

Wearable Robotics II

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| Date / Time | Aug. 22 (Mon.), 2022 / 14:00-15:00 |
| Room | Room 517 |
| Session Chair | Youngjin Na (<i>Sookmyung Women's University</i>) |

[MoO2A.1]

14:00-14:15

A Data-Based Approach to Simultaneously Align Local and Global Frames between an Inertial Measurement Unit (IMU) and an Optical Motion Capture System

Yichu Jin, Yu Meng Zhou, Connor M. McCann, Tommaso Proietti, Chris H. Rycroft, and Conor J. Walsh

[MoO2A.2]

14:15-14:30

Changes in Gait Parameters due to Visual and Head Oscillations in Football Players and Non-Athletes

Fitsum E. Petros, Matthew E. Klenk, and Sunil K. Agrawal

[MoO2A.3]

14:30-14:45

Guiding a Human Follower with Interaction Forces: Implications on Physical Human-Robot Interaction

George L. Holmes, Keyri Moreno Bonnett, Amy Costa, Devin Burns, and Yun Seong Song

[MoO2A.4]

14:45-15:00

The Effect of Transcutaneous Spinal Cord Stimulation on Standing Postural Control in Healthy Adults

Robert M. Carrera, Isirame Omofuma, Bushra Yasin, and Sunil K. Agrawal