

The Future of Risk Analysis in the Nordic Countries

1ST NORDIC CHAPTER RISK CONFERENCE

THE NORDIC CHAPTER OF SRA EUROPE AND LUND UNIVERSITY CENTRE FOR
RISK ASSESSMENT AND MANAGEMENT (LUCRAM)



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Program

MONDAY NOVEMBER 16TH					
10.30	Registration desk opens	@ Lobby of Elite Hotel, Ideon			
11.00	Lunch				
11.50	Conference opening	@ Conference room Elite Hotel, Ideon			
12.00	Keynotes:		Johannes Persson		
			Åsa Boholm		
13.00	Parallel sessions	ROOM		ID	Chair
		TERA	Risk and responsibility	I	Marja Ylönen
		GIGA	Managing variation in quality of evidence	F	Niklas Vareman
		MEGA	Climate change adaptation	G	Kristina Blennow
		MICRO	Improving risk management by learning from incidents and practices	D	Kerstin Eriksson
14.30	Break with coffee	@ Lobby of Elite Hotel, Ideon			
15.00	Keynotes:	@ TERA Elite Hotel, Ideon			
			Tomas Öberg		
			Terje Aven		
16.00	Parallel sessions	ROOM			
		TERA	Framing risk in theory and practice	E	Johannes Persson
		GIGA	The complex governance of risk	C	Åsa Knaggård
		MEGA	Critical infrastructure protection: methods, challenges and prospects	A	Henrik Hassel
		MICRO	Quantifying risk	J	Igor Kozine
18.00 - 20.00	Poster session with food and drinks	@ Pufendorf Institute, Biskopsgatan 3. See map			

TUESDAY NOVEMBER 17TH					
9.00	Parallel sessions	ROOM		ID	Chair
		TERA	Public health and risk perception	H	Daniel Slunge
		GIGA	Risk governance in a globalized, yet bordered world	K	Aiste Balzekiene
		MEGA	Quantifying risk and uncertainty	L	Ullrika Sahlin
		MICRO	Organisational capabilities for improved response, recovery and safety	B	Alexander Cedergren
10.30	Break with coffee	@ Lobby of Elite Hotel, Ideon			
11.00	Keynotes:	@ Conference room Elite Hotel, Ideon			
			David Gee		
			Ragnar Löfstedt		
	Panel discussion		Theme: The future of risk analysis in the Nordic countries		
	Conference closure				
12.30	Lunch	@ Lobby of Elite Hotel, Ideon			
13.00	Business meeting Nordic Chapter	@ GIGA Elite Hotel, Ideon			

Keynotes

SCIENCE AND PROVEN EXPERIENCE

Johannes Persson, Professor in Philosophy at Lund University, Sweden

RISK MANAGEMENT IN PRACTICE: LESSONS AND FINDINGS

Åsa Boholm, Professor in social anthropology at Gothenburg University, Sweden

SOCIO-ECONOMIC ANALYSIS IN CHEMICALS RISK MANAGEMENT

Tomas Öberg, European Chemical Agency (ECHA), Finland

WHAT IS RISK SCIENCE?

Terje Aven, Professor in Risk Analysis and Safety Management at the University of Stavanger, Norway

HOW CAN RISK ASSESSMENT EMBRACE THE REAL WORLD OF MULTIPLE STRESSORS, ACCUMULATIVE HARM, AND THE DEARTH OF DATA?

David Gee, Visiting Fellow, Institute of Environment, Health and Societies, Brunel University, Retired Senior Adviser on Science, Policy, Emerging Issues, European Environment Agency, Denmark

RISK RISK TRADEOFFS: WHAT SHOULD WE DO IN EUROPE?

Ragnar Löfstedt, Professor of Risk Management and Director of King's Centre for Risk Management, King's College London, UK

Business meeting for Nordic Chapter SRA Europe

Tuesday 13 – ca 14.30 in room GIGA, Elite Hotel Ideon, Lund, Sweden.

