

## The Institute for Sensing and Embedded Network Systems Engineering

Proudly Presents

### Neuroprosthetics: Hacking into the Peripheral Nervous System

In this talk, I will review the beginnings of Neuroprosthetics and subsequent developments over the last 20 years with particular interest in the peripheral nerves. I will describe our human volunteer studies and our results to date. I will attempt to consider other potential future applications of this technology.

#### Speaker

Specializing in hand and microvascular surgery, Douglas T. Hutchinson, MD Professor in the Department of Orthopaedic currently serves as the hand fellowship director and an adjunct in pediatrics at the University of Utah. He is chief of Hand Surgery at Primary Children's Hospital, the Veterans Affairs Medical Center, and Shriners Intermountain Hospital. He also holds an adjunct appointment in the Departments of Bioengineering and Physical Therapy. Dr. Hutchinson's research interests include neuroprosthetic applications for amputees, randomized, prospective clinical studies, and congenital deformities. He trained at Jefferson Medical College in Philadelphia, completed residency at Thomas Jefferson University Hospital in Philadelphia and fellowship at the Raymond M. Curtis Hand Center in Baltimore. Board certified in Orthopaedics, he holds the Certificate of Added Qualification (CAQ) in Hand Surgery. His professional memberships include American Academy of Orthopaedic Surgeons, American Society for Surgery of the Hand, Orthopaedics Overseas, International Wrist Investigators Workshop, and Pediatric Hand Study Group.



**Douglas Hutchinson, M.D.**  
Professor of Orthopaedics,  
School of Medicine,  
University of Utah

**May 11, 2017**  
**11:00 a.m. – 12:00 p.m.**  
FAU Engineering East  
777 Glades Rd, EE 303  
Boca Raton, FL

*For additional information about  
this lecture, please contact:*

*MaryJo Jackson at*  
[mrobin72@fau.edu](mailto:mrobin72@fau.edu)  
*or (561) 297-4889*