

NOVEMBER 14

T I M E T A B L E

Security Link Workshop 2012

09:30-10:00	Coffee and registration		
10:00-10:40	Welcome and introduction Fredrik Gustafsson		
	Security Link Faculty Presentations		
10:40-11:00	Daniel Persson: Highlights in robust wireless communications in Security Link		
11:00-11:20	Mats Eriksson: Online, real-time drinking water monitoring		
11:20-11:40	David Törnqvist: Positioning for safety and security		
11:40-12:00	Misse Wester: Evidence-based crisis communication		
12:00-13:00	LUNCH		
13:00-14:30	Parallel Sessions I: Research Area Presentations		
	<i>Advanced sensors and detectors I</i>	<i>Robust wireless communications</i>	<i>Decision support and coordination for emergency and crisis response</i>
	Room: Visionen	Room: Signalen	Room: Systemet
14:30-15:15	Coffee & Posters		
15:15-16:45	Parallel Sessions II: Research Area Presentations		
	<i>Advanced sensors and detectors II</i>	<i>Sensor and information fusion</i>	<i>Risk analysis and ethics of crisis management</i>
	Room: Visionen	Room: Signalen	Room: Systemet
16:45-17:30	Mingle & Posters		

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13:00-14:30 **Parallel Sessions I: Research Area Presentations**

Advanced sensors and detectors I (Visionen)

Chair: Jörgen Ahlberg

Drinking water monitoring with macro-, micro- and nanoelectrodes (Mikhail Vagin, LiU)

Retrospective dosimetry and radiometrics after radiation exposures at Radiological Nuclear (RN) emergencies (Eva Lund, LiU)

Micro Doppler Analysis for Area Security (Svante Björklund, FOI)

Design and fabrication of receiver MMIC arrays (Jan Svedin, FOI)

Learning correspondences between camera images from object properties (Niclas Wadströmer, FOI)

Robust wireless communications (Signalen)

Chair: Erik G. Larsson

SUMIS: an efficient algorithm for MIMO detection (Mirsad Cirikic, LiU)

An early warning service for wireless communications (Kia Wiklundh, FOI)

Joint Source-Channel Decoding over MIMO Channels Based on Partial Marginalization (Daniel Persson, LiU)

Positioning and communications indoors and in tunnels (Peter Stenumgaard, FOI/LiU)

Decision support and coordination for emergency and crisis response (Systemet)

Decision support for crisis management (Henrik Eriksson, LiU)

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15:15-16:45 **Parallel Sessions II: Research Area Presentations**

Advanced sensors and detectors II (Visionen)

Chair: Mats Eriksson

Standoff imaging of a masked human face using a 670 GHz high-resolution radar (Jan Svedin, FOI)

Short Range Penetrating Radar (Dan Axelsson, Cinside)

Radar System Signal Processing for Food Safety (Henrik Petersson, FOI)

Remote Thermography (Jörgen Ahlberg, Termisk Systemteknik)

Stand-off Detection of explosive traces (Ema Seco, FOI)

Localization of IED manufacturing facilities (Petra Bååth, FOI)

Sensor and information fusion (Signalen)

Chair: Christina Grönwall

Ground Networks of Unattended Sensors (Hans Habberstad, FOI)

Video Analytics for Security Surveillance: Scene classification and anomaly detection based on tracks of objects
(Niclas Wadströmer, FOI)

Topics in Localization and Mapping (Jonas Callmer, LiU)

Sensor Architecture for the Recognition of threats to mobile assets (Maria Andersson, FOI)

Tracking and Planning for Surveillance Applications (Per Skoglar, LiU)

Risk analysis and ethics of crisis management (Systemet) **Chair: TBD**

Risk versus benefit? (Misse Wester, KTH)

Philosophical aspects of crisis management (Niklas Möller, KTH)

Privacy concerns in positioning systems (Jana Sochor, KTH)

Crisis management in the nuclear industry (Thomas Falk, KTH)

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POSTER SESSIONS

14:30-15:15 Coffee & Posters

16:45-17:30 Mingle & Posters

POSTERS

Massive MIMO: Enabler for Energy-efficient, Spectral efficient and Jamming resistant wireless communications

Infrared Network Cameras for Surveillance of Vulnerable Infrastructure

RadiaCopter: UAS Gamma Spectrometry for detection and identification of radioactive sources

