

Foreword

During the 2016 the International Journal of Bioelectromagnetism has undergone a transformation that lead to a new team of Co-Editors in Chief that would like to further promote the activity of the journal. In particular, beside the historical Editor in Chief of IJBEM prof. Kazuo Yana two new co-Editor in Chief have been appointed: prof. Panagiotis Bamidis of the University of Thessaloniki, Greece and prof. Fabio Babiloni, from the University of Rome Sapienza.

All these three Editors in Chief will have the duty to make the IJBEM to be present on PUBMED as well as will have the duty to move the journal toward the getting an impact factor in two years. Such duty will be performed in conjunction with the cooperation with the Technical Committee of the Biomedical Signal Processing of the IEEE-EMBS, whose members have agree to serve as reviewers and possible contributors in the future years for the journal.

New Associate Editors have been also appointed to support the race of the IJBEM toward such ambitious goals. They have been recruited in order to elicit new submissions in different areas of research that are clearly emerging in the landscape of biomedical signal processing. In particular, these new young Associate Editors will join the already rich board of Associate Editor of the Journal.

This issue n.2 of the IJBEM presents contributions from different areas of research. Of particular interest in this issue are the presentation of a methodology from prof. Bonmassar at Martinos Center that has been called Direct Electromagnetic Source Tomographic Imaging Neurotechnology (DESTIN). Such method may allow to study subjects outside a scanner room and with ms second resolution needed to study neuronal activity. The paper of prof. Melo and colleagues compared brain activity and arm movement during virtual and real dart throwing tasks between stroke patients and healthy subjects. The use of neuroelectrical imaging for the evaluation of cochlear processors has been addressed in the paper of Cartocci and colleagues. The study investigated the comparison of different cochlear implant processors by evaluating the workload levels induced by the use of each of them. The paper of dr. Modica and colleagues investigated how the use of validated neurometric indicators allow to study the mental workload that could occur during simulated car drive in a group of healthy subjects. The issue is closed by an application of the neuroimaging to the art perception in different groups of subjects exposed to the observation of real masterpieces in art galleries (Titian paintings) as well as the observation of the beautiful sculpture of Moses made by Michelangelo Buonarroti about 500 years ago in Rome. In the paper of dr. Rossi and colleagues, the evaluation of neurometric indexes related to the perception of the artwork have been described.

At the end of 2016 is scheduled also another issue of the IJBEM (n.3) that will be related to the use of neuroelectrical imaging related to the evaluation of the smoking habits, in the framework of an European Union project called SmokeFreeBrain.

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