous Tech, GUT-2012), 8-9 Martie 2012, Jakarta, Indonezia, http://www.gut-conf.org/index.htm
Membra in Program Committee la The 23rd Midwest Artificial Intelligence and Cognitive Science Conference, **MAICS 2012**, School of Computing Sciences and Informatics, University of Cincinnati on April 21-22, 2012, http://maics.org

Member in Technical Program Committee to Workshop on Intelligent Decision Support Systems for Crisis Management, May 8-12, 2012 , Bãile Felix, Oradea, Romania, under the umbrella of the **ICCCC 2012**, http://icccc.univagora.ro/

Member in International Program Committee to **KES IDT 2012**, Gifu, Japan, 23-25 May 2012, http://idt-12.kesinternational.org/cmsIPCdisplay.php

Member in International Program Committee to **SACI 2012**, IEEE 7th International Symposium on Applied Computational Intelligence and Informatics, May 24-26, 2012 in Timisora, Romania, http://conf.uni-obuda.hu/saci2012/committees.htm, http://conf.uni-obuda.hu/saci2012/SACI2012_CFP.pdf

Member in Program Committee to 9th International Conference on Fuzzy Systems and Knowledge Discovery, **FSKD 2012**, 29-31 May 2012, Chongqing, China, http://icnc-fskd.cqupt.edu.cn/program_committees.htm

Member in International Committee to International Conference on Advances in Signal Processing and

Communication – **SPC**, organized by ACEEE USA Section, June 07-08, 2012 in Amsterdam, Netherlands, http://spc.theides.org/2012/comm.htm

Member in Program Committee to Special Session on Soft Data Analysis based Knowledge Discovery, **FUZZ-IEEE'2012**, at WCCI'2012, Brisbane, Australia, June 10-15, 2012, http://www.risk.tsukuba.ac.jp/~mika/WCCI2012.html

Member in Intenational Scientific Committee to **ISAR** International E-Conference on Control Systems, Robotics and Automation, June 11 - 15, 2012, http://www.internationalsar.org/call2.html

Member in International Program Committee to IEEE 16th International Conference on Intelligent Engineering Systems 2012, **INES 2012**, 13-15 June 2012, Costa de Caparica, Lisboa, Portugal, http://www.ines-conf.org/ines-conf/2012committees.htm

Member in International Program Committee to 6th IEEE International Conference on Digital Echosystems Technologies- Complex Environement Engineering, **IEEE DEST-CEE 2012**, Campione d'Italia, Italy, 18-20 June 2012, http://sesar.dti.unimi.it/DEST2012/index.php/program-committee

Member in Program Committee to The Second Symposium on Data-Drive Process Discovery and Analysis, **SIMPADA**, Lugano Lake, Campione d'Italia, 18th to 20th of June, 2012, http://sesar.dti.unimi.it/SIMPDA2012/index.php?pagina=pc

Member in International Program Committee to World Automation Congress, **WAC**, 2012 9th International Symposium on Soft Computing for Industry, **ISSCI 2012**, June 24-28 2012, Puerto Vallarta, MEXICO. http://wacong.org

Member in Program Committee to International conference in Healthcare Informatics and Biomedical Engineering Systems, **HIBES 2012**, Bandung Indonesia, 29-30 June**, 2012,** http://www.hibes.org/committee.html

Member in International Scientific Committee to ISAR International E-Conference on Control Systems, Robotics and Automation, **June 11-15, 2012,** http://www.internationalsar.org/call2.html

Member in Program Committee to **ICIS2012**, June 26 - 28, 2012, Jeju Island, Korea, 5th International Conference on Interaction Sciences: IT, Human and Digital Content, http://www.aicit.org/icis/home/scientific_members.html

Member in Technical Program Committee to **VECIMS 2012** IEEE International Conference on Virtual Environments Human-Computer Interfaces and Measurement Systems, 2-4 July, Tianjin, China, http://vecims2012.ieee-ims.org/vecims2012/2012/organizers

Member in Scientific Committee to **MedDecSup 2012** (International Workshop on Next Generation Intelligent Medical Decision Support Systems), 10-11 July, Sofia, Bulgaria, http://rcvt.tu-sofia.bg/meddecsup2012/index.html

Member in Committee to The 4th International Conference on Networking and Digital Society, **ICNDS 2012**, 21-22 July, 2012, Guiyang, China, http://www.icnds.org/committees.htm

Member in International Program Committee to The Six Global Conference on Power, Control and Optimization - **PCO'2012** in Las Vegas, Nevada, USA, 6-8th August 2012, http://www.pcoglobal.com/committee.htm

Member in Program Committee to 31st **NAFIPS 2012** conference, 6-8 August, 2012, Berkeley, USA, http://www.ualberta.ca/~reformat/nafips2012/index.html

Member in International Program Committee to **NASTEC 2012**, August 16-18, 2012, Digipen Institute of Technology, Redmond, USA, http://www.eurosis.org/cms/index.php?q=node/2090

Member in Scientific Committee to 12th WSEAS International Conference on APPLIED INFORMATICS AND COMMUNICATIONS, **AIC '12**, Istanbul, Turkey, August 21-23, 2012, http://www.wseas.org/wseas/cms.action?id=1458

Member in Committees to The 2012 International Conference on Electronic Engineering and Information Engineering **ICEI 2012**, Bandung, Indonesia, 22-23 August, 2012, http://icei-conf.org/committees.html

Member in International Program Committee to **European Intelligence and Security Informatics Conference (EISIC) 2012** August 22-24, 2012, Odense, Denmark, The Premier European Conference on Counterterrorism and Criminology, http://www.eisic.eu/committee.aspx

Member in Program Committee to 8th **ICCNT: 2012** International Conference on Computing and Networking Technology (8th INC, 2nd ICCIS and 2nd ICMIC), August 27 - 29, 2012. Gyeongju, Korea, http://www.aicit.org/iccnt/home/scientific_members.html

