



*International Journal of
Bioelectromagnetism*
Vol.10, No.1, 2008



FOREWORD

In this volume of the International Journal of Bioelectromagnetism (IJBEM), we are pleased to offer you selected papers come out from the invited talks given to the NEUROMATH workshop in Rome, the 4 and 5 December 2007, at the conference centre of the Fondazione Santa Lucia. The NEUROMATH workshop was sponsored by the European Union COST funding program (www.cost.esf.org), and technically co-sponsored by the COST Action BM0601 NEUROMATH and the International Society for Bioelectromagnetism (ISBEM). Such Workshop provided an excellent platform for the scientific exchange of novel ideas on recent development in the field of the analysis of hemodynamic, neuroelectromagnetic signals from the human brain. Also in this case, the research themes presented in these issues will be devoted mainly to the presentation and use of advanced methodologies for the study of brain signals. They are encompassing the application of the multimodal EEG and fMRI recordings for a better understanding of brain functions, as well as the use of advanced mathematical tools to estimate the functional connectivity between brain areas up to the application of these analytic methodologies in the brain computer interface areas.

This special issue will close the series of issues of IJBEM devoted to this workshop, that had received contributions from a large number of laboratories involved in the COST Action NEUROMATH laboratories located in Europe.

Fabio Babiloni
Laura Astolfi
Fabrizio De Vico Fallani
Kazuo Yana

January 28th, 2008