

Introduction

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## Computational Neuroscience (CNS\*2007)

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The international *Computational Neuroscience* meeting (CNS) has been a premier forum for presenting experimental and theoretical results exploring the biology of computation in the nervous system for the last 16 years. The meeting is organized by the *Organization for Computational Neurosciences*, a non-profit organization governed by an international executive committee and board of directors. A separate program committee is responsible for the scientific program of the meeting. Participants at the meeting are from academia and industry. The meeting not only provides a venue for research presentation and discussion by senior scientists but actively offers a forum for promoting and supporting young scientists and students from around the world.

The papers in this supplemental volume were presented at the 16<sup>th</sup> Annual Computational Neuroscience Meeting (CNS\*2007) held in Toronto, Ontario, Canada from Saturday July 7 to Thursday July 12, 2007. The meeting consisted of a welcome reception, three days of oral and poster sessions, an evening harbor cruise and dinner, and two days of workshops. The main meeting was held at 89 Chestnut, a University of Toronto conference facility and the workshops took place at the University of Toronto downtown campus.

Abstracts for the meeting were submitted in early February. Those authors wanting an oral presentation also sub-

mitted an extended summary of their work. The abstracts were reviewed by the Program Committee and each extended summary was additionally reviewed and scored by two independent reviewers. In the end 230 papers were accepted for the meeting. The review comments and scores for the extended summaries were used by the Program Committee to construct the final oral and poster programs.

Abstracts for oral presentations are given first, in order of presentation at the meeting. Abstracts for poster presentations are grouped by topic according to keywords chosen by the authors in their initial submissions. Clearly some papers could fit under multiple topics, so this classification is by no means precise. Nevertheless, these abstracts represent a sampling of some of the exciting work being done today, often by young researchers, in the field of Computational Neuroscience.

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