

CALL FOR PAPERS

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IMPORTANT DATES

September 2nd, 2019

Paper Submission Deadline

October 2nd, 2019

Acceptance Notification

October 14th, 2019

**Submission of Final
Paper & Poster**

November 8th, 2019

Workshop

WORKSHOP WEBSITE



www.proxelsandtaxels.org

2nd Workshop on Proximity Perception at IROS 2019

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:

iros2019-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, etc.)
- Sensor Calibration

Robotic Skins

Bridging from Tactile Perception to Proximity Perception

Bio-inspired Robotics

Application Domains for Proximity Sensors

- Human-Robot Interaction
- Human-Robot Collaboration
- Preshaping and Grasping
- Multi-Modal Exploration
- Assistive Robots
- Prosthetics
- Underwater Robotics
- Multi-Modal Control
- 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

