<table>
<thead>
<tr>
<th>Biomedical Robotics I</th>
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<tbody>
<tr>
<td><strong>Date / Time</strong></td>
<td>Aug. 22 (Mon.), 2022 / 10:15-11:45</td>
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<td><strong>Room</strong></td>
<td>Room 513</td>
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<tr>
<td><strong>Session Chair</strong></td>
<td>Bum No Ahn (KITECH)</td>
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**[MoO1C.1]** 10:15-10:30
Towards Humanoids using Personal Transporters: Learning to Ride a Segway from Humans
Vidyasagar Rajendran, Jonathan Feng-Shun Lin, and Katja Mombaur

**[MoO1C.2]** 10:30-10:45
Reinforcement Learning Based CPG Controller for a Soft Gastropod Robot and its Gaits Comparison Study
Wenci Xin, Wing Yin Ng, Flippy Tianle Pan, Yehui Li, Philip Wai Yan Chiu, and Zheng Li

**[MoO1C.3]** 10:45-11:00
Change in Muscle Synergies during Stairmill Ascent with External Forces on the Pelvis
Biing-Chwen Chang and Sunil K. Agrawal

**[MoO1C.4]** 11:00-11:15
Modulation of Prosthetic Ankle Plantarflexion through Direct Myoelectric Control of a Subject-Optimized Neuromuscular Model
Tony Shu, Christopher Shallal, Ethan Chun, Aashini Shah, Angel Bu, Daniel Levine, Seong Ho Yeon, Matthew Carney, Hyunjeun Song, Tsung-Han Hsieh, and Hugh M. Herr

**[MoO1C.5]** 11:15-11:30
Effectiveness of a Passive Neck Support Mechanism for Overhead Occupational Tasks
Marco Rossini, Sander De Bock, Vincent Ducastel, Kevin Langlois, Kevin De Pauw, Joost Geeroms, Carlos Rodriguez-Guerrero, and Dirk Lefeber

**[MoO1C.6]** 11:30-11:45
Evaluation of Human Body Balance Ability through Geometric Solution based on an Equivalent Model using an RGB Camera
Hang Thi Phuong Nguyen, Yeongju Woo, Choonsung Shin, and Hiyong Jeong