Member in Program Committee to International Symposium on Foundation of Open Source Intelligence and Security Informatics, **FOSINT-SI 2012**, in conjunction with ASONAM 2012, Istanbul, Turkey, August 27-28, 2012, http://uekae.tubitak.gov.tr/FOSINT-SI2012/organization.htm

Member in International Program Committee to Third International Conference on Emerging Security Technologies **EST 2012**, September 5-7, 2012, Lisbon, Portugal, http://www.est-2012.info/committees.htm

Member in Scientific Committee to 5th WSEAS International Conference on SENSORS and SIGNALS, **SENSIG '12**, Sliema, Malta, September 7-9, 2012, http://www.wseas.org/wseas/cms.action?id=1528

Member in Program Committee to 3rd IIAI International Conference on e-Services and Knowledge Management, **IIAI ESKM 2012**, September 20-22, 2012, Fukuoka, Japan Kyushu University, http://aai2012.iaiai.org/eskm2012/pc.html

Member in Scientific Committee to 12th WSEAS International Conference on ELECTRIC POWER SYSTEMS, HIGH VOLTAGES, ELECTRIC MACHINES, **POWER '12**, Prague, Czech Republic, September 24-26, 2012, http://www.wseas.org/wseas/cms.action?id=1200

Member in Scientific Committee to 8th WSEAS International Conference on REMOTE SENSING, **REMOTE '12**, Prague, Czech Republic, September 24-26, 2012, http://www.wseas.org/wseas/cms.action?id=1228

Member in Organizing Committee to World Congress on Forensic Research & Technology, Utilizing Science and Technology for Peace and Justice, October 15-17, 2012, Chicago, USA, http://www.omicsgroup.com/forensicresearch2012/committee.php

Member in Scientific Committee to 3rd International Conference on APPLIED INFORMATICS and COMPUTING THEORY, **AICT '12**, Barcelona, Spain, October 17-19, 2012, http://www.ieee.am/wseas/cms.action?id=709

Member in Scientific Expert Committee to **"Industrial Engineering and Environmental Protection",** 31. October 2012, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia, http://www.tfzr.uns.ac.rs/ieep/scientific_committee.php

Member in International Advisory Board to **ICETET-2012**, 5th International Conference on Emerging trends in Engineering and Technology, 5-7 November 2012, Himeji, Japan, http://www.icetet.org/

Member in Scientific Committee to **1st WSEAS International Conference on CLOUD COMPUTING (CLC '12),** Vienna, Austria, November 10-12, 2012, http://www.wseas.org/wseas/cms.action?id=1142

Member in Scientific Committee to 1st WSEAS International Conference on INFORMATION TECHNOLOGY and COMPUTER NETWORKS, **ITCN '12**, Vienna, Austria, November 10-12, 2012, http://www.wseas.org/wseas/cms.action?id=471

Member in Program Committee to 3rd Annual International Conference on Software Engineering & Applications (**SEA 2012**), Nanotechnology Software Tools (NST 2012), 19 - 20 November 2012, Singapore, http://www.softwareng.org/Committee.html

Member in Scientific Committe to European Conference of COMPUTER SCIENCE, **ECCS'12**, Paris, France, December 2-4, 2012, http://www.naun.org/wseas/cms.action?id=913

Member in Scientific Committee to 3rd International Conference on COMMUNICATION and MANAGEMENT in TECHNOLOGICAL INNOVATION and ACADEMIC GLOBALIZATION, **COMATIA '12**, Paris, France, December 2-4, 2012, http://www.ieee.am/wseas/cms.action?id=1004

Member in Scientific Committee to European Conference of CIRCUITS TECHONOLOGY AND DEVICES, **ECCTD '12**, Paris, France, December 2-4, 2012, http://www.naun.org/wseas/cms.action?id=827

Member in Program Committee to 7th **ICCCT: 2012** International Conference on Computing and Convergence Technology (7th ICCIT, 3rd ICEI and 3rd ICACT), December 3 - 5, 2012. Seoul, Korea, http://www.aicit.org/iccct/home/scientific_members.html

Member in International Advisory Committee la International Conference on Artificial Intelligence and Soft Computing **AISC-2012**, 7th - 9th December 2012, Varanasi, India, http://itbhu.ac.in/cse/notification/brochure%20aisc.pdf

Member in Team of The Center for Applied Social Sciences Research to International Conference on Advances in Management and Economics, **ICAME-2012,** Kuala Lumpur (Malaysia) Between December 08 and 09, 2012, http://www.cassr.com/team

Member in Program Committee to The first International Conference on Advanced Machine Learning Technologies and Applications, **AMLTA12**, Cairo, Egypt December 8-10, 2012, http://www.egyptscience.net/AMLTA12/

Member in International Committee to Second International Conference on Advances of Information & Communication Technology in Health Care – **ICTHC 2012,** Dec 13-14, 2012; Jakarta, Indonesia, http://icthc.theides.org/2012/comm.htm

Member in Editorial Committee to International Conference on Digital Contents and Applications **DCA 2012**, December 16-19, 2012, Kangwondo, Korea, http://www.sersc.org/DCA2012/index.php

Member in Scientific Committee to 3rd International Conference on Automotive and Transportation Systems, **ICAT '12**, Montreux, Switzerland, December 29-31, 2012, http://www.naun.org/wseas/cms.action?id=773

Member in International Advisory Committee la First International Conference on Instrumentation, Communication, Control and Automation – **ICICCA 2013**, Kalasalingam University, Kalasalingam Academy of Research and Education, Tamil Nadu, INDIA, 4th -5th January 2013, http://icicca2013.in/s_com.php

Member in International Advisory Committee la International Conference on Computer Communication and Informatics, ICCCI 2013, 9-11 January 2013, Coimbatore, India, http://srishakthiinstitute.com/siet_iccci/index.php/sample-page/international-advisory-committee/, http://srishakthiinstitute.com/iccci/wp-content/uploads/2012/06/ICCCI_2013_poster.pdf

Member in Scientific Committee la 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, **CSST '13**, Milan, Italy, January 9-11, 2013, http://www.wseas.org/wseas/cms.action?id=329

