

[WA3] Human Factors and Evaluation Methods

Time: 10:00 ~ 12:00

Room: Room 3 (Halla Hall 3)

Session Co-Chairs: Curtis Nielsen (Idaho Nat'l Lab, USA)

Jung-Hoon Hwang (KAIST, Korea)

- 10:00-10:20 WA3-1 Proactive Robot Task Selection Given a Human Intention Estimate**
Andreas J. Schmid, Oliver Weede, and Heinz Worn (Univ. of Karlsruhe, Germany)
- 10:20-10:40 WA3-2 Survey of Psychophysiology Measurements Applied to Human-Robot Interaction**
Cindy L. Bethe, Robin R. Murphy, and Jennifer L. Burke (Univ. of South Florida, USA)
- 10:40-11:00 WA3-3 A Formal Method of Measuring Interactivity in HRI**
Jung-Hoon Hwang (KAIST, Korea), KangWoo Lee (Soongsil Univ., Korea), and Dong-Soo Kwon (KAIST, Korea)
- 11:00-11:20 WA3-4 "What Does it Do?" HRI Studies with the General Public**
Douglas A. Few, Christine M. Roman, David J. Bruemmer (St. Louis Science Center, USA), and William D. Smart (Idaho Nat'l Lab., USA)
- 11:20-11:40 WA3-5 A Neuroergonomic Approach for the Investigation of Cognitive Processes in Interactive Assembly Environments**
S. Stork, C. Stobel, H. Muller (LMU Munchen, Germany), M. Wiesbeck (Inst. fur Werkzeugmaschinen und Betriebswissenschaften, Germany), and A. Schubo (LMU Munchen, Germany)
- 11:40-12:00 WA3-6 Hiding the System from the User: Moving from Complex Mental Models to Elegant Metaphors**
Curtis W. Nielsen and David J. Bruemmer (Idaho Nat'l Lab., USA)