

# Second International Symposium on Neural Networks



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## Chongqing, China May 30 - June 1, 2005

### Call for Papers

The Second International Symposium on Neural Networks (ISNN 2005) will be held in Chongqing in southwestern China, as a sequel of [ISNN 2004](#) successfully held in Dalian, China. ISNN 2005 aims to provide a broad international forum for scientists, engineers, and educators working in the areas of neural networks to discuss state-of-the-art science and technologies, and their applications in diverse areas. The symposium will feature plenary speeches given by worldwide renowned scholars, regular sessions with broad coverage, and some special sessions focused on popular topics.

**Topics:** Major topics to be addressed at ISNN 2005 include, but are not limited to the following areas:

#### Neural Network Theory

Mathematics of neural systems  
Learning theory  
Computational neuroscience  
Approximation theory  
Stability and convergence analysis  
Connectionist cognitive science

#### Neural Network Models and Algorithms

Feedforward neural networks  
Self-organizing networks  
Optimization techniques  
Support vector machines  
Principal/independent component analysis  
Recurrent neural networks  
Learning algorithms  
Probabilistic and information-theoretic methods  
Blind source separation

#### Neural Network Applications

Signal & image processing  
Telecommunications  
Pattern recognition  
Diagnostics & quality control  
Bioinformatics  
Power system applications  
Robotics & control  
Time series analysis  
Financial engineering  
Computer security  
Biomedical applications  
Other applications

#### Procedures:

Prospective authors are invited to submit full-length papers by the submission deadline by using the [online submission system](#). The submission of a paper implies that the paper is original and has not been submitted under review or copyright protected elsewhere and will be presented by the author if accepted. All submitted papers will be refereed by experts in the field according to the criteria of originality, significance, quality, and clarity. The authors of accepted papers will have an opportunity to revise their papers and take consideration of the referees' comments and suggestions, before submitting the final papers. All accepted papers with valid registration will be included in the Proceedings of ISNN 2005, to be published by Springer as [Lecture Notes in Computer Science](#) which are indexed by SCI-Expanded. Detailed format for the final paper preparation can be found at the web sites of the Symposium and the Publisher.

#### Important Dates:

Paper submission	January 1, 2005
Notification of paper acceptance	February 1, 2005
Final version of paper submission	March 1, 2005

#### Further Enquiry and Detailed Information:

Website: <http://www.acae.cuhk.edu.hk/~isnn2005/> or <http://isci.cqu.edu.cn/isnn2005/>  
Secretariat: [isnn2005@cqu.edu.cn](mailto:isnn2005@cqu.edu.cn) or [isnn2005@acae.cuhk.edu.hk](mailto:isnn2005@acae.cuhk.edu.hk)

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