Member in International Committee la 1st International Conference on Advance in Soft Computing and Vision Sciences, **ICASCVS 2013**, 2nd February, 2013, Puri, India, http://www.irdindia.in/ICASCVS_Puri_Feb/Programme%20Committee.html

Member in International Committee la 1st International Conference on Instrumentation Communication, Control and Automation, **ICICCA 2013**, 17thFebruary, 2013, Nagpur, India, http://www.irdindia.in/ICICCA_Nagpur_Feb/Programme%20Committee.html

Member in International Advisory Committee la INTERNATIONAL CONFERENCE On INFORMATION, COMMUNICATION & EMBEDDED SYSTEMS, **"ICICES 2013",** 21 and 22 February, 2013, Chennai, Tamilnadu, India,

Member in International Committee la 1st International Conference on Metallurgical, Manufacturing and Mechanical Engineering, **ICMMME 2013**, 24 February 2013, Bangalore, India, http://irdindia.in/ICMMME_Bangalore_Feb/Programme%20Committee.html

Member in International Committee la 1st International Conference on Information and Industrial Electronics, **ICIIE 2013**, 24thFebruary, 2013, Chennai, India, http://www.irdindia.in/ICIIE_Chennai_Feb/Programme%20Committee.html

Member in Technical Advisory Committee la Second International Conference on Intelligent Interactive Technologies and Multimedia **IITM-2013**, Allahabad, March 9-11, 2013, India, http://iitm.iiita.ac.in/committee_new.htm

Member in International Committee Members la 1st International Conferene on Mechanics, Simulation and Control **(ICMSC 2013),** 24th March, 2013, Bangalore, India, http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICMSC_Bangalore_Mar/Editioral%20Board.html

Member in International Committee Members 1st International Conference on Recent Trends in Engineering & Technology (**ICRTET 2013**), 24th March, 2013, http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Bangalore/ICRTET_Bangalore_Mar/Editioral%20Board.html

Member in Program Committee la World **CIST'13** The 2013 World Conference on Information Systems and Technologies, March 27 - 30, Algarve, Portugal, http://www.aisti.eu/worldcist13/

Member in International Program Committee la 1st International Conference on Advances in Computer and Information Technology **ICACIT 2013**, 31st March, 2013, Goa, India, http://www.itsocietyindia.org/Upcoming%20Conf.%20Chapter/Goa/ICACIT_Goa_Mar/Editioral%20Board.html

Member in International Committee Member la 1st International Conference on Mechanical and Production Engineering, **ICMPE 2013**, 14th April, 2013, Chennai, http://itsocietyindia.org/Upcoming%20Conf.%20Chapter/Chennai/ICMPE_Chennai_Apr/Editioral%20Board.html

Member in Program Committee la IEEE Symposium on Foundations of Computational Intelligence **FOCI 2013**, affiliated to IEEE SSCI 2013 , Singapore, April 15 – 19, 2013,

http://www.matap.uma.es/foci2013/Main.html

Member in Program Committee la 2013 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2013), Workshop on Robotic Intelligence in Informationally Structured Space, Singapore, April 15-19, 2013, http://www.ntu.edu.sg/home/epnsugan/index_files/SSCI2013/index.html,

Member in International Committee Members la 2nd International Conference on Electronics Engineering and Grid System (**ICEEGS 2013**), 21st April, 2013, Mumbay, India, http://irdindiaoaj.in/ICEEGS_Mumbai_Apr/Programme%20Committee.html#

Member in Academic Committee la the third International Conference on Recent Advances in Railway Engineering, **ICRARE2013**, Iran University of Science and Technology, April 30, May 01, 2013, Tehran, Iran, http://icrare2013.iust.ac.ir/

Member in Technical Program Committee la IEEE International Symposium on Medical Measurements and Applications, **MeMeA 2013**, 4-5 Mai, 2013, Gatineau, Quebec, Canada, http://memea2013.ieee-ims.org/memea2013/2013/organizers

Member in International Program Committee la The 2013 International Conference on C**o**ntrol**,** Decision and Information Technologies, **CoDIT'13,** May 6-8, 2013, Hammamet, Tunisia**,** http://www.hypersciences.org/codit13/index.php?option=com_content&view=article&id=27&Itemid=53

Member in Scientific Committee la 1st WSEAS International Conference on MECHANICAL and ROBOTICS ENGINEERING**, MREN '13,** Vouliagmeni, Athens, Greece May 14-16, 2013, http://www.wseas.org/wseas/cms.action?id=2628

Member in International Avisory Board la IEEE 8th International Symposium on Applied Computational Intelligence and Informatics, **SACI 2013,** May 23-25, 2013, Timisoara, Romania, http://conf.uni-obuda.hu/saci2013/committees.htm

Member in IPC la The 12th International Conference on Engineering of Modern Electric Systems - EMES'13 Oradea, http://electroinf.uoradea.ro/index.php/conferinte/emes-2013/sesiuni/23-cercetare/conferin%C5%A3e/48-sesiunea-cscs.html

Member in International Committee la Second International Conference on Advances in Signal Processing and Communication – SPC, organized by ACEEE, **SPC 2013**, June 21-22, 2013, Lucknow, INDIA, http://spc.theides.org/2013/index.htm

Member in IPC la **SHUSER 2013,** IEEE Symposium on Humanities, Science and Engineering 2013 will be held in Parkroyal Penang Resort Hotel, Penang World Heritage City, Malaysia on 23 – 26 June 2013.

Member In Program Committee la IFSA World Congress – **IFSA-NAFIPS 2013**, 24-28 June, Edmonton, Canada, http://www.ualberta.ca/~reformat/ifsa2013/committees.html

Member in International Program Committee la **KES IDT 2013**, *5th International Conference* on Intelligent Decision Technologies, Sesimbra, Portugal, 26-28 June 2013, http://idt-13.kesinternational.org/cmsIPCdisplay.php

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

Member in International Program Committee la 2013 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, **CIVEMSA 2013**, 15-17 July, Milan, Italy, http://civemsa2013.ieee-ims.org/civemsa-2013/organizers

Member in Technical Review Committee for **SCORED 2012** (2012 IEEE Student Conference on Research and Development).

