

Dr. Goran Huskić

Background

- March-April 2017: research stay at LAAS-CNRS, Toulouse, France
- since October 2013: PhD student at the Department of Cognitive Systems, University of Tübingen, Germany
- April-July 2013: research stay at the Chair of Systems Theory and Control Engineering, Saarland University, Saarbrücken, Germany
- 2011-2013: Master of Electrical Engineering, Department for Automatic Control and Electronics, Faculty of Electrical Engineering, Sarajevo, BiH
- 2008-2011: Bachelor of Electrical Engineering, Department for Automatic Control and Electronics, Faculty of Electrical Engineering, Sarajevo, BiH

Research Interests

- control theory
- robotics

Research Projects

- Control of Outdoor Robots at Higher Speeds on Challenging Terrain
- GeRoNa: Generic Robot Navigation

Robotic Competitions

- DLR SpaceBotCamp 2015
- SICK robot day 2014

Publications

- [1] Goran Huskić, Sebastian Buck, Matthieu Herrb, Simon Lacroix, and Andreas Zell. High-speed path following control of skid-steered vehicles. *The International Journal of Robotics Research*, page 0278364919859634, 2019.
- [2] Goran Huskić, Sebastian Buck, and Andreas Zell. Gerona: Generic robot navigation. *Journal of Intelligent & Robotic Systems*, pages 1--24, 2018.
- [3] Goran Huskić, Sebastian Buck, Luis Azareel Ibargüen González, and Andreas Zell. Person following at higher speeds using a skid-steered mobile robot. In *Intelligent Robots and Systems (IROS), 2017 IEEE/RSJ International Conference on*, Vancouver, Canada, September 2017.
- [4] Goran Huskić, Sebastian Buck, and Andreas Zell. Path following control of skid-steered wheeled mobile robots at higher speeds on different terrain types. In *IEEE International Conference on Robotics and Automation (ICRA)*, Singapore, 2017.
- [5] Goran Huskić, Sebastian Buck, and Andreas Zell. A simple and efficient path following algorithm for wheeled mobile robots. In *Intelligent Autonomous Systems (IAS), The 14th International Conference on*, Shanghai, CN, July 2016. [[DOI](#)]
- [6] Sebastian Buck, Richard Hanten, Goran Huskić, Gerald Rauscher, Alina Kloss, Jan Leininger, Eugen Ruff, Felix Widmaier, and Andreas Zell. Conclusions from an object-delivery robotic competition: Sick robot day 2014. In *Advanced Robotics (ICAR), The 17th International Conference on*, pages 137--143, Istanbul, TR, July 2015. [[DOI](#) | [link](#)]

- [7] Ran Liu, Goran Huskić, and Andreas Zell. On Tracking Dynamic Objects with Long Range Passive UHF RFID Using a Mobile Robot. *International Journal of Distributed Sensor Networks (IJDSN)*, Article ID 781380, 2015. [[link](#)]
- [8] Ran Liu, Goran Huskić, and Andreas Zell. Dynamic Objects Tracking with a Mobile Robot using Passive UHF RFID Tags. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014)*, Chicago, Illinois, USA, 2014.

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