7. NOVEMBER 2018

At the University of Stavanger
Kjølv Egelands hus

PRE-CONFERENCE WORKSHOPS
16.15-19.00

A tutorial in quantifying uncertainty by probability
By Ullrika Sahlin, Lund University, Sweden
Location: Kjølv Egelands hus, Room D301

Visualising and analysing public perceptions of risk and security using online tools
By Aiste Balžekienė, Kaunas University of Technology, Lithuania
Location: Kjølv Egelands hus, Room D302

Gender perspectives in risk and societal safety
By Kristin Serung Scharffscher, University of Stavanger, Norway
Location: Kjølv Egelands hus, Room D303

Regulation and Standardization
By Ole Andreas Engen, University of Stavanger, and Jacob Kringen, The Norwegian Directorate for Civil Protection (DSB), Norway
Location: Kjølv Egelands hus, Room C334

SOCIAL GATHERING/RECEPTION
19.00-20.30
Location: the SEROS-corridor
Kjølv Egeland hus, University of Stavanger

20.30
Buss from University of Stavanger to Radisson Blu Atlantic Hotel

8. NOVEMBER 2018

At Radisson Blu Atlantic Hotel, Stavanger

8.30 - 9.00: Registration

9.00 - 9.30 Conference opening
Marit Boyesen Rector, University of Stavanger
Welcome by SRA president Terje Aven
Introduction by chair Sissel H. Jore

9.30-10.30 Keynote speakers

Professor Seth Guikema: Risk, Resilience, and Sustainability: Adapting to a Changing World.
Professor Frederic E. Bouder: Risk Policy in the 21st Century: Towards a safer world?

10.30 - 11.00 Coffee break

11.00 - 12.30 Parallel sessions I

12.30 - 13.30 Lunch

13.30 - 14.45 Parallel sessions II

14.45 - 15.15 Coffee break

15.15 - 16.30 Parallel sessions III

16.30 - 17.45 Coffee break

16.45 - 17.45 Keynote speakers

Professor Genserik Reniers: Safety and security in the chemical industry: A new paradigm and the vision for the future in the Netherlands.
Professor Odd Einar Olsen: The standardisation of risk versus the risk of standardization.

17.45 SRA Nordic meeting

19.00 Conference dinner
Location: Kiellandsalen

9. NOVEMBER 2018

At Radisson Blu Atlantic Hotel, Stavanger

8.30 - 9.00: Registration

9.00 - 9.30 Keynote speaker

Professor Erik Hollnagel: Black holes and dark matter in the safety universe.

9.30 - 11.00 Roundtable
The call for a shift from risk to resilience: What does it mean?
Participants:
Terje Aven (Chair)
Frederic Bouder
Seth Guikema
Erik Hollnagel
Genserik Reniers

11.00 - 11.15: Coffee break

11.15 - 12.30: Parallel sessions III

12.30 - 13.30: Lunch

13.30 - 14.30: Keynote speakers

Professor Karen Lund Petersen: Bringing Security Into Risk Management
Professor Genserik Reniers: Safety and security in the chemical industry: A new paradigm and the vision for the future in the Netherlands.
Professor Odd Einar Olsen: The standardisation of risk versus the risk of standardization.

14.30 - 14.45 Closing remarks
Chair Sissel H. Jore

15.00 End of conference
PARALLEL SESSIONS

PARALLEL SESSIONS I, THURSDAY 8. NOVEMBER

1.1 Critical infrastructures and critical societal functions I (Pre-defined symposium): Chair Roger Flage
Location: Sølvberget

- 65098 Flage, Roger: Conceptualisations of risk, vulnerability and related concepts in infrastructure research
- 64989 Johansson, Jonas: Addressing Cascading Consequences for Critical Infrastructure and Vital Societal Functions in Flooding Events
- 64918 Stødle, Kaia: Interdependent infrastructure system risk analysis of the real-world power and water distribution system at St. Kitts
- 64916 Johnson, Caroline: Characterising the robustness of power-law networks given spatially-correlated disruptions
- 64940 Hassel, Henrik: Challenges in the implementation of a risk and continuity management process for municipal critical societal functions

1.2 Applied risk assessments and management: Chair Willy Røed
Location: Atlantic Hall

- 64947 Botheju, Deshai: Effective Management of Risk Studies in Offshore Oil & Gas Industry
- 64903 Abdelmalek, Mohamed: Performance-Based Online Indicators of Safety Barriers at the Operations Phase of the Asset
- 65351 Rastayesh, Sima: Risk analysis for wind turbines near highways
- 64914 Guldåker, Nicklas: Different spatial visualization techniques for Fire prevention in Stockholm and Göteborg
- 64898 Carreras Guzman, Nelson H.: Identifying flows of information and energy in cyber-physical systems: A framework for safety risk analysis