Member in Program Committee la The 5th International Conference on Networking and Digital Society, Guiyang, China during July 21-22, 2013, http://www.icnds.org/committees.htm .

Member in Program Committee la 7th IEEE International Conference on Digital Ecosystems and Technologies Special Theme - Complex Environment Engineering, **IEEE DEST 2013**, 24-26 July 2013 – Stanford, California, USA, http://dest2013.digital-ecology.org/index.php/organising-committee

Member in TPC la International Symposium on Women in Computing and Informatics, **WCI-2013**, August 23-24, 2013, Mysore, India**,** http://icacci-conference.org/site/wci2013

Member in IPC la the 2nd International Conference on Advances in Computing, Communication and Informatics, **ICACCI-2013**, 22-25 August 2013, Mysor, India, http://icacci-conference.org/site/pcc

Member in Technical Program Committee la International Symposium on Control, Automation, Industrial Informatics and Smart Grid, **ICAIS 2013,** 24-25 August, Mysore, India, http://icacci-conference.org/site/icais2013-committee

Member in Program Committee la International Symposium on Foundations of Open Source Intelligence and Security Informatics **FOSINT-SI 2013**, In conjunction with **ASONAM 2013**,
Niagara Falls, Canada, August 26-27, 2013, http://fosint-si.cpsc.ucalgary.ca/Organization.php

Member in Program Committee la IIAI International Conference on Advanced Applied Informatics (IIAI AAI 2013), August 31 - September 4, 2013, Matsue, Japan, Kunibiki Messe, http://aai2013.iaiai.org/

Member in Program Committee la Track 3: FUZZY SYSTEMS AND KNOWLEDGE MANAGEMENT de la 5-th INTERNATIONAL CONFERENCE ON INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS, **INCoS-2013**, XI`AN, CHINA SEPTEMBER 9 - 11, 2013, http://voyager.ce.fit.ac.jp/conf/incos/2013/committees.html

Member in International Program Committee la 8th International International Symposium on Intelligent Signal Processing, **WISP 2013** Funchal (Madeira), 9-11 September 2013,
http://trivent.hu/WISP2013/index.php?p=chairs

Member in Program Committee la The 8th conference of the European Society for Fuzzy Logic and Technology ,**EUSFLAT-2013**, 11-13 September 2013, Milano, Italy,
http://www.ir.disco.unimib.it/eusflat2013/committees/

Member in Program Committee la 8th International Conference on Soft Computing Models in Industrial and Environmental Applications, **SOCO13**, 11-13 September 2013, Salamanca, Spain,
http://soco.usal.es/?q=node/3

Member in Program Committee la 5th ICT Innovations Conference 2013, Ohrid, Macedonia, 12-15 Septembrie 2013, http://ict-act.org/index.php/programme-committee

Member in Technical Committee la THE 4th INTERNATIONAL CONFERENCE
CONFLUENCE 2013**,** The Next Generation Information Technology Summit, 26th - 27th Sept. 2013**,** Amity University Uttar Pradesh, India, http://www.amity.edu/asetau/confluence2013/committees.html

Member in Program Committee la The 2013 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'13) will be co-located with WI'2013 and will be held in Atlanta, Georgia, USA on November 17-20, 2013, http://www.cs.gsu.edu/wic2013/

Member in Scientific Program Committee la **WILF 2013** 10th International Workshop on Fuzzy Logic and Applications, Casa Paganini - Genoa (Italy) - November 19-22, 2013
https://sites.google.com/site/2013wilf/

Member in Advisory Committee la World Congress & 6th International Conference on Emerging Trends in Engineering & Technology, **ICETET 2013,** December5-7, 2013, Nagpur, India.
Membra in International Advisory Committee la 8th International Conference on Intelligent Systems and Control Theme: Green Challenges and Smart Solutions, ISCO 2014, 10-11 January 2014, Coimbatore, Tamilnadu, India, http://www.kceisco.com/committeemembers.php

Member in International Advisory Board la International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Sciences (ICIREMPS) – 2014, 20 – 22, February 2014, Bhopal, India, http://sirtbhopal.ac.in/iciremps/int_adv_board.html

Member in International Technical Committee la International Conference on Research&Development in Computational and Information Technology, ICRDCIT-2014, 7-8 March 2014, Gaizabad, India,

http://www.icrdcit14.in/international-technical-committee.html

Member în Technical Program Committee la The first International Symposium on Signal Processing and Intelligent Recognition Systems SIRS-2014, March 13-15, 2014, Thiruvananthapuram, Kerala, India,
http://www.iiitmk.ac.in/sirs/ipc.html

Member in Advisory Committee la INTERNATIONAL CONFERENCE 2014 POWER AND ENERGY SYSTEMS: TOWARDS SUSTAINABLE ENERGY (PESTSE 2014), Martie 13-15, 2014, Amrita School of Engineering, Bangalore, India,
http://www.eventm.net/pestse2014/ADVISORY%20COMMITTEE?cplid=18&parent=2

Member in International Advisory Committee la International Conference
On Recent Trends in Engineering and Management Science (RTEM 2014), 20th April, 2014, Nagpur, India,
http://icemnagpur.co.in/Brochure.pdf

Member in International Advisory Committee la International conference On Applications of Artificial Intelligence and Soft Computing, Techniques in Engineering and Technology (AASTE-2014), 27th April, 2014, Goa, India, http://aaste.bigdataforum.in/Brochure.pdf

Member in International Advisory Committee la International Conference on Advances in Computing, Communications and Informatics(ICACCI 2014), 30th April, 2014, Chennai, India,
http://irdindia.in/apr_chennai14_icacci/brochure.pdf

Member in International Advisory Committee la International Conference on Advanced Electrical Engineering and Computer Theory – ICAEECT – 2014, 4th May 2014, Ooty, Tamilnadu, India,
http://icaeect.co.in/Brochure.pdf

