

IEEE SP/EMB and ED/IM/SSC Lecture

Title: Biofeedback – Principles and Application

Lecturer: Silvana Markovska-Simoska, PhD

Date: 17.05.2016

Time: 10:00

Location: Conference room FEEIT

Abstract: Biofeedback is a modern computer-related technique used for assessment and therapy of many psychophysiological disorders, especially stress-related ones. After a short overview of the basic concepts of biofeedback, in this study some results of the Macedonian team, obtained during two decades application of this methodologies, especially electrodermal and electroencephalographic biofeedback, will be presented.

Short bio:

Silvana Markovska-Simoska, M.D., PhD, scientific collaborator at MASA (Macedonian Academy of Sciences and Arts). Her research interests are focused in the field of QEEG, brain mapping, biofeedback and neurofeedback applications. Implementation and interpretation of QEEG and neurofeedback in many psychophysiological disorders is her main professional goal in the following working years. She is/was participating as a MC member in several EU ESF/COST Actions related to the brain electrical oscillations and cognition, defining of consciousness, advanced methods for the estimation of the human brain activity and connectivity, autism and robotics for neurorehabilitation. She has been also a team member in several national projects related to these topics and she is the author of more than 80 papers in the international and national journals and conferences proceedings.