We welcome SRA members and non-members to a Business meeting of the SRA-E: Nordic chapter.

The purpose of the meeting is to elect members of the Board and to discuss ongoing and future activities to bring together individuals and organisations interested in risk assessment, risk management and risk communication in Europe.

Send a mail to Riskconf2015@lucram.lu.se if you would like to join via a link!

Welcome to share your ideas and competence.

Ullrika Sahlin President of SRA-E: NORDIC interim Board

The objectives of the SRA-E: NORDIC are:

- To promote risk research and knowledge and understanding of risk analysis techniques within the Nordic and Baltic countries. The Nordic and Baltic countries includes: Denmark (incl. Greenland), Estonia, Faroe Islands, Finland, Iceland, Latvia, Lithuania, Norway, and Sweden.
- To identify and address specifically Nordic and Baltic issues in the field of risk, to promote debate, and to impress upon decision-makers the usefulness of risk research, critical analyses and risk analysis in dealing with such issues.
- To act as a focal point for communication with risk researchers and analysts in other parts of the world.
- To facilitate exchanges of information and opinion between professionals in industry, government, universities, research institutes, and consultancies, with the aim of furthering research and improving the practical application of risk analysis and risk management.
- To convene and promote scientific and educational meetings on risk research, risk analysis and risk management in the Nordic countries.

Sessions

I RISK AND RESPONSIBILITY – ROOM TERA, MONDAY 13 – 14.30

Responsibilisation or empowerment: Reflections on the notion of resilience

Johan Bergström, Division for Risk Management and Societal Safety Lund University

Risk and Resilience

Marja Ylönen, Technical research Centre of Finland (VTT)

Citizen valuations for better risk decisions

Erik Persson, Swedish University of Agricultural Sciences (SLU), Alnarp, Sweden and Umeå University, Sweden, *Dario Cianciarulo*, SLU, Sweden, *Kristina Blennow*, SLU, Sweden

Towards collaborative governance arrangements for climate change adaptation:

Tracing citizen–municipality interactions

Ebba Brink, PhD student at Lund University Centre for Sustainability Studies (LUCSUS)

G CLIMATE CHANGE ADAPTATION – ROOM MEGA, MONDAY 13 – 14.30

The EU Floods Directive in Sweden: keys for successful implementation in terms of sustainable flood risk management procedures

Beatrice Hedelin, Centre of Climate and Safety, Karlstad University, Sweden.

Addressing Climate Change in Coastal Areas in South Sweden - Risk Perception, Knowledge, and Coastal Management in Ystad Municipality

Andrea Morf, Madeleine Prutzer, School of Global Studies, University of Gothenburg, Sweden

Proactive flood response using complementary early warning information

Erik Persson, Karlstad University, Centre for Climate and Safety, Karlstad, Sweden.

Understanding risk for effective risk communication

Kristina Blennow, Dept. of Landscape Architecture, Planning and Management, SLU, Alnarp, *Johannes Persson*, Dept. of Philosophy, Lund University, Sweden, *Annika Wallin*, Cognitive Science, Lund University, *Niklas Vareman*, Medical Ethics, Lund University, *Erik Persson*, Dept. of Landscape Architecture, Planning and Management, SLU, Alnarp, and Dept. of Philosophy, Umeå University

F MANAGING VARIATION IN QUALITY OF EVIDENCE – ROOM GIGA, MONDAY 13 – 14.30

Quality of evidence in GRADE

Sten Anttila, Swedish Agency for Health Technology Assessment and Assessment of Social Services (SBU), Sweden, *Johannes Persson*, Dept. of Philosophy, Lund University, *Niklas Vareman*, Medical Ethics, Lund University, *Nils-Eric Sahlin*, Medical Ethics, Lund University.

