



*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: Innovative Design and Performance Evaluation of Robot Mechanisms

Technical Outline of the Session and Topics:

Outline of the Session:

Mechanisms and robotics undertake the mission of innovating and inventing intelligent equipment with different forms and functions. Fundamental theory for mechanisms and robots is the basic subject in the field of mechanical engineering. In high-end manufacturing, rehabilitation therapy, aerospace and many other fields, mechanism and robotics play an active role, and the sound development of mechanisms and robotics is the key to enhance the level of national high-end equipment design. This session aims to bring up the researchers and industry experts to share new methods and new findings for innovative design and performance evaluation of robot mechanisms.

Topics of the Session:

- *Theoretical and applied kinematics;*
- *Mechanism synthesis and design;*
- *Analysis and design of robot manipulators;*
- *Novel types of parallel mechanisms;*
- *Deployable mechanisms and Metamorphic robots;*
- *Other related issues.*

Contact details of the Session Organizers

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