Special Workshop/Tutorial on

NeuroInformatics and new directions for biosignals processing: BCIs for Coma, Stroke and SCI Patients

May 23, 2016

University of Milano-Bicocca, Dept. of Informatics

Building U14 (Seminars Room, 1°Floor), Viale Sarca 368, Milan

Call for Papers (Deadline May 7, 2016)

IITM

International Institute of Tele-Medicine
Istituto Internazionale di Tele-Medicina

Consiglio Nazionale delle Ricerche

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About the Workshop/Tutorial

Research groups all over the world have been working on Brain-Computer Interfaces (BCIs), which provide a direct connection from the human brain to a computer. BCIs translate brain activity into control signals for numerous applications, including tools to help severely disabled users communicate and improve their quality of life. BCIs have been used to restore movement, assess cognitive functioning, and provide communication and environ-mental control. One of the most exciting applications of biosignal processing are BCIs, in which users can spell or perform other tasks via thought alone. Very recent work has extended BCI Technology to help persons with coma, stroke and SCI diseases. We will provide interactive, hands-on demonstrations of new BCI technologies. Attendees will learn about signal processing methods used in BCIs and how they can be extended to provide real-world help for patients.

SCIENTIFIC AND ORGANIZING COMMITTEE

Francesco Sicurello, IITM President, Univ. Milano Bicocca
Woosang Cho, University of Tübingen, Germany
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