The challenge of assessing risk for pollinators of pesticide exposure in real landscapes

Maj Rundlöf, Dept. of Biology, Lund University, *Lina Herbertsson*, Centre for Environmental and Climate Research, Lund University, *Henrik G. Smith*, Dept. of Biology and Centre for Environmental and Climate Research, Lund University.

What do we need to be confident? - A comparison between the confidence concepts used by the IPCC and by GRADE

Niklas Vareman, Medical Ethics, Lund University.

Dealing with an alien crayfish under sparse information and ambiguity

Ullrika Sahlin, Centre for Environmental and Climate Research, Lund University, and *Matthias C. M. Troffaes*, Durham University.

D IMPROVING RISK MANAGEMENT BY LEARNING FROM INCIDENTS AND PRACTICES – ROOM MICRO, MONDAY 13 – 14.30

Exploring the raison d'être of an incident reporting system in an elementary school

Christina Mauléon, Borås University and Gothenburg Research Institute, *Maria Spante*, University West

The implementing problems of theoretical models of risk management in urban planning Stockholm County

Mateusz Sosnowski, County Administrative Board in Stockholm.

Failure to learn after accidents – the lamentable situation in Denmark

Frank Huess Hedlund, COWI, Denmark

How to Make the Right Security Decision Concerning Staff Members Abroad in an Upcoming Situation - a case study of "Quality and Tabloid" Media's Risk Communication

Per Gustafson, Dept. of Design Science, Lund University

C THE COMPLEX GOVERNANCE OF RISK – ROOM GIGA, MONDAY 16 – 17.30

Evaluation of road tunnel fire safety and risk

Jonatan Gehandler, SP Technical Research Institute of Sweden.

Risk governance of critical infrastructures

Alexander Cedergren, Division of Risk Management and Societal Safety, Lund University, *Jonas Johansson*, Division of Industrial Electrical Engineering and Automation, Lund University, *Linn Svegrupp*, Division of Risk Management and Societal Safety, Lund University, *Henrik Hassel*, Division of Risk Management and Societal Safety, Lund University, *Björn Arvidsson*, Division of Risk Management and Societal Safety, Lund University.

Can prescriptive and performance-based risk management coexist?

Nijs Jan Duijm, DTU Management Engineering, Denmark

Risk, uncertainty and robust decision-making

Åsa Knaggård, Lund University, Sweden

A CRITICAL INFRASTRUCTURE PROTECTION: METHODS, CHALLENGES AND PROSPECTS – ROOM MEGA, MONDAY 16 – 17.30

Empirical data for cascading effects in critical infrastructures

Björn Arvidsson, Division of Risk Management and Societal Safety, Lund University, *Jonas Johansson*, Division of Industrial Electrical Engineering and Automation, Lund University, *Henrik Hassel*, Division of Risk Management and Societal Safety, Lund University, *Alexander Cedergren*, Division of Risk Management and Societal Safety, Lund University, *Linn Svegrupp*, Division of Risk Management and Societal Safety, Lund University.

Modelling and simulation of interdependent critical infrastructures

Linn Svegrupp, Division of Risk Management and Societal Safety, Lund University, *Jonas Johansson*, Division of Industrial Electrical Engineering and Automation, Lund University, *Henrik Hassel*, Division of Risk Management and Societal Safety, Lund University, *Alexander Cedergren*, Division of Risk Management and Societal Safety, Lund University, *Björn Arvidsson*, Division of Risk Management and Societal Safety, Lund University.

Critical Infrastructures – Concepts and five challenges from a risk perspective on interdependencies

Jonas Johansson, Division of Industrial Electrical Engineering and Automation, Lund University, *Henrik Hassel*, Division of Risk Management and Societal Safety, Lund University, *Alexander Cedergren*, Division of Risk Management and Societal Safety, Lund University, *Linn Svegrupp*, Division of Risk Management and Societal Safety, Lund University, *Björn Arvidsson*, Division of Risk Management and Societal Safety, Lund University, *Finn Landegren*, Division of Industrial Electrical Engineering and Automation, Lund University.

