



INTERNATIONAL NEURAL NETWORK SOCIETY



First Call for Papers

INNS–NNN Symposia (New directions in Neural Networks)

24-25 November 2008, Auckland, NZ
associated with ICONIP 2008 (25-28 November 2008)

<http://www.inns.org>

"Modelling the Brain and Nervous Systems"

General Chair: John Weng
Program chair: Nikola Kasabov
Local organising chair: Joyce D'Mello (jdmello@aut.ac.nz)

The symposia will provide a forum for researchers to exchange latest new ideas and present new research advances in the general areas related to computational modelling of the brain and nervous systems, including development and learning in animals and artificial systems/robots, computational neurogenetic modelling, and applications of related techniques.

Symposium 1: Development and Learning, 24 November 2008

Co-Chairs: John Weng and Jeffrey L. Krichmar

Topics: Biologically inspired models, mental architectures, cell models, plasticity, adaptation, self-organization, attention, reasoning, association, vision, audition, touch, motor, development, motivational system, learning modes (including supervised, reinforcement and communicative modes) and applications.

Invited speakers (preliminary list): Mriganka Sur, MIT; Jeffrey L. Krichmar, Neural Science Institute, La Jolla, USA; Steven Levinson, University of Illinois; Mike Merzenich, UCSF; John Weng, Michigan State University.

Symposium 2: Computational Neurogenetic Modelling, 25 November 2008

Co-Chairs: Lubica Benuskova and Alessandro E. P. Villa

Topics: The role of genes in brain processes and functions like neural oscillations, language, learning & memory, etc. Genetic and neuronal mechanisms of neurodegenerative diseases. New advances in modelling and theoretical understanding of the brain and the nervous system.

Invited speakers (preliminary list): Gary F. Marcus, University of New York; Alessandro E. P. Villa, University of Lausanne; Cliff Abraham, University of Otago, NZ; Lubica Benuskova, KEDRI/AUT, NZ; Nikola Kasabov, KEDRI/AUT, NZ; Hiroshi Kojima, U.Tamagawa, Japan.

Papers submission: 30 July 2008, to the Workshop Chairs. Papers of 6 pages maximum must be prepared in the LNCS Springer format.

Papers acceptance: 30 September 2008.

Publications: All accepted papers will be published in Symposia Proceedings. Selected papers will be invited to a special issue of a journal and an edited volume.

Fees: US\$350. A fee to attend both the INNS/NNN08 and ICONIP08 is US\$800.