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IMPORTANT DATES

August 24th, 2020
Paper Submission Deadline

September 24th, 2020
Acceptance Notification

October 8th, 2020
**Submission of Final
Paper & Poster**

October 25th, 2020
Workshop

CALL FOR PAPERS

3rd Workshop at IROS 2020 on Proximity Perception in Robotics: Towards Multi-Modal Cognition

This workshop aims at exploring and showing the potential of proximity perception for cognitive robotics. Active proximity perception offers great potential for Human-Robot Interaction (HRI) as well as for modeling objects and the environment in a multi-modal context. It is complementary to vision and touch, and today the technology is mature enough to be deployed alongside cameras and tactile sensors.

This workshop has a joint poster & demo session. The prospective participants can aim at presenting novel results with posters. Additionally, we provide PhD-students the opportunity to present their work through short talks, posters and demos in a forum. For more information and the full program please visit our workshop website:

www.proxelsandtaxels.org

Submission for poster session or PhD forum:

Submission of a paper with a length of 2 pages (maximum 3 pages). Novel ideas/experimental results are required for acceptance of the paper. When submitting your paper for the PhD forum, please indicate that you are PhD student. Submission of the paper via E-Mail:

iros2020-workshop@joanneum.at

All submissions will be reviewed using a single-blind review process.

Topics of Interest**Proximity Sensors**

- Multi-Modal Sensors (tactile, shear, vibration, vision etc.)
- Sensor Calibration

Robotic Skins (architectures)**Bio-Inspired Robotics****Multi-Modal Sensors for
Soft Robotics****Application Domains for
Proximity Sensors**

- Human-Robot Interaction
- Human-Robot Collaboration
- Preshaping and Grasping
- Multi-Modal Exploration
- Prosthetics
- Underwater Robotics
- Multi-Modal Control
- Collision Avoidance, etc.

Support

IEEE RAS Technical Committee on Robotic Hands, Grasping and Manipulation
IEEE RAS Technical Committee on Haptics
IEEE RAS Technical Committee on Human Robot Interaction & Coordination
IEEE RAS Austria Section

WORKSHOP WEBSITE

www.proxelsandtaxels.org

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