



## Quantitative electroencephalography QEEG, event-related potentials ERPs and neurofeedback: the neuroscience of neuro-modulation

From theory to clinical practice: four-day workshop at the Open University's QEEG & Brain Research Lab (Milton Keynes MK7 6AA, UK)

June 22-25, 2011

With **Juri Kropotov** (Russian Academy of Sciences) and **Jay Gunkelman** (Q-Pro, USA)

New brain-imaging technology and cutting-edge recording techniques such as the QEEG and ERP analysis now enable researchers and clinicians to target neurological and psychological conditions at their neurophysiological root. This first UK workshop on the neuroscience of neuro-modulation will help participants develop their diagnostic and treatment expertise using the newly emerged QEEG/ERP and Neurofeedback techniques. It will also give you a unique opportunity to witness two world-leading experts present (and debate) the steps involved in the interpretation of brain imaging data (s-LORETA) and the design of personalised Neurofeedback protocols. Throughout the workshop, you will have several skills practice sessions and the opportunity to record and interpret your own QEEG and ERP data. Additional clinical add-on sessions will cover specific topics such as the art of artifacting, alpha generators, and the clinical presentation of EEG phenotypes, amongst others. At the end of each day, Jay and Juri will leave the powerpoints behind and simply sit with the participants to reflect about the day's contents and answer questions from the participants.

**Target groups:** psychologists, psychotherapists, neuropsychologists, neurologists, neuroscientists, psychiatrists, school psychologists, pediatricians, occupational therapists, neurofeedback therapists, students, and other health care professionals with an interest in QEEG patterns of psychopathology, and neurophysiological symptom integration for treatment planning. Beginners as well as more advanced practitioners and researchers. Participants are **welcome to bring along their own data and results for feedback and debate** during the skills practice sessions and group discussions.



**Juri D Kropotov**, PhD, is the director of laboratory of the Institute of the Human Brain, of the Russian Academy of Sciences, St. Petersburg, Russia. He has also developed the Mitsar EEG-201 and 201 amplifiers.



**Jay Gunkelman**, QEEG-D has specialized in classical clinical EEG since the mid 1970s, and today is one of the most experienced EEG/qEEG specialists in the world.

Contact: [science-qeeglab@open.ac.uk](mailto:science-qeeglab@open.ac.uk)



## Prices

- Entire workshop £950
- Second participant and early bird (28th April) £850
- Students (requires departmental document and signature) £650

The registration covers all teaching, course materials (CD with powerpoint presentations and handouts), lunch, and refreshments (all four days). It does not cover hotel accommodation or travel.

## Accommodation

We have selected two hotels situated within walking distance from the Open University campus at a special rate, including breakfast buffet. Please visit:

- <http://www.hilton.co.uk/miltonkeynes>
- <http://www.kenthillpark.com/Content.aspx?PageID=1471>

## Getting there (directions to the Open University and workshop venue):

<http://www3.open.ac.uk/contact/locations.aspx>

Workshop to be held at East Perry 1<sup>st</sup> floor, meeting room 8.

## Closest airports

Luton Airport

For registration and payment forms contact: email [science-qeeglab@open.ac.uk](mailto:science-qeeglab@open.ac.uk), or [a.martins-mourao@open.ac.uk](mailto:a.martins-mourao@open.ac.uk)