Member in International Advisory Committee la IEEE International Sympozium on Applied Computational Intelligence and Informatics, SACI 2014, 15-17 May 2014, Timisoara, Romania, http://conf.uni-obuda.hu/saci2014/SACI2014_CFP.pdf

Member in International Advisory Committee la International Conference on Electrical, Electronics and Computer Science Engineering (ICEECSE-2014) 2th May, 2014, Pune, India,
http://itsocietyindia.org/Pune_ICEECSE_May/Brochure.pdf

Member in Program Committee la INISTA 2014 International Symposium on INnovations in Intelligent SysTems and Applications June 23-25, 2014, Alberobello, Italy,
http://www.inista.org/committees.php

Member in Technical Program Committee la 18th International Conference on Intelligent Engineering Systems 2014, INES 2014, July 3-5, 2014 in Tihany, Hungary, http://www.ines-conf.org/ines-conf/2014.html

Member in Program Committee la WCCI – World Congres on Computational Intelligence, 2014 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2014, 6-11 July 2014, Beijing, China, http://www.ieee-wcci2014.org/FUZZ-IEEE%20Program%20Commitee.htm

Member in Committee la 6th International Conference on Networking and Digital Society, ICNDS 2014, July 26-27, 2014, Guiyang, China,

Member in Technical Program Committee la 2nd World Congress on Multimedia and Computer Science WCMCS 2014, 9-11 August, Hammamet, Tunisia, http://worldcmcs.com/OrgCommittees.php

Member in Technical Committee la SAI Conference 2014, Science and Information Conference 2014, August 27-29, 2014, London, UK, http://thesai.org/SAIConference2014/Committees

Member in Technical Program Committee la International Conference on Industrial Automation, Information and Communication Technology, IAICT, 28-30 August 2014, Bali, Indonesia,
http://iaict.org/organizer/comitee/

Member in Technical Program Committee la Science and Information Conference SAI 2014, 27-27 August 2014, London, UK, http://thesai.org/Downloads/SAIConference2014/SAI%20Conference%20Program.pdf

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

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

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

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

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

Member in Technical Program Committee la International Conference of Contemporary Computing and Informatics, 27-29 November 2014, Mysore, Karnataka, India, http://ic3i.org/tpc.html

Membra in Steering Committee la 2014 IEEE 17th International Multi Topic Conference (INMIC 2014), 8-10 December 2014, Karachi, Pakistan, http://ieee.inmic.org/index.php?option=com_content&view=article&id=91&Itemid=70

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

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

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

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

Member in Technical Committee la Third International Conference on Recent Trends in Computing (ICRTC2015) in SRM University, Delhi-NCR Campus on 12th - 13th March, 2015, http://www.icrtc.org/Committee.html

Member in International Program Committee la International Conference on Recent Trends in Technology Research – **ICRTTR 2015**, March 21-22, 2015, Visakhapatnam, India, http://icrttr.in/committees/

Member in Advisory Committee la International Conference on Computational Intelligence 2015 (ICCI 2015), 9-10 April 2015, Sethu Institute of Technology, Kariapatti, Virudhunagar Dt. , Tamilnadu, India, http://sethu.ac.in/icci/committee.html

Member in Technical Program Committee la The First International Conference on Big Data, Small Data, Linked Data and Open Data, ALLDATA 2015, April 19 - 24, 2015 - Barcelona, Spain, http://www.iaria.org/conferences2015/ComALLDATA15.html

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

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

Member in Scientific Committee la The 20th International Conference on Control Systems and Computer Science (CSCS20-2015) Bucharest, Romania, May 27-29, 2015, http://cscs20.acs.pub.ro/committees-2/

Member in Program Committee la 2ND INTERNATIONAL DOCTORAL SYMPOSIUM ON APPLIED COMPUTATION AND SECURITY SYSTEMS, ACSS 2015, MAY 2015, KOLKATA, INDIA, http://acss.cucse.org/committee.html

Member in Technical Program Committee la "The 13th International Conference on Engineering of Modern Electric Systems", 11-12 June 2015, in Oradea, Romania, http://www.icemes.ro/emes_15_tpc.html

Member in International Program Committee la 4th International Conference on Informatics,

Electronics & Vision (ICIEV), 15~18 June, 2015, Kitakyushu International Conference Center, Fukuoka, Japan, http://cennser.org/ICIEV/committee.html

Member in Technical Program Committee la The 3rd International Symposium on Women in Computing and Informatics (WCI-2015), 10-13 August 2015, Kochi, India, http://icacci-conference.org/web/wci-committee

Member in Technical Program Committee la 12th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'15), 15-17 August 2015 in Zhangjiajie, China, http://icnc-fskd.hnu.edu.cn/program_committees.htm

Member in Technical Program Committee la International Conference on Control, Electronics, Renewable Energy, and Communications 2015, ICCEREC 2015, 27-29 August 2015, Bandung Indonesia, http://iccerec.org/?page_id=10

Member in Program Committee la 7th Balkan Conference in Informatics, BCI 2015, September 2-4, 2015, Craiova, Romania, http://bci2015.bci-conferences.org/pc.html

Member in Program Committee la 2015 IEEE International Symposium on INnovations in Intelligent SysTems and Applications, September 2-4, 2015, Madrid, Spain, http://www.inista.org/committees.php

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

Member in Technical Program Committee la the 2015 European Intelligence and Security Informatics Conference (EISIC 2015), September 7-9, 2015, in Manchester, United Kingdom, http://www.eisic.org/committee.aspx

Member in International Program Committee la 19th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, KES 2015, 9-11.09 2015, Singapore, http://kes2015.kesinternational.org/cmsIPCdisplay.php

Member in Program Committee la 7th ICT Innovations Conference, Ohrid, Macedonia, 1-4 October, http://ictinnovations.org/ict-innovations-2014/programme-committee

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

Member in Technical Program Committee la International Conference on Mechanics & Applied Physics, from 05-07 November, Rome, Italy, http://www.icmaph.org/?page_id=757

Program Area Chair to 27th International Conference on Tools with Artificial Intelligence, November 9-11, 2015, Vietri sul Mare, Italy, https://sites.google.com/site/ictai2015italy/committees