Capturing interdependencies between critical societal functions

Henrik Hassel, Division of Risk Management and Societal Safety, Lund University, *Jonas Johansson*, Division of Industrial Electrical Engineering and Automation, Lund University, *Alexander Cedergren*, Division of Risk Management and Societal Safety, Lund University, *Linn Svegrup*, Division of Risk Management and Societal Safety, Lund University, *Björn Arvidsson*, Division of Risk Management and Societal Safety, Lund University.

E FRAMING RISK IN THEORY AND PRACTICE – ROOM TERA, MONDAY 16 – 17.30

Connecting dots - in pursuit of a holistic risk picture

Peter Månsson, Division of Risk Management and Societal Safety, Lund University

Risk association: Towards a theoretically informed framework for the analysis of risk in discourse

Max Boholm, Gothenburg Research Institute, University of Gothenburg.

The influence of political polarization on public risk perceptions and support for climate mitigation policy

Stefan Linde, Luleå University of Technology.

How can the usefulness of capability assessments be improved?

Hanna Lindbom, *Henrik Tehler*, *Tove Frykmer*, *Christian Uhr*, Division of Risk Management and Societal Safety, Lund University.

J QUANTIFYING RISK – ROOM MICRO, MONDAY 16 – 17.30

What is the risk of dying when exposed to a landslide?

Tonje Grahn, Karlstad University, Sweden

Managing soil natural capital: An effective strategy for mitigating future agricultural risks

Rong-Gang Cong, Centre for Environmental and Climate Research (CEC), Lund University, *Katarina Hedlund*, CEC and Dept. of Biology, Lund University, *Hans Andersson*, Dept. of Economics, Swedish University of Agricultural Sciences, Uppsala, Sweden, *Mark Brady*, CEC and AgriFood Economics Centre, Dept. of Economics, Swedish University of Agricultural Sciences, Lund, Sweden.

The Risk Thermometer - A tool for risk comparison

Sand S., *Bjerselius R.*, *Busk L.*, *Eneroth H.*, *Sanner Färnstrand J.*, *Lindqvist L.*, Swedish National Food Agency, Uppsala, Sweden.

H PUBLIC HEALTH AND RISK PERCEPTION – ROOM TERA, TUESDAY 9 – 10.30

Drinking water risk management. Municipal challenges: a Swedish case study

Åsa Boholm, GRi & School of Global Studies, University of Gothenburg, *Madeleine Prutzer*, School of Global Studies, University of Gothenburg, *Anna Bendz*, Dept. of Political Science, University of Gothenburg.

Risk Perceptions, Protective Behaviour and Tick-borne Diseases

Daniel Slunge and *Anders Boman*, Dept. of Economics, University of Gothenburg.

Linking land use in agricultural landscapes to Lyme borreliosis infection risk and underlying host-parasite networks

Dagmar Clough, Lund University.

The Effects of Precautionary Messages about Electromagnetic Fields from Mobile Phones and Base Stations revisited: The Role of Recipient Characteristics

Christoph Boehmert, Department of Science Communication, Karlsruhe Institute of Technology, Germany and School of Psychology, University of Wollongong, Australia, *Peter M. Wiedemann*, University of Wollongong, Australia, *Jonathan Pye*, University of Sydney and University of Wollongong, Australia *Rodney J. Croft*, Australian Centre for Electromagnetic Bioeffects Research, University of Wollongong, Australia

K RISK GOVERNANCE IN A GLOBALIZED, YET BORDERED WORLD – ROOM GIGA, TUESDAY 9 – 10.30

New Breeding Techniques and the Risk of Innovation

Artem Anyshchenko, Centre for Public Regulation and Administration, Faculty of Law, University of Copenhagen

Supply Chain Risk Management

Ulf Paulsson, School of Economics and Management, Lund University

Risk Communication: Role of Public Participation in Regulation of Biotechnology in China and the EU

Wen Xiang, Faculty of Law, University of Copenhagen.

