



DRP PUBLIC LECTURE SERIES

EDWARD HUBBARD, PHD

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

THURSDAY, OCTOBER 10, 2013

12:30 – 1:30 PM

EDUCATIONAL SCIENCES, ROOM 259

LINKING EDUCATION AND NEUROSCIENCE: THE FOUNDATIONS OF A NEW FIELD

Recently, educators, neuroscientists, policy makers, and even the general public have expressed a great deal of excitement about the possibility of using findings from neuroscience to improve educational outcomes. Fundamental research is examining questions like, "How do brain systems support learning?" and, "How are brains modified by educational experiences?" but it still remains unclear whether brain scans can impact lesson plans. In this talk, Dr. Hubbard will present the case for cautiously bringing these fields together to help create a new field, Educational Neuroscience. He will present some examples from his own work in understanding the cognitive and neural mechanisms of basic arithmetic, and suggest some avenues for future directions.

Dr. Edward Hubbard received his PhD in Psychology and Cognitive Science from the University of California–San Diego in 2004. He joined the Department of Educational Psychology at UW–Madison as an Assistant Professor in 2012. He currently runs the Educational Neuroscience Lab at the Waisman Center, which investigates the neural underpinnings of cognitive processes relevant to educational settings. Dr. Hubbard's team focuses on the acquisition of mathematical knowledge, multi-sensory integration in learning, and the effects of synesthesia in education.



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