Member in International Program Committee la International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2015), 20-22 November 2015, Kolkata, India, http://www.icrcicn.in/committee.html

Member in International Program Committee la 7th World Congress on Nature and Biologically Inspired Computing, Pietermaritzburg , Sounth Africa, 1-3 December 2015, http://www.mirlabs.net/nabic15/committees.php

Member la 2015 IEEE Symposium Series on Computational Intelligence SSCI, Symposium on Foundations of Computational Intelligence, FOCI'15, IEEE, 7–10 December 2015, Cape Town, South Africa, http://ieee-ssci.org.za:8080/FOCI

Member in Technical Program Committee la 2016 IEEE First International Conference on Control, Measurement and Instrumentation (CMI 2016), January 8-10 2016, Kolkata, India, https://www.cmi2016india.org/technical-programme-committee.html

Member in Steering Committee la PESTSE-2016, Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy 2016, 21-23 January 2016. Bangalore, India. https://www.amrita.edu/site/pestse2016/steeringcomm.htm

Member in Technical Committee la   2nd ICICT 2016 (Sponsored by :IEEE-UP Section) *Second-International Conference on Computational Intelligence and Communication Technology* 12-13 February 2016, ABES Engineering College, Ghaziabad, http://cict.abes.ac.in/committee.php

Member in Internationaly Advisory Board la the IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI 2016), May 12-14, 2016 in Timisoara, Romania, http://conf.uni-obuda.hu/saci2016/committees.html

Member in Program Committee la 2016 International Symposium on Innovations in Intelligent Systems and Applications, 2-5 August 2016, Sinaia, Romania, http://www.inista.org/pc.html

Member in International Advisory Committee la India International Conference on Information Processing-2016, Delhi, 12-14, August, 2016, http://dtu.ac.in/iicip-2016/committee.html

Member in Steering Committee la India International Conference on   Information Processing 2016, Delhi, 12-14 August 2016, http://dtu.ac.in/iicip-2016/committee.html

Member in International Program Committe la IEEE 8th International Conference on Intelligent Systems: acronym IEEE IS'16, Sofia, Bulgaria, September 4-6, 2016, http://www.ieee-is.org

Member in Technical Program Committee la International Conference on Control, Electronics, Renewable Energy, and Communications 2016 (ICCEREC 2016), 13-15 September 2016, Bandung Indonesia, http://iccerec.org/?page_id=10

Member in Technical Program Committee la 4th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2016), 22-24 September 2016, Rourkela, Odisha, India, http://www.icacni.com/committee

Member in Technical Program Committee la SAI Intelligent Systems Conference, 20-22 Septembrie 2016, Londra, UK, http://saiconference.com/IntelliSys2016/Committees

Member in Technical Committee la The International Conference on Engineering & MIS 2016 will take place in Agadir, Morocco, 22-24 September, 2016, http://www.iares.net/Committee

Member in International Program Committee la The 2nd International Conference on Advanced Intelligent Systems and Informatics (AISI'16) Cairo Univeristy, Egypt October 24-26, 2016, http://egyptscience.net/AISI2016/committees.html

Member in Technical Program Committee la Future Technology Conference FCT 2016, 6-7 Decembrie 2016, San Francisco, USA, http://dtu.ac.in/iicip-2016/index.html

Reviewer

- for papers at the International Conference on Information Processing and Management of Uncertainty in Knowledge-based Systems, IPMU2004, 2006, 2008,IEEE SOFA 2005, SOFA 2007, SOFA 2009, SOFA 2010; SOFA 2012, SOFA 2014 WSEAS 2006, 2007, 2008, 2009, 2010, 2011, 2012; KCC 2006, Orlando, Florida; RASC 2006, Canterbury, Agricom 2007, INES, ICETET 2008, ICETET 2009 India, SACI 2009, CONTI 2010, EST, 2012, SIMPADA 2012, EISIC 2012, FOSINT 2012, PECON 2012, SMC 2012, ICEDSA 2012, etc.

- for International Journals: International Journal of Hybrid Intelligent Systems, Information Fusion, IEEE Transactions on Fuzzy Systems, Journal of Intelligent and Fuzzy Systems, Applied Informatics, Neural Computing and Applications, Neurocomputing, IEEE Transactions on Systems Man and Cybernetics –A, B, IEEE Transactions on Industrial Electronics, IEEE Transactions on Industrial Informatics, IJCCC, Soft Computing, Nonlinear Dynamics, Acta Polytechnica Hungarica, Journal of Function Spaces and Applications, The Asia-Pacific Education Researcher (TAPER), Neural Computing and Applications, Journal of Applied Mathematics, Journal Information, etc.

Chair to the Panel Session PAN4: Fuzzy Logic Control : Present, Future, and New Directions
> Wednesday, July 25, 2:00PM-3:30PM, *Chair*: Hani Hagras and Valentina Balas
> *Panelists*: Piero Bonissone, Gary Feng, Dimitar Filev, Hans Geering, Jan Jantzen, Reza Langari, Abe Mamdani, Hiroshi Nakajima, Michio Sugeno, Kazuo Tanaka

Panelist of a a Panel Session PAN4 of the Conference FUZZ-IEEE 2007, London, http://www.fuzzieee2007.org/panels.php
> Panel Session PAN6: Decision Analysis and Decision Support - The Need for Fuzzy Logic and Soft Computing
> Tuesday, July 24, 5:15PM-6:30PM, *Chair*: Janusz Kacprzyk
> *Panelists*: Valentina Balas, Christer Carlsson, Shyi-Ming Chen, Raija Koivisto, Lotfi Zadeh

Invited speaker:
> 17 august 2004 – invited conference to Summer School Arad-Moneasa, 2004 – Valentina E. Balas ,*"40 de ani de la apariţia Logicii Fuzzy şi legatura cu Teoria Sistemelor"*

> 24 iulie 2005 – invited conference to Summer School Arad-Moneasa, 2005 – Valentina E. Balas, *"Estimation de ressources dans un budget"*.

