The 9th IEEE RAS/EMBS International Conference on Biomedical Robotics & Biomechatronics August 21 – 24, 2022 | Seoul National University, Seoul, Korea

Biomedical Robotics I	
Date / Time	Aug. 22 (Mon.), 2022 / 10:15-11:45
Room	Room 513
Session Chair	Bum No Ahn <i>(KITECH)</i>

[MoO1C.1]

Towards Humanoids using Personal Transporters: Learning to Ride a Segway from Humans

Vidyasagar Rajendran, Jonathan Feng-Shun Lin, and Katja Mombaur

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[MoO1C.2]

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]

Change in Muscle Synergies during Stairmill Ascentwith External Forces on the Pelvis Biing-Chwen Chang and Sunil K. Agrawal

[MoO1C.4]

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, Hyungeun Song, Tsung-Han Hsieh, and Hugh M. Herr

[MoO1C.5]

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]

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 Hieyong Jeong

11:00-11:15

10:45-11:00

11:30-11:45

10:15-10:30

10:30-10:45

11:15-11:30