



Brisbane Convention & Exhibition Centre
Brisbane, Australia
June 10, 2012 - June 15, 2012

2012 IEEE International Conference on Fuzzy Systems

The annual IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) will be held jointly with the International Joint Conference on Neural Networks (IJCNN) and the IEEE Congress on Evolutionary Computation (IEEE CEC) as part of the 2012 IEEE World Congress on Computational Intelligence (IEEE WCCI), June 10-15, 2012, International Convention Centre, Brisbane, Australia. Cross-fertilization of the three technical disciplines and newly emerging technologies is strongly encouraged.

Call for Contributed Papers

The annual FUZZ-IEEE is one of the leading events in the field of fuzzy systems. It covers all topics in fuzzy systems including:

Fuzzy logic and fuzzy set theory
Lattice theory and multi-valued logics
Approximate reasoning
Type-2 fuzzy logic
Rough sets and random sets
Fuzzy mathematics
Possibility theory and imprecise probability
Fuzzy decision making and decision support systems
Fuzzy optimization and design
Fuzzy man-machine interfaces, emotional computing
Fuzzy computing with words, granular computing
Fuzzy systems for agent technology
Hybrid fuzzy systems (fuzzy-neuro-evolutionary)
Fuzzy image and multimedia processing
Medical, financial, industrial applications

Fuzzy document retrieval systems, text mining
Fuzzy systems for natural language processing
Fuzzy information processing
Fuzzy and rough data analysis, fuzzy statistics
Fuzzy data mining and forecasting
Fuzzy systems modeling and identification
Fuzzy control and intelligent systems
Fuzzy systems for robotics
Fuzzy pattern recognition
Fuzzy clustering
Fuzzy systems architectures and hardware
Fuzzy web intelligence
Fuzzy sets in bioinformatics
Fuzzy databases, fuzzy data summarization
Emerging areas

FUZZ-IEEE 2012 will feature a world-class conference that aims to bring together researchers and practitioners in the field of fuzzy systems and computational intelligence from all around the globe. Technical exchanges within the research community will encompass keynote lectures, special sessions, tutorials and workshops, panel discussions as well as poster presentations. In addition, participants will be treated to a series of social functions, receptions, and networking to establish new connections and foster everlasting friendship among fellow counterparts

Prospective authors are invited to contribute high-quality papers to FUZZ-IEEE 2012. All papers are to be submitted electronically through the IEEE WCCI 2012 website <http://www.ieee-wcci2012.org/>.

For FUZZ-IEEE inquiries, please contact Conference Chair Bernadette Bouchon-Meunier:

Bernadette.Bouchon-Meunier@lip6.fr

For Program inquiries please contact Program Chair James M. Keller: KellerJ@missouri.edu.

Sponsors

IEEE WCCI Sponsor

IEEE Computational Intelligence Society (CIS)

IEEE CEC

IEEE Computational Intelligence Society (CIS)

Previously sponsored by the former Evolutionary Programming Society and the Institution of Engineering and Technology



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Important Dates

Competition proposals submission deadline

October 17, 2011

Special sessions proposal submission deadline

November 21, 2011

Special session decision notification

November 28, 2011

Paper submission deadline

December 19, 2011

Tutorial and Workshop proposal submission deadline

January 16, 2012

Tutorial and Workshop decision notification

January 23, 2012

Paper acceptance notification date

February 20, 2012

Final paper submission deadline

April 2, 2012

Early registration

April 2, 2012

Conference dates

June 10-15, 2012

Call for Special Sessions

The FUZZ-IEEE 2012 Program Committee solicits proposals for special sessions within the technical scopes of the Congress. Special sessions, to be organized by international recognized experts, aim to bring together researchers in special focused topics. Papers submitted for special sessions are to be peer-reviewed with the same criteria used for the contributed papers. Proposals should include the session title, a brief description of the scope and motivation, biographic and contact information of the organizers. Researchers interested in organizing special sessions are invited to submit formal proposal to the Special Session Chair:

Laszlo T. Koczy at koczy@tmit.bme.hu.

Call for Tutorials and Workshops

FUZZ-IEEE 2012 will also feature pre-Congress tutorials and workshops, covering fundamental and advanced topics on fuzzy systems. A tutorial or workshop proposal should include title, outline, expected enrollment, and presenter/organizer biography. We invite you to submit proposals to the Tutorial and Workshop Chair:

Scott Dick at dick@ee.ualberta.ca.

Call for Competitions

FUZZ-IEEE 2012 will host competitions to stimulate research in fuzzy systems, promote fair evaluations, and attract students. The proposals for new competitions should include descriptions of the problems addressed, motivations and expected impact on fuzzy systems, data description, evaluation procedures and established baselines, schedules, anticipated number of participants, and a biography of the main team members. We invite you to submit proposals to the Competitions Chair:

Simon Lucas at sml@essex.ac.uk.

General Enquires for IEEE WCCI 2012 should be sent to the General Chair:
Hussein Abbass at h.abbass@adfa.edu.au