

Call for Abstracts
2011 International Joint Conference on Neural Networks – IJCNN 2011
San Jose, California
July 31 - August 5, 2011

Abstract submissions are invited for a special **Neuroscience and Neurocognition Track** at IJCNN 2011. The abstracts *must* focus on areas broadly related to neurobiology, cognitive science and systems biology, including – but not limited to – the following:

- * Computational neuroscience.
- * Computational models of perception, cognition and behavior.
- * Models of learning and memory.
- * Brain-machine interfaces and neural prostheses.
- * Brain-inspired cognitive models.
- * Neuroinformatics.
- * Neuroevolution and development.
- * Models of neurological diseases and treatments
- * Systems and computational biology.

Recognizing that some of the most exciting current research in neural networks is being done by researchers in neuroscience, psychology, cognitive science, and systems biology, the abstracts program seeks participation from the broader community of scientists in these areas by offering an accessible forum for the interdisciplinary exchange of ideas. It will also provide researchers – especially doctoral students and postdocs – with an opportunity to showcase ongoing research in advance of its publication in journals.

Abstracts must be no longer than **500 words** plus as many as 5 bibliographic citations. No figures or tables can be included. Abstracts should be submitted through the IJCNN online submission system by **February 1, 2011**.

Unlike full papers, abstracts will receive only limited review to ensure their appropriateness for IJCNN and consistency with the focus areas of the abstracts program. Authors of accepted abstracts will be guaranteed a poster presentation at the conference. The authors of a limited number of exceptionally high-quality abstracts will be invited to give oral presentations, and possibly to submit full papers for the IJCNN 2011 special issue of the Elsevier journal, *Neural Networks*. Abstracts will not be included in the conference proceedings, but will be published on-line by the International Neural Network Society along with abstracts for all presentations at IJCNN 2011.

For details and updates, please check the conference website: <http://www.ijcnn2011.org>

Chairs of the Organizing Committee:

General Chair: Ali A. Minai (University of Cincinnati)

Program Chair: Hava Siegelmann (University of Massachusetts Amherst)

Technical Co-Chairs: Michael Georgiopoulos (University of Central Florida)

Cesare Alippi (Politecnico di Milano)

IJCNN 2011 is organized jointly by the International Neural Network Society and the IEEE Computational Intelligence Society.