



*The 16th International Conference on Intelligent
Robotics and Applications (ICIRA 2023)*

July 5-7, 2023 in Hangzhou, China

ICIRA 2023 Special Session Proposal

Title of the Proposal:

Evaluation of Wearable Robots for Assistance and Rehabilitation

Technical Outline of the Session and Topics:

Outline of the Session:

Wearable robots are effective tools for human performance augmentation, work-related injuries protection and stroke rehabilitation. Over the past two decades, extensive research has been conducted to develop wearable robots for assistance and rehabilitation. However, the evaluation of wearable robots is still an open challenge without a unified standard. Furthermore, novel evaluation methods and tools, such as shear wave tensiometers for characterizing Achilles tendon force modulation, are becoming a new focus in the field of wearable robotics. Therefore, aiming at presenting the latest research advances and the future trends in the evaluation of wearable robots, we propose this special session focusing on wearable robot evaluation in practical application scenarios and new evaluation methods/tools.

Topics of the Session:

- *Topic 1: Evaluation of Wearable Robots in Industrial Scenarios*
- *Topic 2: Clinical Evaluation of Wearable Robots for Rehabilitation*
- *Topic 3: New Evaluation Methods/Tools of Wearable Robots*
- *Topic 4: Preliminary Evaluation of the Latest Wearable Robots*

Contact details of the Session Organizers

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