

Örebro University, AASS (www.oru.se/aass): A bird view

Research staff of 48

- 6 professors;
- 2 adjoint researchers from industry (ABB Automation Technologies, Västerås and Siemens Corporate R&D, Munich);
- 18 researchers;
- 22 PhD students;

Funding in 2012: 42 MSEK (72 % external and 28% internal)

PhD/Licentiate/Publications since 2001:

- 32 PhD theses;
- 10 Licentiate theses;
- 400 publications

NCSf citation index 2002-08: 1.17 (average international at 1.00)

Innovation:

- Founding member of **Robotdalen** and leading the Field Robotics Area



Two major research areas

1. Mobile robotics and olfaction (Docent Achim Lilienthal)

- **3D perception, mapping & safe navigation** applied to **professional autonomous vehicles** (forklift trucks, mining vehicles, wheel loaders); **environmental inspection** and **hospital logistics**;
- 7 KKS & VINNOVA projects with Atlas Copco Rock Drills, Volvo CE, Volvo Tech, Linde Material Handling, Kollmorgen, Fotonic, NCC Roads, Stora Enso
- 3 EC-ICT 7FP projects

2. Cognitive robotic systems (Prof. Alessandro Saffiotti)

- **Planning/scheduling, cognitive sensor systems, robot ecologies** applied to **elderly care** and **professional autonomous vehicles**.
- 3 VR projects and 2 VINNOVA projects;
- 4 EC-ICT FP7 projects and 1 EC-ICT FP7 AAL project

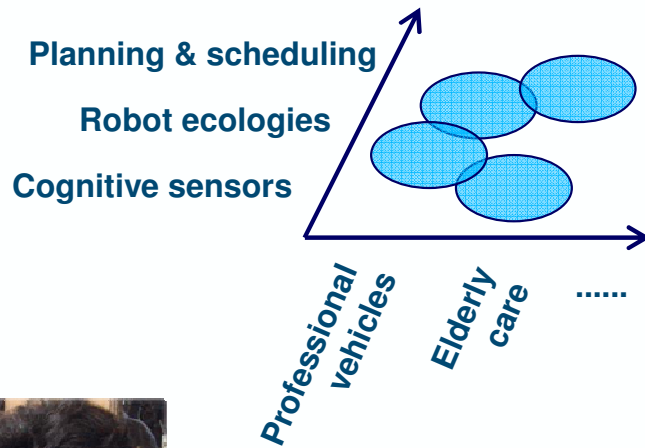


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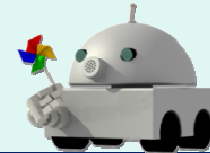


COGNITIVE ROBOTIC SYSTEMS

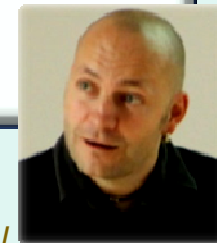
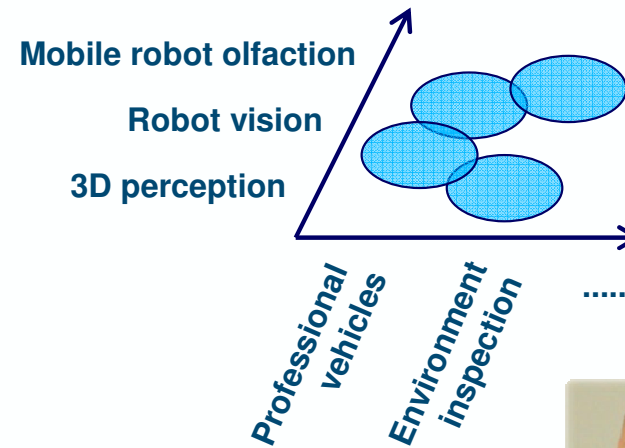
Cognitive Robotic Systems



Coord: Alessandro Saffiotti



Mobile Robotics & Olfaction



Coord: Achim Lilienthal



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