



CALL FOR PAPERS



11th International Conference on Neural Information Processing

ICONIP - 2004

November 22 - 25, 2004

Science City, Calcutta, India

Chief Patrons

K. B. Sinha
A. N. Basu

Honorary Co-Chairs

S. Amari
T. Kohonen

General Chair

N. R. Pal

Vice co-chairs

E. Oja
R. Krishnapuram

Program Chair

N. Kasabov

Organizing Co-Chairs

D. Patranabis
J. Das

Joint-Secretaries

S. K. Parui
R. K. Mudi
S. Pal

Tutorial Chair

B. B. Chaudhuri

Finance Chair

R. Bandyopadhyay

Advisory Committee

R. Hecht-Nielsen, USA
L. Xu, Hong Kong
A. Engelbrecht, S. Africa
C. T. Lin, Taiwan
A. Atiya, Egypt
S. Usui, Japan
L. M. Patnaik, India
J. Zurada, USA
J. Suykens, Belgium
W. Pedrycz, Canada
K. Fukushima, Japan
T. Gedeon, Australia
G. Coghill, NZ
D. Fogel, USA
T. Yamakawa, Japan
D. Moitra, India
S. Y. Lee, Korea
W. Kanarkard, Thailand
M. Gori, Italy
S. B. Rao, India
S. Chakraborty, India
A. R. Thakur, India
M. Mitra, India
D. D. Majumder, India
L. Wang, Singapore
V. Ravindranath, India
L. Giles, USA
O. Kaynak, Turkey
Y. X. Zhong, China
S. Korobkova, Russia

Organizers: Indian Statistical Institute, Jadavpur University, Calcutta and Computational Intelligence Society of India will jointly organize ICONIP 2004. It is sponsored by the Asia Pacific Neural Networks Assembly (APNNA).

Objective : There will be a one day tutorial on November 21 and the next four days are for the conference. The objective is to bring the researchers working in neural networks and related areas under one umbrella to enable exchange of ideas and interaction between them for the advancement of science and technology. The conference will cover all major facets of computational intelligence.

Venue : Calcutta, which had a beginning as a trading outpost more than 300 years ago, has now evolved into one of the largest and fascinating cities of India- *the City of Joy* - always vibrating with a seething mass of activity yet with a heart that is tuned to the enjoyable beauty of mother nature. Science City, a park, is located in a pleasant environment in the eastern fringe of Calcutta with conference as well as amusement facilities. It is close to the International Airport and a number of luxurious hotels. To feel the pulse of the city you must spend a few days beyond the conference.

Submission Procedure : Papers not exceeding 6 A-4 size pages with complete affiliation of each author including email address, if any, should be submitted by March 15, 2004. We strongly encourage **electronic submission**. For details of manuscript preparation please see our web site: www.isical.ac.in/~iconip04. Prominent researchers in the relevant areas will review each paper. All accepted papers will appear in the Conference Proceedings which will be published by a renowned international publisher and made available during the conference.

Topics: The conference will cover different facets of computational intelligence organized into the following tracks :

Brain-like computing	Computational neuro-science	Neuroinformatics
Neural network hardware	Cognitive science	Learning algorithms
Evolutionary computation	Quantum computing	Bayesian computing
Novel neural network architectures	Support vector machines and kernel methods	Fuzzy, neuro-fuzzy and other hybrid systems
Brain study models	Bio-informatics	Pattern recognition
Time series prediction and data analysis	Image processing and vision	Speech and signal processing
Control systems	Robotics	Biometrics

Special Sessions / Tutorials: Proposals for special sessions (1 page) are to be submitted to the General Chair, N. R. Pal (nikhil@isical.ac.in). Each special session must have 5 papers. Tutorial proposals describing the theme should be sent to the Tutorial Chair, B. B. Chaudhuri (bbc@isical.ac.in). The deadline for both is June 30, 2004.

Special Issues : We plan to bring out a few special issues of some international journals based on enhanced versions of some selected papers.

Key Dates :

Papers submission	March 15, 2004
Tutorial / Special session proposals	June 30, 2004
Acceptance notification	July 15, 2004
Camera-ready copy due	August 30, 2004
Early Registration	September 15, 2004

Further Details : Visit our web site : <http://www.isical.ac.in/~iconip04>
or email at : iconip04@isical.ac.in
or write to : Conference Secretariat, ICONIP 2004
Electronics & Communication Sciences Unit
Indian Statistical Institute, 203 B. T. Road
Calcutta 700 108, INDIA