

Dr. Radouane Ait Jellal



Background

- Since October 2013: PhD student at the University of Tübingen, Wilhelm-Schickard-Institute for Computer Science. Research area: Robot Vision
- October 2010 - August 2013: Master Visual Computing (Bildinformatik), University of Siegen, Germany
- August 2008 - July 2010: Software Engineer at Morpho Maroc (Former SAGEM Sécurité Maroc) Groupe SAFRAN, Casablanca Morocco
- September 2005 - June 2008: Diplôme d'Ingénieur d'Etat In Computer Science, University Mohamed 5, Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes ENSIAS, Rabat Morocco
- September 2003 - July 2005: Classes Préparatoires aux Grandes Ecoles CPGE, Safi Morocco
- September 2000 - June 2003: Baccaureat (Abitur) degree from the technical high school Ibn Al-Haytam, Ouarzazate Morocco

Research Interests

- Computer Vision
- Image Processing
- Stereo Vision
- Vision-Based SLAM
- Three-Dimensional Mapping

Current Projects

- Autonomous Flying Robots
- Stereo SLAM

Publications

- [1] Radouane Ait Jellal and Andreas Zell. Outdoor obstacle avoidance based on hybrid stereo visual slam for an autonomous quadrotor mav. In *IEEE 8th European Conference on Mobile Robots (ECMR)*, ENSTA ParisTech, Université Paris-Saclay, France, 2017.
- [2] Radouane Ait Jellal, Manuel Lange, Benjamin Wassermann, Andreas Schilling, and Andreas Zell. Ls-elas: Line segment based efficient large scale stereo matching. In *IEEE International Conference on Robotics and Automation (ICRA)*, Singapore, 2017.
- [3] Radouane Ait Jellal and Andreas Zell. A fast dense stereo matching algorithm with an application to 3d occupancy mapping using quadrocopters. In *The 17th International Conference on Advanced Robotics (ICAR)*, pages 587 -- 592, Istanbul, TR, July 2015.

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