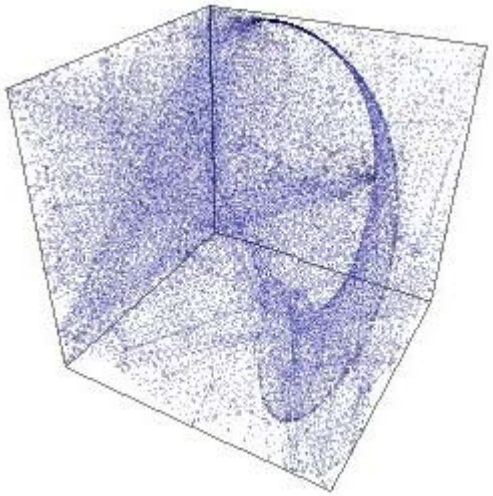
CALL FOR PRESENTATIONS

PRINCIPLES OF AUTONOMOUS NEURODYNAMICS 2007

Meeting Dates: **August 20-22, 2007**
Location: **Québec City, Canada**
Website: **www.utoronto.ca/sand/**



A multi-disciplinary meeting exploring free dynamics in networks and the relation of autonomous neurodynamics to neurological conditions.

The 4th annual meeting of the Society for Autonomous Neurodynamics (SAND) will take place on August 20th, 21st and 22nd at the Centre de recherche Université Laval Robert-Giffard (CRULRG), Québec, Canada.

We are soliciting participants from a range of fields interested in Autonomous Neurodynamics. If you would like to present work relating to these topics please register online by July 16th, 2007 at: www.utoronto.ca/sand/PAND2007/

We encourage entries from a diversity of backgrounds and welcome both exploratory and advanced research. Presentations should be 15 minutes in length. Sessions are meant to be dynamic and will include open discussions. Presentations may be considered for inclusion in the special issue of the International Journal of Neurosystems.

Québec City is a UNESCO world heritage site known for its architecture, fine dining and European charm. The city is surrounded by mountains, lakes, and the St. Lawrence River, providing many opportunities for nautical activities such as kayaking, canoeing, white water river rafting and whale watching.

CONFERENCE SCOPE

Autonomous Neurodynamics describes interactive systems that can change activity both in response to and independently of the environment. Presentations will focus on the theoretical underpinnings and implications of autonomous dynamics in relation to neural activity, cognition, social systems and general network dynamics. Sessions may encompass a broad array of approaches including presentations from mathematics, physics, philosophy, psychology, computational and theoretical neurosciences.

CONFERENCE TOPICS

- Physiology, Sensorimotor Systems & Behavior
- Neuroanatomy and Network Theory
- Neurogenetics and Pathobiology
- Pharmacology
- Hormones and Reproduction
- Nutrition and Biochemistry
- Personal Narratives
- Gender and Social Sciences
- Neurology and Clinical Perspectives (e.g., Epilepsy, Parkinson's, Alzheimer's)
- Neuropsychoanalysis
- Dynamical Systems and Embodied Modeling
- Attention, Sleep
- Computation and Information Processing
- Nonlinear Analysis
- Noise / Stochasticity / Randomness

In addition to these topics we welcome novel approaches and interdisciplinary research that can synthesize findings from various fields. Presentations may also consider the implications of research findings on ethical theory, autonomy and health.

SPONSORS:

• University of Toronto Epilepsy Research Program • Stichting Epilepsie Instellingen Nederland (www.sein.nl)
• Institute of Experimental Physics, Warsaw University • Centre de recherche Université Laval Robert-Giffard
• Collaborative Program in Neuroscience, University of Toronto (PIN)