



Lund University

Karl-Erik Årzén, PMG, DMG



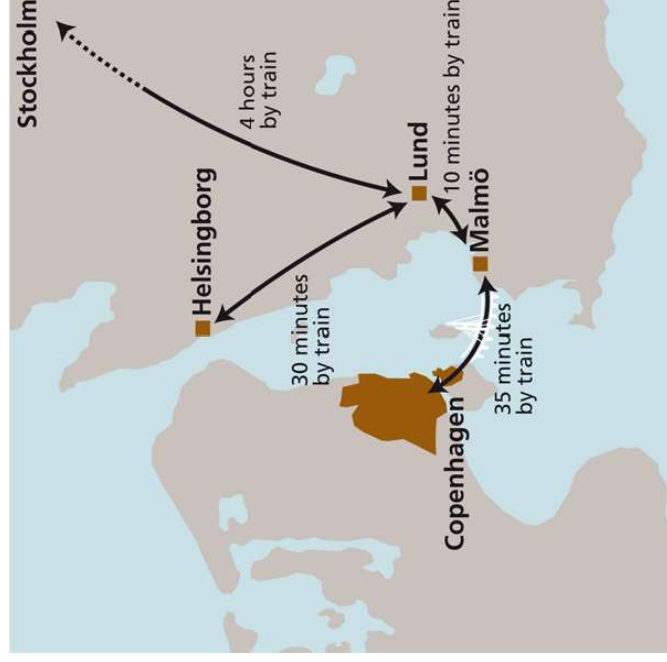


Lund University

EDUCATION, RESEARCH AND COLLABORATION SINCE 1666



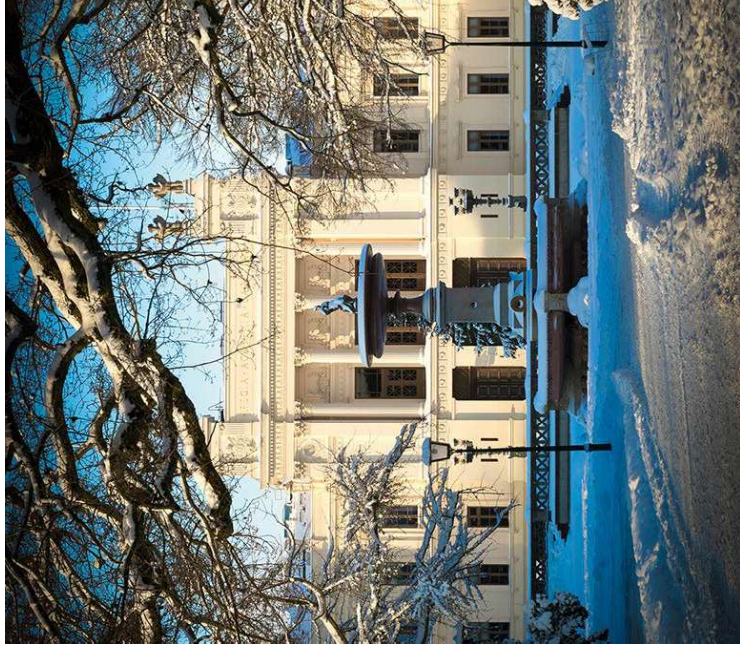
Location of Lund



- Lund - Copenhagen airport 35 minutes (train) – a perfect hub for travelling in Europe
- Lund - Malmö 10 minutes (train)
- Lund – Stockholm 4 hours (train)
- Malmö area (including Lund) is ranked the 4th most innovative region in the world (Forbes 2013)



Lund University



- Founded in 1666-68 **350 year jubilee!**
- 42 000 students (individuals/year)
- 7 400 employees
 - 800 professors
 - 4 200 lecturers/researchers and doctoral students
- Turnover EUR 800 million
 - 1/3 education, 2/3 research
- Ranking (2016):
 - QS World Univ Rankings: 73
 - Times Higher Education: 96
 - Shanghai ranking: 101-150

Strong research areas

- Materials science, surface physics and nanotechnology
- Advanced laser physics and spectroscopy
- Diabetes
- Cancer
- **Automatic control and complex systems**
- **IT and mobile communications**
- Neuroscience and neurodegenerative diseases
- Cognitive science
- Stem cell therapy
- Evolution, ecology, and animal migration patterns
- Environment, climate, sustainable systems and biodiversity
- Epidemiology
- Innovation and entrepreneurship
- Middle Eastern studies



