



FIRA 2020 Summit

Call for Participation

Deadline: 21st July 2020

2020 FIRA RoboWorldCup and Summit was planned to be held in San Luis of Brazil from 5th -8th August 2020. However, due to the COVID-19 pandemic, the FIRA RoboWorldCup 2020 in Brazil was replaced by a virtual/online robot competition and summit.

The purposes of organizing FIRA are to share many ideas and research results in robotics areas. Hence, the FIRA 2020 World Summit can still carry out online presentations to provide opportunities for participants of FIRA to share research works. The FIRA Summit is soliciting novel research results on advanced robotics, intelligent systems, and building successful simulations for robots and systems.

Summit Topics

Topics of interest include but are not limited to:

- High speed walking gaits and running robots (Sprinters)
- Active balancing, posture generators, and push recovery
- Energy-efficient walking gaits for long-distance running robots (Marathon runners)
- High accuracy control of motions and kinematics (Archery)
- Complex motion planning (Wall climbing)
- Human-robot interaction
- High-speed object tracking
- Robot personalities (Marvin, the depressed robot magician)
- Labeled vision data and ground truth for localization
- Team play and role assignment (Robot soccer)
- Attention in perception and reasoning
- Efficient architectures for intelligent sports and entertainment robots

Submissions

Papers submitted should be written in English and at least two pages in single-column formats.

All papers must be submitted via the EasyChair online submissions system:

<https://easychair.org/account/signin?l=a74dnyiiVbC42uiNzlMFJW#>

Selected papers will be recommended to submit to the Special Issue of the Knowledge Engineering Review, indexed in Science Citation Index (SCI) of Web of Science.

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