

# August 27, 2007 (Monday)

## [MA1] Haptic Interaction

Time: 09:00 ~ 11:20

Room: Room 1 (Halla Hall 1)

Session Co-Chairs: Sung-Chul Kang (KIST, Korea)

Wayne J. Book (Georgia Inst. of Tech., USA)

- 09:00-09:40 MA1-1 Haptics for and by Hydraulics**  
*Wayne J. Book (Georgia Inst. of Tech., USA)*
- 09:40-10:00 MA1-2 Electrotactile Display for Integration with Kinesthetic Display**  
*Katsunari Sato (The Univ. of Tokyo, Japan), Hiroyuki Kajimoto (The Univ. of Electro-Communications, Japan), Naoki Kawakami, and Susumu Tachi (The Univ. of Tokyo, Japan)*
- 10:00-10:20 MA1-3 Pen-like Haptic Interface and Its Application on Touch Screen**  
*Ki-Uk Kyung, JunYoung Lee, and Jun-Seok Park (ETRI, Korea)*
- 10:20-10:40 MA1-4 System Design and Evaluation of the Robot Tactile Sensor Using the Microbending Fiber Optic Sensors**  
*Jin-Seok Heo (KRISS, Korea), Cheol-Hee Han, and Jung-Ju Lee (KAIST, Korea)*
- 10:40-11:00 MA1-5 Sound Generation for the Haptic Perception using an Irregular Primitive Function**  
*Seung-Chan Kim (KAIST, Korea), Sung-Chul Kang (KIST, Korea), and Dong-Soo Kwon (KAIST, Korea)*
- 11:00-11:20 MA1-6 An Artificial Neural Network approach for Haptic Discrimination in Minimally Invasive Surgery**  
*Nicola Sgambelluri, Gaetano Valenza, Marcello Ferro, Giovanni Pioggia, Enzo P. Scilingo, Danilo De Rossi, and Antonio Bicchi (Univ. of Pisa, Italy)*