1.3 Risk Perception and communications: Chair Frederic E. Bouder
Location: Valberget

- 65097 Sahlin, Ullrika: Are there individual differences in the ability to express uncertainty
- 65099 Bennett, Chris: Bending, breaking or fighting back: responses of some hospital staff to irreducible threats to patient safety
- 65092 Kiste, Andreas: Risk perception and harmonized railway tunnel safety; The fear of (not) interfering
- 65354 Tarigan, Ari: Analysis of correlations between psychological factors and self-reported behavior of motorcyclists depending on self-reported usage of different types of motorcycle facilities in Malaysia
- 64946 Skotnes, Ruth Østgaard: Risk communication of invisible dangers

PARALLEL SESSIONS II, THURSDAY 8. NOVEMBER

2.1 Security and Safety: Chair Ole Andreas Engen
Location: Atlantic Hall

- 64983 Salmela, Laura: Analyzing risk in digitalized border management systems: the state of play
- 64901 Giesner, Colin: Safety and Security: two cultures?
- 65356 Ylönen, Marja: Decommissioning of nuclear power installations as a challenge to risk governance – call for a sociotechnical perspective
- 65091 Song, Guozheng: Probabilistic Assessment of Integrated Safety and Security Related Abnormal Events in Chemical Plants

2.2 Crisis and Emergency management: Chair Odd Einar Olsen
Location: Sølvberget
2.3 Resilience: Chair Tor Olav Grøtan

Location: Valberget

- 65355 Grøtan, Tor Olav: Addressing the New Strains of Society in terms of hidden, dynamic and emergent vulnerabilities
- 64899 Stålhane, Tor: Agility and Resilience
- 64909 Stene, Lillian Katarina: How will different risk perspectives within naval organisations in the High North affect resilience?
- 64911 Thaheem, Muhammad Jamaluddin: Resilience vs Evolution: A bio-inspired debate

PARALLEL SESSIONS III, THURSDAY 8. NOVEMBER

3.1 Security: Chair Marja Ylönen

Location: Sølvberget

- 65346 Steen, Riana: On the application of safety 2 concept in a security context
- 65336 Heyerdahl, Anne: Standardization of security risk analysis – the importance of ideas about risk and security
- 64949 Bongiovanni, Ivano: Antecedents, precursors, root causes: unpacking the deepest reasons for information security breaches

3.2 Risk management and governance: Chair: Aiste Balzekiene

Location: Atlantic Hall

- 64900 Taarup-Esbensen, Jacob: Managing community risk
- 65361 Cedergren, Alexander: How can the practical impact from municipal risk assessments be evaluated?
- 65084 Lehikoinen, Annukka: Dioxins in Baltic herring and salmon: a cross-sectoral decision analysis for optimal management of the problem

3.3 New perspectives in risk assessments and management: Chair Sakari Kuikka

Location: Valberget

- 64993 Kloza, Dariusz: Sketching the relationship between risk (management) and impact (assessment)
- 64950 Hausken, Kjell: Principal Agent Theory, Game Theory and the Precautionary Principle
- 64906 Raices Cruz, Ivette: Quantifying imprecision by bounds on probabilities
- 65349 Kuikka, Sakari: Need to know and need to do: value-of-information and value-of-control in Bayesian decision analysis

PARALLEL SESSIONS IIII, FRIDAY 9. NOVEMBER

4.1 Economic Analysis in Risk Management (Pre-defined symposium): Chair Eirik B. Abrahamsen

Location: Sølvberget

- 64894 Bansal, Surbhi: Return on Investment (ROI) for evaluating safety measures. Review and discussion
- 64907 Særskår, Leif Inge Kjærvoll: A systems approach to economic evaluation of new health technology in helicopter emergency medical services
- 65101 Milazzo, Maria Francesca: Supporting decision-making in the chemical industry by a dynamic interpretation of the ALARP principle
• 64910 Langdalen, Henrik: Socio-economic profitability of security measures is more than expected benefits minus expected costs

4.2 Critical Infrastructures and Critical Societal Functions II (Pre-defined symposium): Jonas Johansson
Location: Valberget

• 64939 Arvidsson, Björn: Critical Infrastructures, GIScience and Risk Governance: A literature review of synergistic research opportunities
• 64944 Rydén Sonesson, Tove: Modelling and Simulation of Critical Infrastructures for Supporting Risk Governance: An exploratory literature review
• 65350 Grottenberg, Lars Ole: Towards an active flu management based on real-time spatiotemporal information from societal systems
• 65089 Rød, Bjarte: Critical Infrastructures - how resilient are they?

4.3 Climate security and climate change risk: Chair Ullrika Sahlin
Location: Atlantic Hall

• 65337 Nilsen, Aud Solveig: What are new risks to come?
• 64951 Oramah, Chinwe, Philomina: The impact of climate security on climate change adaptation: An analysis of local risk governance in Nigeria.
• 6104 Keränen, Jaana: Tools and methods of climate risk assessment for regional decision makers
• 65348 Ogunbode, Charles: The resilience paradox: coping attenuates the link between flooding experiences and intentions to mitigate climate change