



Call for Tutorials

2011 International Joint Conference on Neural Networks (IJCNN 2011)

San Jose, California, July 31 – August 5, 2011



IJCNN2011 is organized jointly by the International Neural Network Society (INNS) and the IEEE Computational Intelligence Society (CIS)

The Program Committee for IJCNN 2011 solicits proposals for tutorials aimed at researchers, students and practicing professionals in neural networks and related fields. Tutorials will be held on the first day of the conference on July 31. Each tutorial can be 2 or 4 hours long. Up to sixteen 2-hour tutorial slots are available. Traditionally, tutorials attract a broad range of audience, including professionals, researchers from academia, students, and practitioners, who wish to enhance their knowledge in the selected tutorial topic. Tutorials offer a unique opportunity to disseminate in-depth information on specific topics in neural networks and computational intelligence. IJCNN2011 will emphasize emerging and growing areas of computational intelligence. Appropriate tutorial areas include, but are not limited to the following:

- Foundations of neural networks.
- Computational neuroscience.
- Computational biology.
- Artificial life.
- Cognitive models.
- Brain-machine interfaces.
- Neurodynamics and chaos computing.
- Neuroinformatics and bioinformatics.
- Neuroengineering.
- Neural hardware.
- Pattern recognition.
- Machine vision.
- Collective intelligence and emergence.
- Evolutionary neural systems.
- Hybrid systems.
- Aware computing, self-aware systems.
- Data mining, data-driven applications.
- Sensor networks.
- Agent-based systems.
- Embodied robotics.

The tutorials will be organized by scientists or professionals who have significant expertise in the selected topic and whose recent work has had a significant impact in their field. The format of each tutorial will be up to the moderator, but the focus should be on well-organized, systematic presentations of didactic value. Tutorial organizers should prepare various materials including handouts or electronic resources that will be made available for distribution before or during the tutorial. Setting up specific web pages for tutorials is highly encouraged. Such web pages can be linked to the IJCNN 2011 web page if desired.

Organizers of tutorials with sufficient attendance levels will be offered remunerations ranging between \$300 and \$900 per tutorial based on the final number of registered attendees.

If you are interested in proposing a tutorial, would like to recommend someone who might be interested, or have questions about tutorials, please contact **IJCNN2011 Tutorials Chair Robert Kozma** at: [rkozma *at* memphis *dot* edu](mailto:rkozma@memphis.edu).

Proposals must be submitted electronically by December 15, 2010. The proposal should include the description of the proposed tutorial, an outline of the covered material and the proposed format. The justification should include the potential audience and the timeliness of the given tutorial, as well as the qualifications of the proposer. The proposals will be evaluated and the proposers will be informed on the outcome by January 5, 2011. For more information see <http://www.ijcnn2011.org>.