

2012



Program





**TRG 2012 Meeting (Minneapolis) – Thursday 15 November 2012**

**7:45am – 8:20am Registration**

**Session 1**

- 8:20am – 8:40am** **Masashi Nakatani**, *“TECHTILE Toolkit: A New Tool for Assessing Vibrotactile Perception”*  
*Invited Demo Talk*  
Columbia University, USA
- 8:40am – 9:00am** **Aaron Suminski**, *“Somatosensory Responses in the Motor Cortex and Their Implications for Brain Machine Interfaces”*  
The University of Chicago, USA
- 9:00am – 9:20am** **Emily Bloesch**, *“Age-related Changes in Multisensory Integration in Peripersonal Space”*  
Washington University in St. Louis, USA
- 9:20am – 9:40am** **Krista Overvliet**, *“Perceptual Grouping in Haptic Search: the Influence of Task Difficulty”*  
University of Leuven, Belgium
- 9:40am – 10:00am** **Bei Xiao**, *“Can You Feel What You See? Visual and Tactile Perception of Material Properties”*  
Massachusetts Institute of Technology, USA

**10:00am – 10:10am Break**

**Session 2**

- 10:10am – 10:50am** **Thomas James**, *“Neural Substrates of Visuohaptic Object Recognition”*  
*Invited Talk*  
Indiana University, USA
- 10:50am – 11:30am** **Ryo Kitada**, *“Neural Substrates Underlying Haptic Recognition of Face and Bodyparts”*  
*Invited Talk*  
National Institute for Physiological Sciences, Japan

**11:30am – 1:00pm Lunch**



### Session 3

- 1:00pm – 1:40pm**  
*Invited Talk*     **Stephen Maricich**, *“Using Genetic Mouse Models to “Feel Out” Merkel Cell Development and Function”*  
Case Western Reserve University, USA
- 1:40pm – 2:20pm**  
*Invited Talk*     **Andrew Pruszynski**, *“Geometric Feature Extraction in the Human Tactile Periphery”*  
Umeå University, Sweden
- 2:20pm – 2:35pm**     **Louise Manfredi**, *“Natural Scenes in Tactile Texture Perception”*  
The University of Chicago, USA
- 2:40pm – 3:10pm**  
*Invited Talk*     **Sliman Bensmaia**, *“The Encoding of Natural Textures at the Somatosensory Periphery”*  
The University of Chicago, USA
- 3:10pm – 3:25pm**     **Hannes Saal**, *“Co-existence of Rate and Temporal Codes in Somatosensory Cortex”*  
The University of Chicago, USA

**3:25pm – 3:40pm**     **Break**

### Session 4

- 3:40pm – 4:20pm**  
*Invited Talk*     **Roberta Klatzky**, *“Using Haptics for Sensing and Manipulation in Tele-Robotics”*  
Carnegie Mellon University, USA
- 4:20pm – 5:00pm**  
*Invited Talk*     **Martina Rieger**, *“Tactile/Kinesthetic Feedback and Visual Feedback in Action Imagery”*  
University for Health Sciences, Medical Informatics and Technology, Austria
- 5:00pm – 5:20pm**     **Carly Kontra**, *“Embodied Physics Learning”*  
The University of Chicago, USA
- 5:20pm – 5:40pm**     **Amy Kalia**, *“Haptic Shape Perception by Blind and Sighted Individuals”*  
Massachusetts Institute of Technology, USA
- 5:40pm – 6:00pm**     **Nicholas Giudice**, *“Haptic Spatial Updating across the Lifespan”*  
University of Maine, USA

**Concluding remarks**