



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

2012 IJCNN International Joint Conference on Neural Networks

The annual International Joint Conference on Neural Networks (IJCNN) will be held jointly with the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) 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, Brisbane Convention & Exhibition Centre, Brisbane, Australia. Cross-fertilization of the three technical disciplines and newly emerging technologies is strongly encouraged.

Call for Contributed Papers

The annual IJCNN is the premier international conference in the field of neural networks. It covers all topics in neural networks including, but is not limited to:

Neural network theory & models
Learning and adaptation
Cognitive models
Brain-machine interfaces
Neural control
Evolutionary neural systems
Neurodynamics and complex systems
Neuroinformatics
Neural hardware
Neural network applications
Neuroengineering

Computational neuroscience
Pattern recognition
Machine vision and image processing
Collective intelligence
Hybrid systems
Self-aware systems
Data mining
Sensor networks and intelligent systems
Applications
Computational biology
Bioinformatics

IJCNN 2012 will feature a world-class conference that aims to bring together researchers and practitioners in the field of neural networks 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 IJCNN 2012. All papers are to be submitted electronically through the IEEE WCCI 2012 website <http://www.ieee-wcci2012.org/>.

For IJCNN inquiries please contact Conference Chair: Cesare Alippi at cesare.alippi@polimi.it
For Program inquiries please contact Program Chair: Kate Smith-Miles at kate.smith-miles@sci.monash.edu.au

Sponsors

IEEE WCCI Sponsor
IEEE Computational Intelligence Society (CIS)

IEEE IJCNN Joint Sponsor
IEEE Computational Intelligence Society (CIS)
International Neural Network Society (INNS)



IJCNN Organization Committee

Conference Chair
Cesare Alippi, Italy

Program Chair
Kate Smith-Miles, Australia

Technical Co-Chairs
Derong Liu, China

Pablo A. Estévez, Chile

Kay Chen Tan, Singapore

James Tin-Yau Kwok, Hong Kong

Ke Chen, UK

Robert Kozma, USA

Neuroscience liaison
Ali Minai, USA

Special Sessions Chair
Brijesh Verma, Australia

Tutorial Chair
Haibo He, USA

Competitions Chair
Sung-Bae Cho, Korea

Call for Special Sessions

The IJCNN 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:

Brijesh Verma at b.verma@cqu.edu.au.

Call for Tutorials

IJCNN 2012 will also feature pre-Congress tutorials, covering fundamental and advanced neural network topics. A tutorial proposal should include title, outline, expected enrollment, and presenter/organizer biography. We invite you to submit proposals to the Tutorial Chair:

Haibo He at he@ele.uri.edu

Call for Competitions

IJCNN 2012 will host competitions to stimulate research in neural networks, promote fair evaluations, and attract students. The proposals for new competitions should include descriptions of the problems addressed, motivations, expected impact on neural networks and machine learning, 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:

Sung-Bae Cho at sbcho@yonsei.ac.kr.

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

General Enquires for IEEE WCCI 2012 should be sent to the General Chair:
Hussein Abbass at hussein.abbass@gmail.com