A failure of the European Neighbourhood Policy as an effect of an inadequate risk management strategy

Anna Moraczewska, *Maria Curie-Skłodowska* University, Dept. of International Relations, Lublin, Poland.

B ORGANISATIONAL CAPABILITIES FOR IMPROVED RESPONSE, RECOVERY AND SAFETY – ROOM MICRO, TUESDAY 9 – 10.30

Safety Culture Assessment using Mixed Methods – A Case Study

Sandra Hobenboom, Consultant, Safety, DNV GL-Oil & Gas. Norway.

Safety margins, recovery and resilience of electric distribution systems

Finn Landegren, Jonas Johansson & Olof Samuelsson, Division of Industrial Electrical Engineering and Automation, Lund University, Lund, Sweden.

Improving Conditions In Inter Organizational Collaboration In Crisis Response Management & Practice

Roshni Pramanik, Division of Risk Management and Societal Safety, Faculty of Engineering, Lund University, Sweden.

L QUANTIFYING RISK AND UNCERTAINTY – ROOM MEGA, TUESDAY 9 – 10.30

Risks under non fault conditions created by function limitations

Tord Wullt, Consultant within quality, dependability and safety.

Unforeseen Accidents: Improving Risk Management Practices and Predictability

Taylor R. and Kozine I., Technical University of Denmark

The risk with overestimating the risk – the example of metal exposure via drinking water around contaminated glass works sites

Augustsson A., Uddh Söderberg T., Linné University, Kalmar, Sweden.

Exploring risk-risk trade-offs between pesticide use, ecosystem services enhancement and farmers profits using one measure of uncertainty

Cecilia Olsson, Yann Clough, Henrik Smith, Mark Brady, Ullrika Sahlin, Centre for Environmental and Climate Research, Lund University.

Poster session

PUFENDORF INSTITUTE, CLASSICUM, BISKOPSGATAN 3, MONDAY 18 – 20

Rationale for risk evaluation

Jonatan Gehandler, SP Technical Research institute of Sweden

Global system error and solution

Christer Nylander, private person.

The variability in bioconcentration factors and the importance of these in probabilistic risk assessments

Terese Uddh Söderberg, Department of Biology and Environmental Science, Linnaeus University

Synthesis analysis for future burned area for Europe under “business as usual” scenarios

Minchaou Wu, Jan Blanke, Department of Physical Geography and Ecosystem Science, LU, Ullrika Sahlin, CEC LU.

Using precise and imprecise probabilities to communicate unreliability in complex assessments exemplified on the use of QSARs to fill the algae data gaps in LCAs of plastic additives

Julia Grönholdt Palm, CEC LU, Tomas Rydberg, Magnus Rahmberg, Hanna Andersson, IVL, Ullrika Sahlin, CEC LU.

Development of Quality Assessment Tool to Gauge Fire Response Activities of Emergency Personnel in Denmark

Jennifer E. Lynette, Metropolitan University College Copenhagen Denmark

Organised behaviour in the Swedish fire and rescue service – a case study

Tove Frykmer, Lund University

A risk analysis approach for pollution response fleet management in the Northern Baltic

Floris Goerlandt, Aalto University, School of Engineering, Finland.

ZOFORISK: Rapid risk assessment and communication during zoonotic events that concern more than one authority in the health risk area

Karin Nyberg, Christian Ebbersten, Linda Hallenberg, Jonas Hardenstam, Cecilia Hultén, Sara Johansson, Ingrid Nilsson, Åsa Svanström and Kaisa Sörén. Livsmedelsverket, Folkhälsomyndigheten, SVA.

Utilising visual risk communication to alert hospital staff to potential hazards to patient safety in routinely collected data: a visually compelling fluid balance bar chart

Chris Bennet, Kings Centre for Risk Management, Kings College, London.

