

**Dr. Vince Clark** is Professor of Psychology and Neuroscience and Director of the Psychology Clinical Neuroscience Center at the University of New Mexico. He and his associates investigate the relationship between mind and brain. He employs structural and functional magnetic resonance imaging (fMRI), magnetoencephalography (MEG), event-related potentials (ERPs) and methods of transcranial brain stimulation, including transcranial direct current stimulation (tDCS) and transcranial alternating current stimulation (tACS), as well as other methods to examine human brain structure and function. Using these tools, he is investigating the basic organizational principles of perception, learning, memory, attention and language in healthy individuals. He also uses these methods to examine the neural basis of psychiatric disorders such as drug and gambling addiction, psychopathy and schizophrenia. His recent area of research examines how tDCS can be used to increase learning and performance in healthy subjects, and the mechanisms by which tDCS produces changes in brain function and behavior.