

# University Research Facility in Behavioral and Systems Neuroscience (UBSN) “EEG and NeuroScan CURRY 9” Training Workshop

Date: 25<sup>th</sup> – 27<sup>th</sup> Nov 2024

Time: 9:00 am – 5:30 pm

❖ All are welcome

Application deadline: 20<sup>th</sup> Nov 2024

❖ Register through the QR code



Electroencephalography (EEG) is a non-invasive method to capture electrical signals of the brain using surface electrode. It offers millisecond-range temporal resolution that is much higher than other neuroimaging methods such as functional MRI. This training workshop will include lectures, demonstrations and hands-on sessions to introduce acquisition and analysis of EEG technique.

## Rundown

Date	Time	Content	Venue
25-Nov	9:00-12:30	Introduction to EEG & ERP ERP components and ERP study case examples	Z504
	14:00-15:30	Data acquisition: Demonstration & Hands-On	QR404
	15:30-17:30	Hyperscanning and Data-live streaming	QR403
26-Nov	9:00-12:30	Curry Signal Processing	PQ305
	14:00-17:30	Advanced signal Processing	PQ306
27-Nov	9:00-12:30	Advanced Signal Processing & Source Analysis	PQ304
	14:00-15:30	Source Analysis with Image Processing	BC203
	15:30-17:30	MEG concept and comparison with EEG/ERP	BC402

## Reyko Tech

### *Software Developer, Compumedics Neuroscan*

Reyko Tech graduated from the University of Applied Sciences in Wedel, Germany, in 2007 with a degree in Media Computer Science. Whilst at the Philips Research Laboratories in Hamburg, Germany, Reyko wrote his diplom thesis about physical simulation of human tissue in a radio therapy environment. In early 2008, he joined Compumedics Neuroscan and is the main developer of the acquisition module of CURRY.



## William Oliver

### *Clinical & Research Specialist for CURRY*

William Oliver graduated from the University of Georgia in 2008 with a degree in Psychology. He stayed at UGA to complete his PhD in Neuroscience, focusing on multi-modal brain imaging in individuals with psychosis disorders. His research used auditory, visual, and cognitive processing to identify biomarkers across clinical diagnostic assignments. William joined Compumedics Neuroscan in 2022 as a clinical and research specialist for CURRY.



This workshop is co-sponsored by **Tronda Electronics Ltd.** It is free of charge.

All are welcome on a **first-come-first-served** basis. (Max. 80 people)

Materials are included for hands-on sessions.

For enquiry, please contact Dr. Tommy Lam (Tel: 2766 7096; Email: [lh-tommy.lam@polyu.edu.hk](mailto:lh-tommy.lam@polyu.edu.hk))

Special thanks to: **TRONDA** Electronics Ltd.