Generalized Methodology for Socio-technical Risks Governance: Concept of Interdisciplinary Risk – Laboratory

Balzekiene, A., Gaule E., Jasinevicius R., Meskauskas Z., Petrauskas V., Zolubiene E. Kaunas University of Technology, Lithuania

Risk perception measurement in studies testing communications of precautionary or protective measures

Christoph Boehmert, Karlsruhe Institute of Technology, Department of Science Communication.

Scientific steering committee

Ragnar Löfstedt, King's College London, UK

Johannes Persson, Lund University, Sweden

Åsa Boholm, University of Gothenburg, Sweden

Lars Bodsberg, SINTEF, Norway (Board member SRAE:NC)

Kurt Petersen, Lund University, Sweden (LUCRAM)

Kerstin Eriksson, Technical Research Institute of Sweden

Kristina Blennow, Swedish Agricultural University, Sweden

Ullrika Sahlin, Lund University, Sweden (President SRAE:NC)

Marja Ylönen, University of Jyväskylä, Finland (Elected President SRAE:NC)

Susanne Öhman, Mid Sweden University, Sweden (Board member SRAE:NC)

Igor Kozine Technical University of Denmark, Denmark (Board member SRAE:NC)

Local organizing committee

Ullrika Sahlin (Centre of Environmental and Climate research LU) Chair

Åsa Knaggård (Political Science LU) Co-chair

Johannes Persson (Science and Proven Experience, Department of Philosophy LU)

Kerstin Eriksson (SP Technical Research Institute of Sweden)

Kristina Blennow (Department of Landscape Architecture, Planning and Management SLU)

Annika Wallin (Cognitive Science LU)

Henrik Hassel (Division of Risk Management and Societal Safety LU)

Alexander Cedergren (Division of Risk Management and Societal Safety LU)

Niklas Vareman (Science and Proven Experience LU)

Erik Persson (LU)

Jonas Borell (Ergonomics and Aerosol Technology LU)

Lena Wahlberg (Faculty of Law LU)

Christine Wransler (Lund University Centre for Sustainability studies LUCSUS)

Linnea Hemmarö (SP Technical Research Institute of Sweden)

Annika Malmgren Widerberg (CEC LU)



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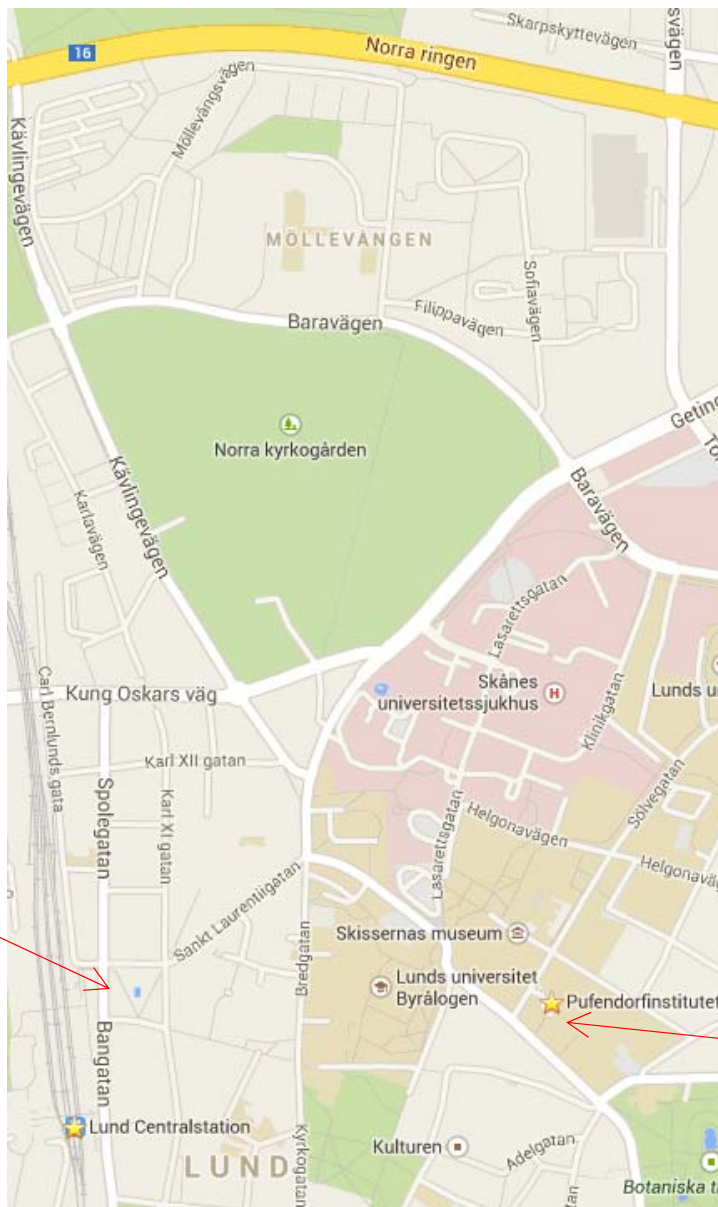


