

# Brain Plasticity and Human Potentials: Optimizing Performance of Individuals and Teams with Interactive Neuro-enhancement Technologies

Speaker: Ms. Chris Berka

Venue: 1/F Assembly Hall, Gratia Christian College

Date: 27 Feb 2018

Time: 18:30-20:30



## Abstract

This is an exciting time as the development of neurotechnologies offers potential for enhancing and augmenting our physical, mental and social capabilities. The advent of smart, wearable sensors allow us to gain insight into processes that were previously subconscious—we can listen to our hearts racing during a stressful experience and observe our brains synchronizing during meditation. This increased awareness of our physiological responses is the first step towards exerting positive control over mind and body with the goal of improving our health, wellbeing and social interactions. Chris Berka will present highlights of 20 years of experience developing and applying novel neurotechnologies to accelerate learning, harmonize teams, enhance leadership and mitigate the neurodegeneration processes associated with aging. As our knowledge and understanding of neuroplasticity increases, these technologies will be refined and modified to provide personalized assessments of brain health during sleep and waking to optimize interventions for health and wellbeing.



## Speaker Biography

Chris Berka, CEO/Co-Founder of Advanced Brain Monitoring has over 30 years of experience managing clinical research and developing and commercializing new technologies, is co-inventor of 14 patented technologies and PI or Co-Investigator for grants awarded by the National Institutes of Health, DARPA and NSF that provided more than \$34 million of research funds to ABM. She played a key role in the growth of an AMEX public company that patented and commercialized a forensic test using hair to characterize drug use. She published over 50 papers and book chapters covering EEG correlates of cognition in healthy subjects and patients with sleep and neurological disorders and achieved national recognition for work on accelerating learning with neurofeedback to stimulate neuroplasticity, featured on “Through the Wormhole with Morgan Freeman” and a TEDx talk. She received her B.A. with distinction in Psychology/Biology at Ohio State University and completed graduate studies in Neuroscience at UCSD.

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Registration



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