



The Center for Adaptive Neural Systems presents a symposium on  
**“Adaptation and Learning in Neuro-Biomechatronic Systems”**  
*Supported by National Science Foundation **SBE-0518697***

Location: Biodesign Auditorium  
 The Biodesign Institute at Arizona State University  
 Tempe, Arizona  
 March 22-23, 2007

**Catalyst: Center of Excellence in Adaptive Neuro-Biomechatronic Systems (CEANS)  
 A Planning Grant for a National Science Foundation Science of Learning Center**

**Thursday, March 22, 2007**

Time	Event
1:00pm-1:30pm	Introduction and Overview <b>Ranu Jung, Co-Director Center for Adaptive Neural Systems</b> Associate Professor of Bioengineering
1:30pm-2:30pm	<b>TITLE OF TALK</b> Apostolos P. Georgopoulos Director, Brain Sciences Center Professor of Neuroscience, Neurology and Psychiatry University of Minnesota
2:30pm-3:30pm	<b>“Neural representations of technology: Implications for rehabilitation”</b> Scott Frey Professor of Psychology Director, Lewis Center for Neuroimaging University of Oregon
3:30pm-4:00pm	<b>Break</b>
4:00pm-5:00pm	<b>“Neuroplasticity in biological systems”</b> David Fuller Assistant Professor Department of Physical Therapy McKnight Brain Institute University of Florida

**Friday, March 23, 2007**

Time	Event
8:45am-9:00am	INTRODUCTION
9:00am-10:00am	<b>TITLE OF TALK</b> Arunava Majumdar Professor and Member of National Academy of Engineering Departments of Mechanical Engineering & Materials Science & Engineering University of California, Berkeley
10:00am-11:00am	<b>“How can neural microimplants adapt to a changing biological system?”</b> Thomas Stieglitz Professor Director, Laboratory of Biomedical Microtechnology Institute for Microsystem Technology University of Freiburg (Germany)
11:00am- 11:30am	<b>Break</b>
11:30am-12:30pm	<b>“Dynamic Generation and Control of Spinal Location Signals and Its Application to Neural Prosthetic Devices”</b> Ralph Etienne-Cummings Associate Professor Department of Electrical and Computer Engineering John Hopkins University Director, Institute of Neuromorphic Engineering University of Maryland