Drinking water monitoring with voltammetric sensors

Microelectrode arrays for drinking water monitoring

Ground Networks of Unattended Sensors

Design and fabrication of receiver MMIC arrays

Standoff imaging of a masked human face using a 670 GHz high-resolution radar

Short Range Penetrating Radar

Radar System Signal Processing for Food Safety

Remote Thermography

Micro Doppler Analysis for Area Security

Video analytics Scene classification and anomaly detection based on tracks of objects

Learning correspondences between camera images from object properties

An Agile Search and Intelligence System for Detection of Hidden Explosive Material Production - EMPHASIS

Hyper-spectral imaging IED and explosives reconnaissance system - HYPERION

Localisation of threat substances in urban society – LOTUS

Ground floor

- Visionen
- Signalen

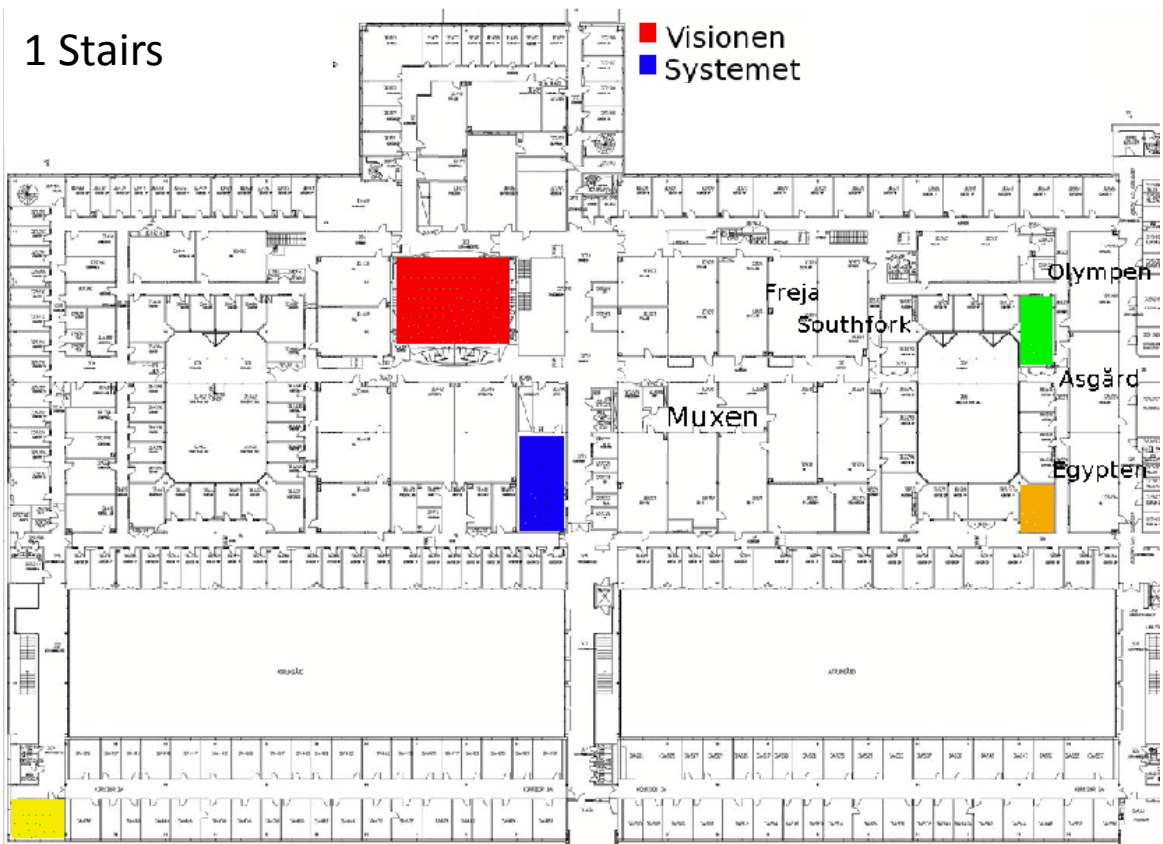


Entrance 29

Entrance 27

1 Stairs

- Visionen
- Systemet



Entrance 29

Entrance 27