

MR&O

MOBILE ROBOTICS & OLFACTION



aass
ÖREBRO UNIVERSITET

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Achim L. Lilienthal Senior Res. 2008 - Present	Nicola Androsch Senior Res. 2008 - Present	David Camilleri Senior Res. 2012 - Present
Abdullahi Raagana Senior Res. 2008 - Present	Marcello Cella Senior Res. 2002 - Present	Rasoul Moshayeshi Senior Res. 2008 - Present
Dirk Hähnel Senior Res. 2008 - Present	Stephan Ilies Senior Res. 2008 - Present	Martin Magnusson Senior Res. 2008 - Present
Sahar Asadi Senior Res. 2008 - Present	Vitor Hernandez Benito Senior Res. 2012 - Present	Robert King Senior Res. 2008 - Present
Rafael Mühlberger Senior Res. 2008 - Present	Stephan Paschke Senior Res. 2008 - Present	Mattias Rognmo Senior Res. 2008 - Present
Tobias Straßmann Senior Res. 2008 - Present	Morgan Body Senior Res. 2012 - Present	Annamaria Kury Senior Res. 2012 - Present



Prof. Achim Lilienthal

contact:

www.aass.oru.se/~lilien

achim.lilienthal@oru.se

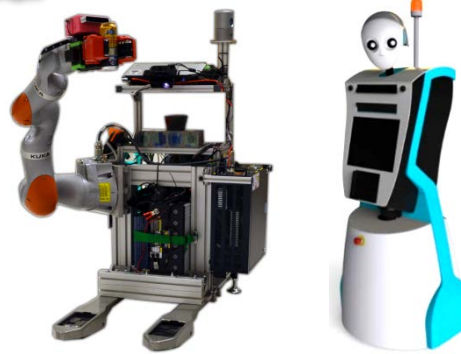


The AASS Mobile Robotics & Olfaction Lab in 2015*

- 15 Ph.D. students, 12 senior researchers
- 7 ongoing projects, funding > 1.3M€/y

Research Area 1: Mobile Transport Robots for Industrial Applications

- 3D perception, robot vision and navigation
- autonomous and safe long-term operation in the real world
- extensive technology transfer through collaborative projects with industrial partners
- autonomous forklifts, wheel loaders, mining vehicles, service robots on airports, in hospitals and for cleaning
- leader in Europe, key player world-wide



Research Area 2: Mobile Robot Olfaction

- gas sensing with sensor systems in open sampling configuration (from electronic to mobile nose)
- gas sensor networks for air pollution monitoring, mobile robots for surveillance of landfill sites, gas leak localization, gas-sensitive flying robots
- world-leading in mobile robot olfaction

