

## QEEG, ERPs and neurofeedback: the neuroscience of neuro-modulation

From theory to clinical practice: four-day workshop

QEEG & Brain Research Lab, Open University, Milton Keynes MK7 6AA, UK

June 22 - June 25, 2011

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

	Day one	Day two	Day three	Day four
8.30 -08.55	<b>Sign-in (Berrill Reception)</b>			
9.00 -9.15	<b>Presentation</b>			
9.00 -13.00	<b>Concepts, theory &amp; clinical applications 1:</b> Foundations of clinical QEEG**	<b>Concepts, theory &amp; clinical applications 2:</b> QEEG methodologies and clinical applications**	<b>Concepts, theory &amp; clinical applications 3:</b> Event-related potentials (ERP)**	<b>Concepts, theory &amp; clinical applications 4:</b> Using QEEG/ERP data to construct Neurofeedback protocols**
13.00-14.00	<i>Lunch + <b>posters</b></i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
14.00-16.00	<b>Skills practice session 1:</b> Recording your own QEEG and ERP data	<b>Skills practice session 2:</b> Analysing QEEG data	<b>Skills practice session 3:</b> Analysing ERP data	<b>Skills practice session 4:</b> Constructing Neurofeedback protocols based on QEEG/ERP data
16.00-16.15	<i>Coffee break + <b>posters</b></i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
16.15-17.15	<b>Advanced clinical add-ons 1:</b> <ul style="list-style-type: none"> <li>• The Art of artifacting</li> <li>• Alpha generators: alpha morphology and the maturation of Alpha</li> <li>• Lambda: what it looks like and what it represents</li> </ul>	<b>Advanced clinical add-ons 2:</b> Vigilance and arousal model: from clinical applications to peak performance states	<b>Advanced clinical add-ons 3:</b> Clinical presentations of anxiety disorders: a closer look at CNS over-arousal (PTSD) & the cingulate (OCD) <ul style="list-style-type: none"> <li>• EEG indicators and analysis (JG)</li> <li>• ERP indicators and analysis (JK)</li> </ul>	<b>Advanced clinical add-ons 4:</b> Clinical database development: clinical presentation & characterization of EEG phenotypes
17.15-18.30	<b>Group discussion 1</b> Questions & reflections about the day's contents	<b>Group discussion 2</b> Questions & reflections about the day's contents	<b>Group discussion 3</b> Questions & reflections about the day's contents	<b>Group discussion 4</b> Questions & reflections about the day's contents

\*\*coffee break from 10.30-10.45

For further information contact: [science-qeeglab@open.ac.uk](mailto:science-qeeglab@open.ac.uk)