

Call for Papers: 2007 International Symposium on Neural Networks (ISNN 2007), Nanjing, China, June 3–7, 2007

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2007 INTERNATIONAL SYMPOSIUM ON NEURAL NETWORKS (ISNN 2007)
June 3–7, 2007, Jinling Hotel & Resorts, Nanjing, China
<http://www.acae.cuhk.edu.hk/~isnn2007> or <http://liu.ece.uic.edu/ISNN07>

CALL FOR CONTRIBUTED PAPERS AND SPECIAL SESSIONS (pdf version at
<http://liu.ece.uic.edu/ISNN07/cfp-ISNN07ver8.pdf>)

The Fourth International Symposium on Neural Networks (ISNN 2007) will be held in Nanjing as a sequel of ISNN 2004, ISNN 2005, and ISNN 2006. Nanjing is the old capital of China, a modern metropolitan city with a 2470-year history and rich cultural heritage featuring a relaxing lifestyle and numerous historic and scenery sites. ISNN 2007 aims to provide a high-level international forum for scientists, engineers, and educators to present the state of the art of neural network research and applications in diverse fields. The symposium will feature plenary speeches given by worldwide renowned scholars, regular sessions with broad coverage, and some special sessions focusing on popular topics.

PROGRAM TOPICS

Mathematics of neural systems
Approximation theory
Learning theory
Stability and convergence analysis
Computational neuroscience
Connectionist cognitive science
Feedforward networks
Recurrent neural networks
Self-organizing networks
Cellular neural networks
Fuzzy neural networks
Evolving neural networks
Hybrid neural networks
Associative memories
Learning algorithms
Probabilistic and information-theoretic methods

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Neurodynamics
Kernel methods
Projection pursuit methods
Principal and independent component analysis
Time series analysis
Signal processing and blind source separation
Image processing and computer vision
Data mining
Optimization methods
Pattern recognition
Telecommunications
Power systems
Robotics and control systems
Diagnostics and quality control
Financial engineering
Neuroinformatics and Bioinformatics
Biomedical and industrial applications
Hardware implementation

PAPER SUBMISSION

Prospective authors are invited to submit full-length papers (6 pages normally and