

[WC1] Tele-presence in HRI

Time: 16:30 ~ 18:30

Room: Room 1 (Halla Hall 1)

Session Co-Chairs: Martin Buss (Technische Univ., Germany)

Ning Xi (Michigan State Univ., USA)

16:30-16:50 WC1-1 A Multi-User Virtual Training System Concept and Objective Assessment of Trainings

Hasan Esen, Andreas Sachsenhauser (Technische Univ. Munchen, Germany), Yuta Komoguchi, Kenichi Yano (Gifu Univ., Japan), and Martin Buss (Technische Univ. Munchen, Germany)

16:50-17:10 WC1-3 Networked Human/Robot Cooperative Interface for Tele-diagnostics of Breast Pathology

Yantao Shen, Ning Xi, Nanda Methil-Sudhakaran, Ranjan Mukherjee, Danyu Zhu, Matt W. Mutka, Chi Zhang, Carol A. Slomski, and Keith N. Apeltgren (Michigan State Univ., USA)

17:10-17:30 WC1-4 Development and User Testing of the Gestural Joystick for Gloves-On Hazardous Environments

Jaewook Bae, Amy Larson (Univ. of Minnesota, USA), Richard Voyles, Roy Godzdanker (Univ. of Denver, USA), and Jan Pearce (Berea College, USA)

17:30-17:50 WC1-5 An Avoidance Method of Singular Configurations in a Master-Slave System Using Intervening Impedance

Kouichi Watanabe, Kiyohiro Sogen, Naoki Kawakami, and Susumu Tachi (The Univ. of Tokyo, Japan)

17:50-18:10 WC1-6 A Scaled Tele-Operation Powered by Haptic Illusion

Hisato Kobayashi, Keisuke Murakawa (Hosei Univ., Japan), Hiromi Mochiyama (Nagoya Inst. of Tech., Japan), Junya Tatsuno (Kinki Univ., Japan), and Hiroyuki Kawai (Kanazawa Inst. of Tech., Japan)