Motor learning is a classical field of study with interests spanning occupational, behavioral, and rehabilitation sciences. Classical studies have demonstrated the neuroscience, kinematics, and cognition involved in motor learning. Yet, there are lingering questions exist related to the neural circuitry involved, and how to best enhance motor learning with training and/or neuromodulation. Further, the relationship of (procedural) motor learning with declarative learning is also a bit unclear. In this talk, I will suggest some new insights on putative networks involved in motor learning, how they may relate to other forms of learning, and propose mechanisms to enhance learning based on sensory input.

Lewis A. Wheaton, Ph.D.
Associate Professor
Georgia Institute of Technology