A NEW MODEL OF SENSORIMOTOR CONTROL

Featuring Dr. Marco Santello
Director, School of Biological and Health Systems Engineering, and Neurology, and Harrington Endowed Chair and Professor at Arizona State University

January 26, 2018 | 12:00 - 1:15 pm | H&K112
Parking Available in Lot T

ABOUT DR. SANTELLO

Marco Santello is Professor of Biomedical Engineering and Director at the School of Biological and Health Systems Engineering. He received a Bachelor in Kinesiology from the University of L’Aquila, Italy, and a PhD in Sport and Exercise Science from the University of Birmingham, U.K. After a post-doc at the University of Minnesota, he joined Arizona State University. His research interests are motor control, sensorimotor learning, and neuromodulation. His laboratory uses approaches ranging from non-invasive brain stimulation to neuroimaging, kinematic and kinetic analysis, and virtual reality environments. His research has applications to rehabilitation of sensorimotor hand function, prosthetics, and biologically-inspired robotics.

LEARNING OBJECTIVES

• Discuss recent studies addressing the continuum of grasp kinematics and kinetics using behavioral, neuro-imaging, and neuromodulation approaches.
• Describe approaches of neuro-imaging and neuromodulation.