

	8:30	Registration and coffee	
	9:00	Welcome; Lars K. Rasmussen, ACCESS	
	9:05	Overview of ACCESS; Karl Henrik Johansson, ACCESS	
	9:20	"Opportunities in a Networked Society;" Sara Mazur, Head of Ericsson Research	
	9:50	"Provably Secure Execution Platform for Embedded Systems;" Mads Dam, ACCESS	
	10:30	<i>Coffee break</i>	
	10:45	"Security and Trust in a Networked Immersed World: From Components to Systems and Beyond;" John Baras, founding Director of the Institute of Systems Research (ISR), University of Maryland	
	11:30	"Sparsity in Signal Processing and Systems Identification;" Christian Rojas and Saikat Chatterjee, ACCESS	
	12:00	<i>Lunch and ACCESS Poster Session</i>	
	14:00	"Industrial Ethernet;" Gunnar Prytz, ABB Corporate Research,	
	14:30	"Top Ten Security Challenges for the Networked Society;" Mats Näslund, Principal Researcher Security, Ericsson Research	
	15:00	<i>Coffee break</i>	
	15:15	"5.9 GHz Car-2-Car Communications: Performance Analysis;" Paul Alexander, CTO and co-founder of Cohda Wireless Pty Ltd, Australia	
	16:00	Panel debate – <i>Opportunities and Challenges in a Connected World</i>	
		John Baras - University of Maryland, USA Mats Näslund , Ericsson Research, Sweden Roy Smith , ETH, Switzerland Pål Orten , ABB, Norway Paul Alexander , Cohda Wireless Pty Ltd, Australia Tony Sandberg , Scania, Sweden	
	17:00	Closing reception	
	19:00	Close of Workshop	



ACCESS Overview

Karl H. Johansson, Director





ACCESS Linnaeus Center

- ACCESS was established from a VR grant in 2006
- Developed into **one of Europe's largest university research centers** in networked systems
 - 36 faculty, 20 postdocs, 100 PhD students
 - Basic funding from VR (+10% from 2013)
 - Total annual research budget over 14 MEUR
- Significant **scientific results** and new programs
- Graduate school with **>40 graduated PhD's**
- **Faculty r** *"[ACCESS] is the largest and leading research center in its field in Europe, being able to generate world-class research and being highly attractive for international recruitments and exchanges."*
- Extensive
- External c



"[ACCESS] is the largest and leading research center in its field in Europe, being able to generate world-class research and being highly attractive for international recruitments and exchanges."

MID-TERM EVALUATION REPORT 2012



Networked Systems



Which are the fundamental principles and tools for the design of future networked systems?

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ACCESS Faculty Renewal Since 2006

Erik Aurell	Peter Händel	Panos Papadimitratos, EE Strat
Mats Bengtsson	Xiaoming Hu	Alexander Proutiere, ERC S, SRA, VR
Sonja Buchegger, SSF FFL, VR	Joakim Jaldén, SSF IG, VR	Lars Rasmusen, VR
Mads Dam	Magnus Jansson	Cristian Rojas, VR
György Dán, VR	Karl Henrik Johansson	Henrik Sandberg, SSF IG, VR, EE Str
Dimos Dimoragonas, VR	Mikael Johansson	Mikael Skoglund
Per Enqvist	Gunnar Karlsson	Rolf Stadler
Carlo Fischione, VR, SRA	Bastiaan Kleijn	Ragnar Thobaben, VR
Markus Flierl	Supriya Krishnamurthy, SRA	Bo Wahlberg
Victoria Fodor, VR	Anders Lindquist	Douglas Wikström, SSF IG
James Gross, SRA	Tobias Oechtering, SRA, VR	Ming Xiao, VR
Sarunas Girdzijauskas, SRA	Björn Ottersten	Per Zetterberg
Håkan Hjalmarsson		

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New Directions and Initiatives

- **Research**

- Security
 - 9:50 *Provably secure execution platform for embedded systems*, Mads Dam
- Big data
 - 11:30 *Sparsity in signal processing and systems identification*, Christian Rojas and Saikat Chatterjee


- **High-risk high-payoff seed projects (Call Spring 2013)**
- **Industrial seed projects (Call Spring 2013)**
- **Industrial internships for ACCESS PhD students**
- **Undergraduate summer program (Summer 2013)**
- **New experimental facilities**

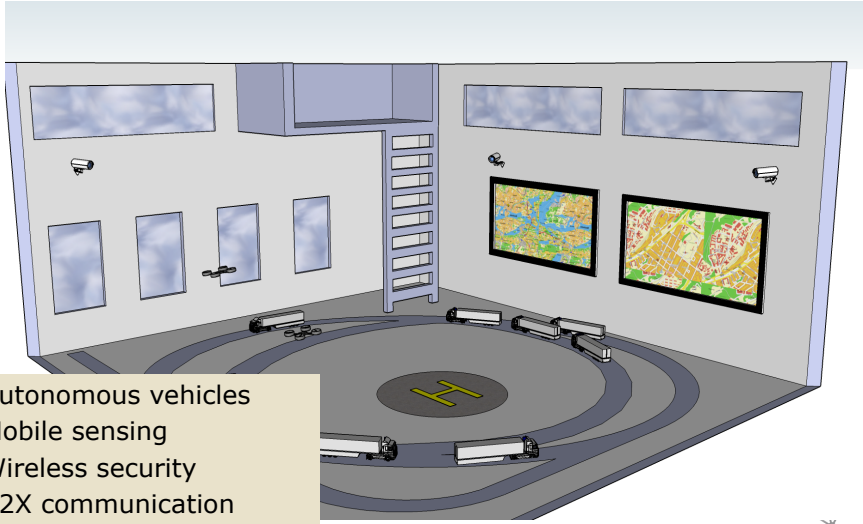


Industrial Internships for ACCESS PhD students


- **Strengthen contacts** between our >100 ACCESS PhD students and the industrial partners
- **Pilot program** developed by Mikael Höök (Ericsson), Pål Orten (ABB), Bo Wahlberg (ACCESS)
- PhD students may take a leave from KTH for a 2-3 months period to work at an ACCESS affiliated company on either a project not necessary related to thesis work, or continue thesis work while at the company.
- **Submit interest** to Kristina Gustafsson <kristin2@kth.se>




 Smart Mobility Lab Facilities



- Autonomous vehicles
- Mobile sensing
- Wireless security
- V2X communication



 ACCESS 2012-2016 and Beyond

- Firmly establish ACCESS as a top European research center
- Continue being a catalyst for new basic **research** directions
 - Short-term seed funding generates substantial added value
 - Long-term agenda allows high-risk research studies
- New major scientific thrust on **security and privacy**
- Continued attraction of excellent **people**
 - Internationally renowned grad school
 - Extended postdoc program
 - Female top-talent on all levels
- Significant contributor to KTH **strategies**:
 - Europe: EIT ICT Labs, EU Horizon 2020, etc
 - Sweden: SRA ICT TNG
 - KTH: ICT Platform, Vision 2027, etc

