

WCCI 2012

Special Session: Recent Advances in Fuzzy and Intelligent Systems and Applications

**FUZZ-IEEE'2012, at [WCCI'2012](#)
Brisbane, Australia, June 10-15, 2012**

Session organizers

Valentina E. Balas and Lakhmi C. Jain

Scope

This special session aims to provide new developments in fuzzy logic, ranging from the strictly theoretical to the latest applications and also focused on the reasoning-based design of intelligent systems and practical applications of soft computing paradigms in complex system design.

The papers in this session presents the most recent developments in the field of intelligent systems with focus on industry, health, education, psychology, risk detection, man-machine communication, law and those which are trans-disciplinary.

We strongly encourage submissions from women and young researches and hope they will have the opportunity to build relationships as well as to discover a new face of computational intelligence.

Keywords: Fuzzy systems, expert systems, knowledge based systems, intelligent systems

Topics of interest include, but are not limited to:

- Fuzzy techniques and systems
- Knowledge engineering applications
- Expert systems
- Medical engineering
- Intelligent decision making
- Financial forecasting
- Intelligent data analysis
- e-Learning and teaching
- Social intelligence
- Fault detection
- Data mining

Submissions: details and dates. Papers should be submitted electronically. For details on submissions and for the deadlines, please refer to [the WCCI'2012 website](#). Select the correct special session AND notify the chairs of your submission by sending email to: balas@drbalas.ro and/or Lakhmi.jain@unisa.edu.au

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Authors biographies:

Valentina E. Balas is currently an Associate Professor in the Department of Automatics and Applied Software at the Faculty of Engineering, “Aurel Vlaicu” University of Arad, Romania. She holds a Ph.D. in Applied Electronics and Telecommunications from Polytechnic University of Timisoara. She is author of more than 140 research papers. Her research interests are in Intelligent Systems, Fuzzy Control, Soft Computing. Dr. Balas is Editor-in Chief to *International Journal of Advanced Intelligence Paradigms (IJAIP)* and serves as reviewer for many International Journals and as general co-chair for SOFA conferences. She is a member of EUSFLAT, ACM and a Senior Member IEEE, member in TC – Fuzzy Systems, in TC - Emergent Technologies, in TC – Soft Computing, member in IFAC - TC 3.2 - CI in Control.

Lakhmi C. Jain is a Director/Founder of the Knowledge-Based Intelligent Engineering Systems (KES) Centre, located in the University of South Australia. He is a fellow of the Institution of Engineers Australia. His interests focus on the artificial intelligence paradigms and their applications in complex systems, art-science fusion, e-education, e-healthcare, unmanned air vehicles and intelligent agents.

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