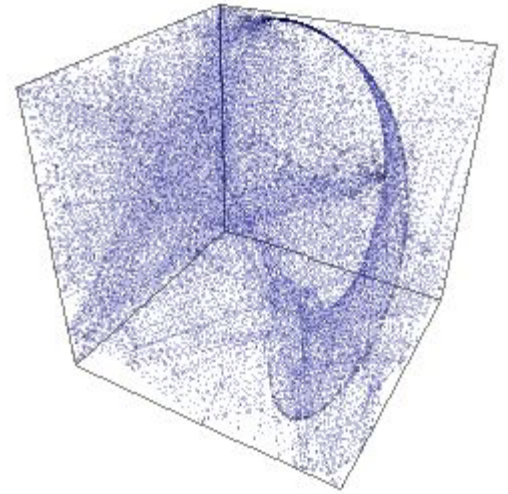


# CALL FOR PRESENTATIONS

## PRINCIPLES OF AUTONOMOUS NEURODYNAMICS 2008

**Meeting Dates:** August 24-26, 2008  
**Location:** Heemstede, The Netherlands  
**Website:** [www.utoronto.ca/sand/](http://www.utoronto.ca/sand/)



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

The 5th annual meeting of the Society for Autonomous Neurodynamics (SAND) will take place on August 24th, 25th and 26th, 2008 at Stichting Epilepsie Instellingen Nederland (SEIN), Heemstede, The Netherlands.

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 August 8<sup>th</sup>, 2008 at: [www.utoronto.ca/sand/PAND2008/](http://www.utoronto.ca/sand/PAND2008/)

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 a special post-conference publication.

The conference will take place close to the beautiful city of Haarlem and a short train ride to Amsterdam, the cultural hub and capital of the Netherlands. Beyond the historic architecture, windmills, canals and tulips attendees will find that the Netherlands is a dynamic society so often at the forefront of exploring the concept of societal freedom. This year the post-presentation event will be a "panoramic sailing and cycling tour" that will explore the Netherlands' North Sea Islands through sailing and cycling.

### 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)
- Neuropsychology
- 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:

- Stichting Epilepsie Instellingen Nederland ([www.sein.nl](http://www.sein.nl))
- University of Toronto Epilepsy Research Program (UTERP)
- Institute of Experimental Physics, Warsaw University
- Collaborative Program in Neuroscience, University of Toronto (PIN)