<table>
<thead>
<tr>
<th>Poster Session 1-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Date / Time</strong></td>
</tr>
<tr>
<td><strong>Room</strong></td>
</tr>
</tbody>
</table>

[MoP1-1.1]
Sensorless Impedance Control for the TWIN Lower Limb Exoskeleton: A Preliminary Study
Alessia Sacchini, Federico Tessari, Christian Vassallo, Stefano Maludrottu, Elena De Momi, Matteo Laffranchi, and Lorenzo De Michieli

[MoP1-1.2]
Walking and Standing with an Exoskeleton for the Lower Limbs: Effects of Mass and Inertia on Gait and Postural Control
Pedro Parik-Americano, João Pedro Pinho, Fabia Camile dos Santos, Camila Taira, Guilherme Silva Umemura, and Arturo Forner-Cordero

[MoP1-1.3]
Motor Performance Index for Evaluation of Distributed Pattern in Multi-Channel EEG
Hojun Jeong and Jonghyun Kim

[MoP1-1.4]
Development of a Soft Inflatable Exosuit for Knee Flexion Assistance
Ibrahim Mohammed Hasan, Emiliano Quinones Yumbla, and Wenlong Zhang

[MoP1-1.5]
Model-Based Control for Gait Assistance in the Frontal Plane
Vahid Firouzi, Omid Mohseni, and Maziar A. Sharbafi

[MoP1-1.6]
Modeling and Characterization of 3D Printed Flexible Mesh Structure for Wearable Interface
Binghao Lu, Jirui Fu, Saba M. Hosseini, and Joon-Hyuk Park

[MoP1-1.7]
Soft Tactile Skin: Tactile Sensor System to Soften Robots
Taiki Majima and Kazunori Takashio
[MoP1-1.8] A Hybrid Swing-Assistive Electro-Hydrostatic Bionic Knee Design
Marco Puliti, Federico Tessari, Renato Galluzzi, Simone Traverso, Andrea Tonoli, Lorenzo De Michieli, and Matteo Laffranchi

[MoP1-1.9] Travelling Wave Locomotion of a Tensegrity Robotic Snake based on Self-Excitation Controllers
Xin Li, Jingfeng He, and Alexandre Pitti

[MoP1-1.10] Design and Control of a Variable Buoyancy Module for a Serial ROV
Santiago Noriega and Hernando Leon-Rodriguez

[MoP1-1.11] Comparison of In-Home Robotic Companion Pet Use in South Korea and the United States: A Case Study
Casey C. Bennett, Cedomir Stanojevic, Seongcheol Kim, Selma Sabanovic, Jinjae Lee, Jennifer A. Piatt, Janghoon Yu, and Jiyeong Oh

[MoP1-1.12] Stairs and Ramps Ascent and Descent: How to Design Feasible Gait Patterns for a Powered Lower-Limb Exoskeleton
Christian Vassallo, Gaia Zinni, Stefano Maludrottu, Matteo Laffranchi, and Lorenzo De Michieli

Olmo A. Moreno Franco, Jesus Ortiz, and Darwin G. Caldwell

[MoP1-1.14] A Magnetically-Controlled 3D-Printed Helical Microrobot for Application in Photothermal Treatment of Cancer Cells
Van Du Nguyen, Kim Tien Nguyen, Shirong Zheng, Chang-Sei Kim, Byungjeon Kang, Doyeon Bang, Jong-Oh Park, and Eunpyo Choi

Rongrong Liu and Seong Young Ko
[MoP1.16]
Evaluation of Haptic Interaction in Mirror Game by a Cerebellum Inspired Virtual Player
Önay Karaca, Amr Okasha, Atacan Duman, Umut Candan, and Kutluk B. Ankan

[MoP1.17]
Proportional Control of a Soft Cable-Driven Exoskeleton via a Myoelectrical Interface Enables Force-Controlled Finger Motions
Jonas Walter, Paul Roßmanith, Daniela Souza de Oliveira, Sebastian Reitelshöfer, Alessandro Del Vecchio, and Jorg Franke

[MoP1.18]
Electromyography-Based, Robust Hand Motion Classification Employing Temporal Multi-Channel Vision Transformers
Ricardo V. Godoy, Gustavo J. G. Lahr, Anany Dwivedi, Tharik J. S. Reis, Paulo H. Pólegato, Marcelo Becker, Glaucio A. P. Caurin, and Minas Liarokapis