IAV Student Workshop

Gdańsk University of Technology, Poland 3 – 5 July
as a part of 10th IFAC Symposium on Intelligent Autonomous Vehicles
http://konsulting.gda.pl/iav2019/web/

Call for Papers

Advanced mobile vehicles and robots have long been one of the main issues in engineering. They have various applications in emergency, lifeguarding and entertainment as well as in various industrial, civil and military systems. Among them, you can distinguish robots that can move in an open environment or operate only in predetermined confined spaces. Open world robots are very demanding because they have to map their environment, adapt to changes and make their own decisions. In addition, current trends in robotics point to different social aspects and the importance of robot friendliness for humans. The upcoming student workshop is an opportunity to present their research and development work in the area of autonomous mobile vehicles and robots. Students and young scientists in this field will be able to discuss theoretical and practical problems, describe scientific and commercial applications, and explore the directions and possibilities for future research.

You are invited to consider submitting a contribution on topics that include but are not limited to:

- Artificial Intelligence in Mobile Robotics
- Affective Computing
- Human Robot Interaction
- Applications of Cognitive Sciences
- Open World Description, Reasoning, and Mapping
- Humanoid Robots
- Computational and Machine Intelligence

- Cognitive Robotics
- Applications of Cognitive Sciences
- Human System Interface
- Behavior-based Robotics
- Distributed Intelligent Sensors
- Intelligent Systems: Agents and Robots
- Machine Learning
- Interaction between Human and Robot

The prospective presenters are invited to submit papers, 6-8 pages long, by sending them in PDF format to iav2019@konsulting.gda.pl by **June 10th**. The authors of selected submissions will be invited to submit a full-length paper to the IAV-associated journals: Robotics, Sensors, and PAR.

The workshop will be held as a part of **10th IFAC Symposium on Intelligent Autonomous Vehicles 2019** organized by the Gdańsk University of Technology, Faculty of Electronics, Telecommunications and Informatics, Department of Robotics and Decision Systems. The IAV Symposium, with a hundred of participants, combines the contribution of industry and academia, provides a place for interaction between these two sectors and offers the opportunity to showcase and discover innovative ideas.

The participant (listener or presenter) of the student workshop must pay a fee of 700 PLN / EUR200* by direct bank transfer (in PLN) to the conference account: (http://konsulting.gda.pl/iav2019/web/registration)

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* This amount (equivalent to "IAV exceeding paper") includes participation in the IAV conference, IAV Student Workshop and other accompanying events, excluding social events (banquet, concert and open air party / grill).
Note that the full fee of the Student participating in the IFAC Symposium on IAV is PLN 1250 / EUR350.

Important dates:	Organizers:
Draft Paper Submission: 19th of November, 2018 Paper Acceptance Notification: 25th February, 2019 Final Paper Submission: 25th March, 2019 Early Registration Deadline: 1st April, 2019 The event: 3rd July, 2019	• Michał Czubenko • Marek Tatara • Tomasz Merta