

Preface

The present book includes extended and revised versions of a set of selected papers from the Second International Congress on Neurotechnology, Electronics and Informatics (NEUROTECHNIX 2014), held in Rome, Italy from October 25 to 26, 2014.

The purpose of the International Congress on Neurotechnology, Electronics and Informatics is to bring together researchers and practitioners in order to exchange ideas and develop synergies highlighting new advancements of neurotechnology, either in general or regarding a particular case, application, or pathology.

NEUROTECHNIX 2014 was sponsored by INSTICC (Institute for Systems and Technologies of Information, Control and Communication), held in cooperation with MedinRes—Medical Information and Research, Nansen Neuroscience Network, Sociedade Portuguesa de Neurologia (SPN), Associação Portuguesa de EEG e Neurofisiologia Clínica (APEEGNC), Neurotech Network, Società Italiana de Neurologia (SIN), World Federation for NeuroRehabilitation (WFNR) and the International Neural Network Society (INNS), and in collaboration with The Marketplace for Research Antibodies.

The congress received submissions from 19 countries, in all continents. To evaluate each submission, a double-blind paper review was performed by the program committee, whose members are highly qualified researchers in the NEUROTECHNIX topic areas.

NEUROTECHNIX's program included panels, special sessions, and five invited talks delivered by internationally distinguished speakers: Constantin A. Rothkopf (Technical University Darmstadt, Germany), Danil Prokhorov (Toyota Tech Center, United States), Eugenio Guglielmelli (Università Campus Bio-Medico, Italy), Febo Cincotti (Sapienza University of Rome, Italy), and Hermano Igo Krebs (Massachusetts Institute of Technology, United States).

We would like to thank the authors, whose research and development efforts are recorded here for future generations.

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Advances in Neurotechnology, Electronics and
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