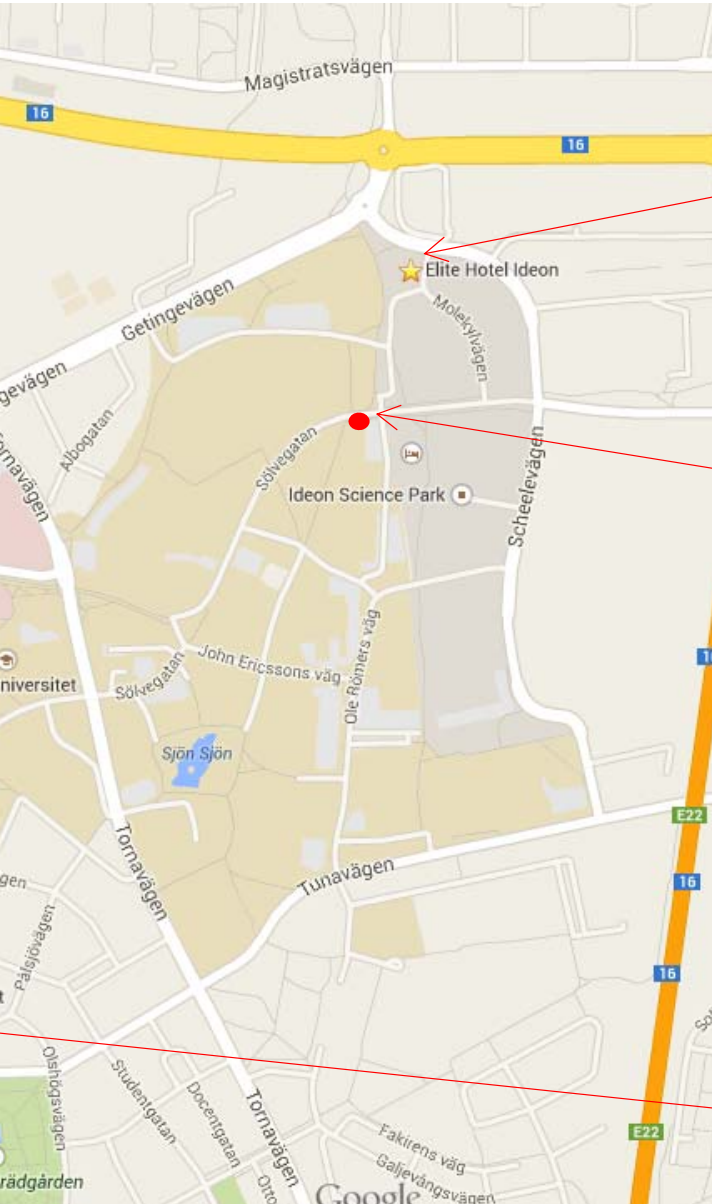
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Conference venue

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Poster session



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