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APNNA Asia Pacific Neural Network Assembly

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Important Dates

Tutorial & Special Session proposal: **April 1, 2006**
 Paper submission deadline: **April 1, 2006**
 Notification of acceptance: **June 1, 2006**
 Final paper submission: **July 1, 2006**

Enquiry and Information

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 Shatin, New Territories, Hong Kong
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HONG KONG



CALL FOR PAPERS ICONIP2006



13th International Conference on Neural Information Processing
 Hong Kong Convention and Exhibition Centre, Hong Kong
 October 3-6, 2006

The Thirteenth International Conference on Neural Information Processing (ICONIP2006) sponsored by the Asia Pacific Neural Network Assembly (APNNA) and organized by The Chinese University of Hong Kong, will be held in Hong Kong on October 3-6, 2006. You are invited to visit this vibrant and dynamic metropolitan to share the progress and research in neural computation, statistical processing, machine learning, and other related topics. ICONIP2006 will include plenary speakers, invited talks, tutorials, special sessions, as well as highly selected oral and poster presentations of refereed papers. In addition, conference social events along with other local attractions will promote interactions among conference delegates.

Paper Submission

Authors are invited to submit research and application papers representing original, previously unpublished work to ICONIP2006. Submissions are solicited in all areas of neural information processing, including (but not limited to) the following:

Neural Network Theory and Models

Mathematics of neural networks; Advanced learning algorithms/models; Neurodynamics; Stability and convergence analysis; Feedforward neural networks; Recurrent neural networks; Evolving neural networks; Self-organizing networks; Reinforcement learning; PCA and ICA; EM algorithm and mixture models; Ensemble learning; Kernel methods and support vector machine

Computational Neuroscience and Cognitive Science

Models of neurons; Simulation of neurons, networks, and systems; Neuroinformatics; Cognitive learning and memory; Attention and consciousness; Language; Emotion and motivation; Perceptual systems

Neural Network Applications

Vision and image processing; Pattern recognition; Auditory processing; Speech processing/recognition; Robotics and control; Biometric and security; Time-series prediction; Financial engineering; Telecommunication; Manufacturing systems; Bioinformatics; Data mining/Web mining; Multimedia and information processing

Hybrid Systems and Hardware

Fuzzy neural systems; Hybrid systems; Genetic algorithms; Evolutionary programming; Reconfigurable systems; Hardware implementation

Web links to supplementary materials (e.g., software, audio, video, etc.) in the manuscripts are encouraged. However, the manuscript must be self-contained and reviewers will not be required to review the supplementary materials.

Accepted papers will be published in Lecture Notes in Computer Science (LNCS) by Springer-Verlag (approval pending). In addition, a special issue on Neural Information Processing will be published in *Neurocomputing* based on selected papers with substantial expansion after further review.

Review Criteria

All paper submissions will be peer-reviewed by at least two reviewers based on significance in contribution, novelty in methodology, technical quality in content, clarity in exposition, and relevance to conference topics.

Paper Format

Submissions must not exceed 10 pages in length in the Acrobat PDF format, including figures, tables, references, and appendices, using a font no smaller than 10 point. The final version of accepted papers will be 10 pages and may be up to 12 pages with extra page charges. All submissions must strictly follow the LNCS style, which is available at: <http://www.springer.de/comp/lncs/authors.html> under "Information for LNCS Authors". Submissions violating these requirements will not be considered.

Submission Instructions

ICONIP2006 accepts only electronic submissions in PDF format until April 1, 2006 at 23:59 pm GMT. The electronic submission site will be open by March 15, 2006.