The Faculty of Engineering LTH



- Founded in 1961
- 9 800 students
- 500 PhD students
- 1 500 employees
- 181 professors
- Engineering, Architecture and Industrial Design



Lund University in WASP

Currently four departments are involved:

- Automatic Control
- Computer Science
- Electrical and Information Technology
- Mathematical Imaging Group at Mathematics

22 PhD students

- 8 industrial PhD students
 - » Axis, Ericsson, Saab Kockums, ARM, Combitech, Advenica, Sony Mobile, Combain
- 3 affiliated PhD students



Senior Researchers in WASP

Automatic Control

Areas in WASP:

- Cloud autonomy, optimization and control, software adaptation, UAV control and planning, learning, WASP management

Persons:

- Karl-Erik Årzén
 - chair of WASP Program Management Group (PMG)
- Bo Bernhardsson
 - member of WASP Graduate School Management Group (GSM)
- Anders Rantzer
- Anton Cervin
- Martina Maggio
- Johan Eker
- Anders Robertsson



Senior Researchers in WASP

Computer Science

Areas in WASP:

- SW Technology, SW Engineering, DSL for distributed system, cognitive companions, GPU programming, AI and robotics

Persons:

- Christoph Reichenbach
 - WASP recruitment
- Per Runeson
- Görel Hedin
- Jacek Malec
- Michael Doggett
- Elin Anna Topp
- Volker Krüger
 - on-going WASP recruitment



Senior Researchers in WASP

Electrical and Information Technology (EIT)

Areas in WASP:

- Localization, security, autonomous clouds

Persons:

- Fredrik Tufvesson
- Martin Hell
- Maria Kihl
- Thomas Johansson

Mathematics

Areas in WASP:

- Vision, learning, localization

Persons:

- Kalle Åström
- Cristian Sminchisescu
- Magnus Oskarsson



PhD Students in WASP

University PhD Students Batch 1

PhD student	Main Supervisor	Major Cluster
Tommi Nylander	Karl-Erik Årzén	Autonomous Clouds and Networks
Hamed Sedaghi	Anders Rantzer	Large-Scale Optimization and Control
Alfred Åkesson	Görel Hedin	Software Technology
Rasmus Ros	Per Runeson	Software Engineering
Christian Nelson	Fredrik Tufvesson	Automated Transport Systems
David Gillsjö	Kalle Åström	Perception and Learning



PhD Students in WASP

University PhD Students Batch 2

PhD student	Main Supervisor	Major Cluster
Johan Ruuskanen	Anton Cervin	Autonomous Clouds and Networks
Claudio Mandrioli	Martina Maggio	Autonomous Clouds and Networks
Christian Rosdahl	Bo Bernhardsson	Large-Scale Optimization and Control
Erik Gärtner	Cristian Sminchisescu	AI and ML
Haorui Peng	Maria Kihl	Autonomous Clouds and Networks
Pegah Nikbakht Bideh	Martin Hell	Security
Noric Couderc	Christoph Reichenbach	Software Technology
3 additional recruitment PhDs	Computer Science	TBD



WASP PhD Students

Industrial PhD Students (Batch 1 and 2)

PhD student	Company	Main Supervisor	Major Cluster
Alexandre Martins	Axis	Karl-Erik Årzén	Autonomous Clouds and Networks
Per Skarin	Ericsson	Karl-Erik Årzén	Autonomous Clouds and Networks
Mårten Lager	Saab Kockums	Jacek Malec	Interaction and Communication
Olivier Moliner	Sony Mobile	Kalle Åström	AI and ML
Martin Larsson	Combain	Magnus Oscarsson	Localization
Joakim Brorsson	Advenica	Martin Hell	Security
Alexander Nilsson	Combitech	Thomas Johansson	Security
Gustaf Waldemarsson	ARM	Michael Doggett	Software Technology



WASP PhD Students

Affiliated PhD Students

PhD student	Main Advisor	Major Cluster
Victor Millnert	Johan Eker	Autonomous Clouds and Networks
Xuhong Li	Fredrik Tufvesson	Localization Systems
Marcus Greiff	Anders Robertsson	Localization Systems

