

Authors' Biographies

FABRIZIO DE VICO FALLANI



Fabrizio DeVico Fallani is a Research fellow in the Department of Human Physiology, University of Rome “Sapienza” (Subject - Development and application of brain network analyses in healthy and diseased human subjects). He is also a term-contract worker at the Neuroelectrical Imaging and Brain Computer Interface Laboratory, IRCCS “Fondazione S.Lucia” (Subject - Development and application of brain network analyses in healthy and diseased human subjects during cognitive and motor tasks). In 2005 he got his master’s degree in Computer Science Engineering at the University of Rome “Sapienza” (Thesis title - Advanced Methods for the Estimation of the Cortical Connectivity from high resolution EEG recordings in a group of Spinal Cord Injured Patients). In 2009, he got his PhD degree in Biophysics at the University of Rome “Sapienza”. (Thesis title - Theoretical Graph Approach to Brain Functional Networks from High-Resolution EEG). He also received the best PhD thesis prize on Biomedical signal processing and imaging awarded by the Italian National Group of Bioengineering. He has participated with both oral and poster presentations at more than 45 international conferences and has received several travel grants and visiting research grants. He is the author of more than 30 scientific articles in peer-reviewed journals and his H-index is 6. His current interests are in the field of graph theoretical approaches, cortical connectivity estimation, and Brain Computer Interface.

FABIO BABILONI

Fabio Babiloni was born in Rome in 1961. He received his master's degree in Electronic Engineering at the University of Rome "La Sapienza" and the PhD in Computational Engineering at the Helsinki University of Technology, Helsinki in the 2000 with a dissertation on the multimodal integration of EEG and fMRI. He is currently Associate Professor of Human Physiology at the Faculty of Medicine of the University of Rome "La Sapienza", Rome, Italy. He is the author of more than **120** papers on bioengineering and neurophysiological topics in international peer-reviewed scientific journals, and more than **250** contributions to conferences and book chapters. His total impact factor is more than **290** and his H-index is **26**. His current interests are in the field of multimodal integration of EEG, MEG and fMRI data, cortical connectivity estimation and Brain Computer Interface. Prof. Babiloni is currently grant reviewer for the National Science Foundation (NSF) USA, the Academy of Finland, Finland, the Austrian Fund of Research, Austria and the European Union through the FP6 and FP7 research programs. Prof. Babiloni is president of the International Society of Functional Source Imaging, member of the Italian Society of Physiology and the Italian Society of Clinical Neurophysiology. He is an Associate Editor of four scientific Journals "*Frontiers in Neuroscience*," "*International Journal of Bioelectromagnetism*," "*IEEE Trans. On Neural System and Rehabilitation Engineering*," and "*Computational Intelligence and Neuroscience*."