

CALL FOR PAPERS

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IMPORTANT DATES

August 3rd, 2018
Paper Submission Deadline

September 3rd, 2018
Review Notification

September 13th, 2018
**Submission of Final
Paper & Poster**

October 1st, 2018
Workshop

WORKSHOP WEBSITE



www.proxelsandtaxels.org

1st Workshop on Proximity Perception at IROS 2018

In this workshop we bring the topic of Proximity Perception and its community into a spotlight. The goal of the workshop is to establish networks and a vivid community in Proximity Perception and open the topic to the wider robotics community, as we expect that Proximity Perception technologies will play an essential role for service and industrial robotics as well as for safe human-robot collaboration and compliant robotics applications in the near future.

In this workshop we will have a joint poster and demo session. The prospective participants can aim at presenting novel results with posters. For more information and the full program please visit our workshop website:

www.proxelsandtaxels.org

Submission for poster:

Submission of a paper with length of 2 pages (maximum 3 pages). Novel ideas/-experimental results are required for acceptance of the paper.

Submission of the paper via e-mail:

iros2018-workshop@joanneum.at

Robotics and Automation Letters (RAL) Special Issue:

We are planning on organizing a RAL Special Issue with the topic of Proximity Perception. If you are interested in contributing, let us know along your submission.

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

Topics of Interest

Proximity Sensors

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

Robotic Skins

Bridging from Tactile Perception to Proximity Perception

Application Domains for Proximity Sensors

- Human-Robot Interaction
- Human-Robot Collaboration
- Preshaping and Grasping
- Multi-Modal Exploration
- Assistive Robots
- Prosthetics
- Collision Avoidance, etc.

Support

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