

1st International Conference on Mathematical Neuroscience

June 8 - 10, 2015
Antibes - Juan les Pins, France
Convention centre



The First International Conference on Mathematical NeuroScience (ICMNS) will be held at the Congress Center in Juan-les-Pins, on the French Riviera. The goal of this conference is to bring together theoretical neuroscientists and mathematicians interested in using mathematical concepts and methods for solving problems posed by neuroscience.

It is motivated by the idea that many outstanding questions concerning the functioning/dysfunctioning of brains at multiple spatial and temporal scales require the use of a wide range of mathematical tools, including, but not restricted to, functional analysis, dynamical systems theory, bifurcation theory, probability and statistics, stochastic calculus, geometry, information theory, and numerical analysis. The conference is also aimed to illustrate that neuroscience is spawning new areas of mathematics.

The conference will be single track. It will feature three keynote lectures, oral presentations, and poster presentations.

The keynote lecturers are **Susanne Ditlevsen** (University of Copenhagen, Denmark), stochastic processes in neuroscience, **Bard Ermentrout** (University of Pittsburgh, USA), neurodynamics, and **Yves Frégnac** (CNRS, France), neuroscience of vision.

Call for contributions

Oral presentations will be selected from the submission of one-page abstracts. Poster presentations will be selected from the submissions of a half a page abstracts. Accepted oral contributions will be considered for possible publication in a special issue of the Journal of Mathematical Neuroscience.

Submissions should be sent as .pdf files by email to:
ccc-icmns2015@inria.fr

Important dates:

Submission deadline: February 2, 2015

Notification of acceptance: February 20, 2015

Program Committee

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