

## Biomedical Robotics II

**Date / Time** Aug. 22 (Mon.), 2022 / 14:00-15:30

**Room** Room 513

**Session Chair** Jungwon Yoon (*GIST*)

[MoO2C.1]

14:00-14:15

### Arbitration of Authority in Physical Human-Robot Collaboration with Combined Preventive and Reactive Fatigue Management

Álvaro Gil Andrés, Niek Beckers, David A. Abbink, and Luka Peternel

[MoO2C.2]

14:15-14:30

### Comparison of Human Trimanual Performance between Independent and Dependent Multiple-Limb Training Modes

Arnaud Allemang--Trivalle, Jonathan Eden, Yanpei Huang, Ekaterina Ivanova, and Etienne Burdet

[MoO2C.3]

14:30-14:45

### Adaptive Control of Underactuated Planar Pronking

Güner Dilşad ER and Mustafa Mert Ankaralı

[MoO2C.4]

14:45-15:00

### Concept of an Observation-Driven Android Robot-Patient with Individualized Communication Skills

Jan Hendrik Röhl, Sandra Hellmers, Rebecca Diekmann, and Andreas Hein

[MoO2C.5]

15:00-15:15

### Biologically Inspired Model for Timed Motion in Robotic Systems

Sebastian Doliwa, Muhammad Ayaz Hussain, Tim Sziburis, and Ioannis Iossifidis

[MoO2C.6]

15:15-15:30

### Cartesian Space Vibrotactile Cues Outperform Tool Space Cues when Moving from 2D to 3D Needle Insertion Task

Edoardo Battaglia and Ann Majewicz Fey