



International  
Neural  
Network  
Society



IEEE  
Computational  
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# Call for Papers

## 2007 International Joint Conference on Neural Networks



August 12-17, 2007

<http://www.ijcnn2007.org>

Orlando, Florida

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The 2007 International Joint Conference on Neural Networks (IJCNN 2007), sponsored by the International Neural Network Society and co-sponsored by the IEEE Computational Intelligence Society, is the premier event in the field of neural networks. It covers all topics in neural network theory and applications, including, but not limited to:

- Neural network models and analysis
- Connectionist cognitive science and cognitive modeling
- Computational neuroscience
- Neuroengineering
- Cognitive robotics, developmental robotics, and neural robotics
- Data analysis and pattern recognition
- Signal processing and image processing
- Neural control
- Neuroinformatics
- Hybrid neural-symbolic, neuro-fuzzy, neuro-evolutionary systems, etc.
- Bayesian models and other graphical models
- Kernel methods
- Learning methods: supervised, unsupervised, and reinforcement
- Approximate dynamic programming and neural network approaches to optimization
- Neural dynamics, complex systems, and chaos
- Hardware implementations of neural networks and neuromorphic engineering
- Neural networks applications (expert systems, embedded systems, data mining, multi-agent systems, financial engineering, bioinformatics, telecommunication, manufacturing, etc.)

IJCNN 2007 will feature world-renowned plenary speakers, state-of-the-art special sessions, moderated panel discussions, pre-conference tutorials, post-conference workshops, regular technical sessions, poster sessions, and social functions.

Prospective authors are invited to submit complete papers of no more than six (6) pages (including results, figures, tables, and references) in IEEE two-column format. Authors should submit their papers in PDF through the online submission system, which will be available at the website: <http://www.ijcnn2007.org>.

### Call for Special Sessions and Panel Discussions

The IJCNN 2007 Program Committee solicits proposals for special sessions and panel discussions within the technical scope of the conference. Special sessions and panel discussions are organized by internationally renowned experts and aimed to bring together researchers in a focused topic. Special sessions and panel discussions have become both a tradition and an important component of the IJCNN. Papers submitted for special sessions or panel discussions are to be peer-reviewed with the same criteria used for contributed papers. Researchers interested in organizing a special session are invited to submit a formal proposal to the Special Sessions chair. Special session or panel discussion proposals should include the session title, a brief description of its scope, motivation, its appeal to the attendees of this conference, organizer names and contact information, and brief CVs of the organizers.

### Call for Pre-Conference Tutorials and Post-Conference Workshops

IJCNN 2007 will feature a number of pre-conference tutorials and post-conference workshops covering fundamental and advanced topics in neural networks (broadly defined). Pre-conference tutorial and post-conference workshop proposals, submitted via e-mail to the Tutorials Chair and Workshops Chair, respectively, are also requested, and should include title, outline, motivation, appeal to the conference attendees, expected enrollment, and organizer biographies.

### Important Dates

Special Session and Panel Discussion Proposals: *December 31, 2006*

Paper Submission: *January 31, 2007*

Pre-Conference Tutorial and Post-Conference Workshop Proposals: *January 31, 2007*

Decision Notification: *March 31, 2007*

Camera-Ready Submission: *April 30, 2007*



Florida  
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Celebrating 20 years  
of Neural Networks!