> 19 iulie *2006* – two invited conferences to Summer School Arad-Moneasa, 2006 – Valentina E. Balas *"Voice Emotional Evaluation" şi "Biometrics"*.

> V. E. Balas - International Workshop on "System Science and Engineering", 2nd November 2007, Taipei, Taiwan, Department of Electrical Engineering, National Taiwan University of Science and Technology – Valentina E. balas *Design of Intelligent Information Systems: Reasoning and Practical Applications,* Travel Grant *http://www.ee.ntust.edu.tw/SSE/SSE_workshop.htm*

> Invited conference VIPSI = VIP Symposia on Internet related research with elements, Internetconferences.net, IPSI Belgrad, 2008, 3-6 April 2008, Opatia, Valentina E. Balas, *Knowledge Engineering and Practical Applications at "Aurel Vlaicu" University of Arad*, http://internetconferences.net/ipsi/specific.php?spec=267 http://internetconferences.net/ipsi/conference.php?conf=80

Invited conference ICCC 2008, International Conference on Computers, Communications and Control, Felix Spa Romania, May 15-17 2008, *Constant Time to Collision* Platoons, Valentina E. Balas, Marius M. Balas http://www.iccc.univagora.ro/?page=acceptedpapers Full text is published in I. Dzitac, F.G. Filip, M.-J. Manolescu (eds), Proceedings of ICCCC 2008, in IJCCC, Vol.III (2008), suppl. issue, pp. 33-39, ISI.

Invited conference ICCC 2008, International Conference on Computers, Communications and Control, Felix Spa Romania, May 15-17 2008, *World Knowledge for Control Applications by Fuzzy-Interpolative Systems,* Marius M. Balas, Valentina E. Balas*,* http://www.iccc.univagora.ro/?page=acceptedpapers ; Full text is published in I. Dzitac, F.G. Filip, M.-J. Manolescu (eds), Proceedings of ICCCC 2008, in IJCCC, Vol.III (2008), suppl. issue, pp. 28-32, ISI.

Invited conference 7th International Conference on Global Research and Education, Inter-academia, 15-18 September, 2008, Pecs, Hungary, Valentina E. Balas, Marius M. Balas, *The Educational Aspect of the Fuzzy-Interpolative Systems*, http://www.trivent.hu/IA2008/Program.html

Invited conference, Universitatea din Gyor – Szechenyi Istvan Egyetem, 23 Martie 2009, Gyor, Hungary, Valentina E. Balas, *World knowledge for sensors by internal models and fuzzy techniques,* *http://mtk.sze.hu/content/view/13/20/lang,hu/ , http://mtk.sze.hu/content/view/13/20/lang,en/*

Invited conference, Valentina E. Balas, *Fuzzy Techniques for Sensors,* în Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, 2009, Plenary Lecture 2, pag.10, ISBN: 978-960-474-066-6, ISSN: 1790-5109, http://www.wseas.org/conferences/2009/prague/fs/index.html

Invited Conference, Valentina E. Balas, Marius M. Balas, *A Sustainable Feeding System for our Future: the Passive Greenhouse*, Proceedings of the WSEAS International Conference, 11th WSEAS International Conference on Sustainability in Science Engineering (SSE '09), Timisoara, Romania, May 27-29, 2009, pag. 15.

Invited poster, Valentina E. Balas – *Automation and Intelligent Systems – research program in Aurel Vlaicu University*, WIRES 2009 – Women's International Research Engineering Summit, Connecting Women and Completing the Circuit of International Research Collaboration, June 2-4, Barcelona, Spain, pag. 39.

http://www.wires.gatech.edu/   , *http://www.wires.gatech.edu/resources/program_and_participant_directory.pdf*

Invited conference, Valentina E. Balas si Marius M. Balas - *A Sustainable Agricultural System: The Passive Greenhouse* la National Kaohsiung University of Applied Sciences, Taiwan, 09.11.2010

Invited conference, Valentina E. Balas - *The Passive Greenhouse* – International Conference on System Science, Engineering ICSEM 2010, 12-14 November 2010, Yichang, China, http://www.sem-conf.org/10.html

Invited conference "International Collaboration on Fuzzy Control and Smart Sensors in Greenhouses", WIRES 2011 (Women's International Research Engineering Summit), 30 Martie - 2 Aprilie 2011, http://wires.gatech.edu/main.php, http://wires.gatech.edu/resources/WIRES2-program.pdf

Invited conference "Fuzzy Methodologies and Applications in Transportation ", **FEIT 2011**, 2011 International Joint Conference on Fuzzy Engineering and Intelligent Transportation (FEIT 2011) **Xi'an**, China **10-11, December 2011**, http://feit-conf.org/program.html http://it.chd.edu.cn/web/NewsView.aspx?BigClassID=15&NewsContentID=1112,

Invited Seminar – **"**Research Directions using Intelligent Paradigms in "Aurel Vlaicu" University of Arad" **to National University of Singapore**, **NUS,** Faculty of Engineering, Department of Electrical and Computer Engineering, Singapore, 12, ianuarie, 2012, http://www.ece.nus.edu.sg/events/seminars.html http://www.ece.nus.edu.sg/events/seminars/sem-details2611new.asp?sid=185

Invited Seminar - "Computational Intelligence-Based Research in Aurel Vlaicu University of Arad" la **Nanyang Technological University of Singapore, NTU**, School of Electrical & Electronic Engineering, Infinitus, Infocomm Centre of Excellence, 13 ianuarie, 2012, http://www.infinitus.eee.ntu.edu.sg/Pages/Home.aspx http://www.infinitus.eee.ntu.edu.sg/Events/Pages/2012Seminars.aspx http://www.infinitus.eee.ntu.edu.sg/Pages/Print.aspx?page=http://www.infinitus.eee.ntu.edu.sg/Events/Pages/2012Seminars.aspx

Keynote Speaker – "**Advanced Intelligent Computing Methodologies and Applications",** The Six

International Conference on Genetic and Evolutionary Computing, **ICGEC 2012,** 25-28 August 2012, Kitakyushu, Japan, http://bit.kuas.edu.tw/~icgec12/keynote.html

Invited Speaker– "*Soft Computing-Based Research in "Aurel Vlaicu" University of Arad Methodologies and Applications* ",The 2012 International Conference on Information Management, Innovation Management and Industrial Engineering, **ICIII2012**, China, Sanya, 20-21 Oct. 2012, http://www.iciii-conf.org/
http://www.iciii-conf.org/keynotes.htm

 Invited Speaker to **Workshop on Computational Intelligence in Honor of László T. Kóczy** on his 60th Birthday, November 22, 2012, Obuda University, Hungary.

Invited Speaker to AISC 2012 – Artificial Intelligence and Soft Computing, On the eve of 150th Birth anniversary of Pt. Madan Mohan Malviya Ji, founder of BHU, Varanasi and 25th year of Graduation of Alumni of Department of Computer Engineering, IIT (BHU) Varanasi 7-9 Decembrie 2012, India, http://iitbhu.ac.in/conferences/cse/aisc2012/

Invited Speaker " New Advanced Intelligenge Paradigms" la ICGITS 2013 – International Conference on Global Innovations in Technology and Sciences, 4-6 April 2013, Kottayam, India, http://www.icgits.org/
26. Seminar invitat "Recent advances in soft computing applications" – Valentina E. Bălaş, la College of Information Science and Engineering, Ritsumeikan University, Shiga, Japan, 11-14 Septembrie 2013.

Tutorial – "Fuzzy Systems" – Valentina E. Balaş, 16-18 Decembrie 2013, G.H.Raisoni College of Engineering, Nagpur, India http://icetet.org/technical_program.html

Invited Speaker to 6th International Conference on Emerging Trends in Engineering & Technology, ICETET 2013, 16-18 December, Nagpur, India, Plenary Talk" Advanced Computational Intelligence-Based Research", http://icetet.org/technical_program.html http://www.nagpurtoday.in/6th-international-conference-on-emerging-trends-in-engineering-technology-from-dec-16-18-2013/

Invited Speaker to Kalasalingam University, Tamil Nadu, India, 29 ianuarie, 2014, " New Directions in Intelligent Systems: Reasoning and Applications"- Valentina E. Balas.

Invited talk to Optimization in Engineering (OPTENG2014), 29-31st May, 2014, Bankura Unnayani Institute of Engineering, Bankura, West Bengal, India, Advanced Soft Computing Methodologies and Practical Applications.

Keynote Speaker and Session Chair to the 7th International Conference on Information Management, Innovation Management and Industrial Engineering (ICIII2014), 25-26 October 2014, Xi'an, CHINA, http://www.iciii-conf.org/keynotes.htm

The 18th World Conference on Soft Computing and Industrial Applications, World Wide Web 1-12 December 2014, **WSC 18**, *Practical Applications of Soft Computing Techniques,* Invited Speakers: Valentina and Marius Balas, http://www.fti.itb.ac.id/wsc18/keynote/

IEEE 17th International Multi Topic Conference **INMIC 2014**, Bahria University, Karachi December 8-10, 2014, Pakistan, Special Guest Lecture - *Soft Computing Methods and Modeling,* http://ieee.inmic.org/index.php?option=com_content&view=article&id=96&Itemid=72

Grant International - Plenary Panelist, Title: The future development and challenges of ICT, Valentina and Marius Balas to International Computer Symposium, December 12-14, 2014, Tunghai University, Taichung, Taiwan

Healthy World Conference 2015, 5-7 September 2015, Kakinada, India, Invited talk: *Electronics and its applications in Health Care*, http://www.hwc2015.org/docs/HWC2015Brochure.pdf

 2015 International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2015), Xi'an, CHINA, December 12-13, 2015, Invited Speaker: *Automatic control of the traffic flow*, http://itits.chd.edu.cn/cp.htm

 The International Conference on Computational intelligence and communication technology (ICICT-2016), 12-13 February, 2016 Ghaziabad, India , http://cict.abes.ac.in/speaker.php

Other activities

- She invited Professor Lotfi A. Zadeh from Berkeley University California in Romania and has organized the ceremony for the DrHC of Aurel Vlaicu University of Arad in 03.07.2003.
- She invited Prof. Michio Sugeno in Romania at „Aurel Vlaicu" University of Arad and has organized three seminars in November 2006.
- She invited Professor Veljko Milutinovic from Belgrade University at „Aurel Vlaicu" University of Arad and has organized a seminar in May 2007.
- She invited Prof. Laszlo Koczy from Budapest University and has organized a seminar in May 2008.
- She invited Professor Lakhmi C. Jain from South University of Australia – Adelaide at „Aurel Vlaicu" University of Arad and has organized a seminar in August 2008.
- She co-organized the II, III and IV-th editions of the Summer School of Arad - with international participation, in English, at Arad and Moneasa in 2003, 2004, 2005 and 2006 by projects supported by the County Council Arad - the Culture Centre.
- From 2006 she was nominated in 20 commissions as internal or external evaluator of doctoral thesis in Romania, India, Australia, Finland.
- From 2009 she was nominated as referent in several commissions of doctoral thesis in India and Australia.
- She is coordinating the Automate and Industrial Software Dpt. of the Engineering Faculty of Aurel Vlaicu University of Arad.
- Award: Diploma from IEEE Romania Section – 2005
- Award: Diploma from IEEE Romania Section – 2007
- Award: Diploma from IEEE Romania Section – 2009
- Award: Diploma from IEEE Romania Section – 2011
- September 2007 – CHC_{61} - Honorable Mention Award, from The IEEE Computer Society Web Programming Competition, for the project „ 50 Years of Computing in Romania"
- Award: Diploma for excellence in research from Aurel Vlaicu University – 2015
- She invited Professor Bernadette BOUCHON-MEUNIER from Sorbonne Universités, University Pierre et Marie Curie-Paris 6, IEEE Fellow - as an IEEE Distinguished Lecturer of IEEE Computational Intelligence Society, October 2016.

Arad, 31.10.2016

Professor , Ph.D. **Valentina E. Balas**