

Time	Monday June 17.	Tuesday June 18.	Wednesday June 19.
08.00-09.00	<i>Registration</i>	<i>Registration</i>	<i>Registration</i>
09.00-10.30	Welcome adress Keynote: Gudela Grote & Otto Sverdrup	Keynotes: Key note: Per M. Schiefloe & Anne Bostrom	Announcement SRA-E 2014 Keynote: Nick Pidgeon & Paul Amyotte
10.30-11.00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
11.00-12.30	M1 Novel approaches in assessing and presenting risk M2 Risk assessment and management of natural hazards M3 Risk communication I M4 Learning from major events M5 Risk assessment of health and security threats M6 Stakeholder participation and risk discourse M7 Symposium: Helmholtz Alliance Energy-Trans: Future infrastructures for meeting energy demands	T1 Decision-making in face of complexity T2 Risk perception I T3 Risk communication II T4 Safety management II T5 Coping with major risk T6 Symposium: Visualizing and understanding safety barrier status for risk-informed decision-making T7 Symposium: Robust safety regulation I	W1 Planning and maintenance W1 Risk perception II W3 Risk communication III W4 Regulation of major risk I W5 Systemic risk and vulnerability assessment W6 Risk in transportation W7 Symposium: Risk governance and safety performance in no failure conditions
12.30-13.30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
13.30-15.00	M8 Societal risk assessment M9 Offshore risk assessment M10 Risk, acceptability, and trust I M11 Civil protection & societal safety M12 Symposium: Scientific Foundations of Risk and Safety M13 Symposium: On complexity and safety research	T8 Symposium: PSOPHIA T9 Organizational coping with major risk T10 Symposium: Risk and vulnerability assessment for buildings and critical infrastructures against natural hazards and resilient strategies T11 Emergency preparedness T12 Symposium: Collision and Grounding of Ships and Offshore Structures I T13 Symposium: Natural Hazards: Risk Interpretation and Action T14 Symposium: Robust safety regulation II	W8 Risk and exposure modeling W9 Risk perception III W10 Risk, acceptability, and trust II W11 Regulation of major risk II W12 Symposium: Barrier management in the petroleum industry W13 Complex systems- applications and challenges
15.00-15.30	<i>Coffee break</i>	<i>Coffee break</i>	
15.30-17.00	M14 Safety management I M15 Indicators and methodology M16 Symposium: Complexity safari M 17 Symposium: Understanding risk information seeking in the era of traditional and social media M18 Symposium: Flood fatality risk assessment M 19 Symposium: Understanding the societal dynamics around risk: learning from siting controversies I	T15 Decision making in face of complexity IV T16 Risk governance T17 Symposium: Risk and vulnerability assessment for buildings and critical infrastructures against natural hazards and resilient strategies T18 Symposium: The perception of energy resources in the UK and Switzerland after Fukushima T19 Symposium: Collision and Grounding of Ships and Offshore Structures II T20 Symposium: Understanding the societal dynamics around risk: learning from siting controversies II	
	17-20: Poster session with food and drinks 18: Meeting about SRA Nordic	1715: SRA-E Annual general assembly 19: Conference dinner, Ringve	

Monday 17th June

Time	Room	Code	Session
08.00-09.00			Registration
09.00-10.30	R2		Welcome address
			Key note: Gudela Grote : <i>Promoting Safety by Increasing Uncertainty: Implications for Risk Management</i>
			Key note: Bjørn Otto Sverdrup : <i>The 22 July terror attack Oslo and Utøya 2011</i>
10.30-11.00			Coffee break

11.00-12.30	Room	Code	Parallell sessions
	R3	M1	Novel Approaches in Assessing and Presenting Risk Yves Dien & Carole Duval: Risk Analysis: <i>Beyond Technical Factors</i> Lijuan Dai & Ingrid Bouwer Utne: <i>Bayesian networks and back-propagation artificial neural networks as decision-making tools for reducing the risk of wind turbine failure</i> Maryam Ashrafi & Hamid Davoudpour: <i>An Analysis of an Offshore Accident: a Chaos Approach in Risk Assessment</i> Ali Hessami & Derek Fowler: <i>Risk, a Hopeless Obsession</i> Erik Sælen, Mary Ann Lundteigen & Andreas Falck: <i>A proposal for the improved treatment and communication of uncertainty in quantitative risk assessments</i>
	R4	M2	Risk assessment and management of natural hazards Kevin Simmons & Daniel Sutter: <i>Extreme Weather versus Extreme Vulnerability in the 2011 Tornado Season</i> Magnus Sparrevik & Farrokh Nadim: <i>Managing unlikely risks posed by natural hazards to critical infrastructure</i> Darine Bakkour, Geoffroy Enjolras & Robert Kast: <i>The adaptive governance of natural hazards: Evidence from the 2010 Mount Merapi Eruption in Indonesia</i> Yuyang Zhou & Jianhua Xu: <i>Valuation methodology study on flood risk reduction measures in China: pre-flood risk reduction vs. post-flood risk reduction</i>
	R90	M3	Risk communication I Anne M. Dijkstra & Anja Dijkman: <i>Employees' risk perceptions of synthetic nanomaterials and needs for communication: preliminary survey results</i> Midori Aoyagi: <i>Logical understanding and irrational fears about radioactivity impact</i> Angela Bearth, Marie-Eve Cousin & Michael Siegrist: <i>Uninvited Guests at the Table – an Intervention to Increase Awareness of Pathogenic Bacteria and Safe Meat Preparation Behaviour</i> Caroline D. Bergeron: <i>Development and Testing of an Evaluation Tool Assessing the Effectiveness of Risk Communication Messages at the Public Health Agency of Canada</i> Nick Boase, Mathew White, William Gaze & Clare Redshaw: <i>Shellfish: effective communication to promote the benefits and reduce the risks</i>
	R91	M4	Learning from major events Michaela Ibrion, Mohammad Mokhtari & Farrokh Nadim: <i>Risk Reduction in Seismic Zones and Paradigms of Earthquake Disasters: "Lessons-Learned" and "Lessons-Forgotten"</i> Cindy Jardine, Leah Lechelt, Stephanie Kowal & Tania Bubela: <i>The Effect of Affective Messaging: A Case Study of Risk Communication with Vulnerable Populations during the Canadian H1N1 Outbreak and Vaccination Program</i> S. Michelle Driedger & Shauna MacKinnon: <i>Exploring incidental affect-inducing risk communication messages about H1N1 to Manitoba Metis</i> Funda Atun & Seda Kundak: <i>Learning from major events in Turkey</i>
	R92	M5	Risk assessment of health and security threats Armin Janss: <i>A New Practice-oriented Approach for Risk Evaluation Using the Example of Medical Devices</i> Ta-Yuan Chang, Chin-Lin Liu, Kuei-Hung Huang & Hsien-Wen Kuo: <i>Exposure to volatile organic compounds and health risk assessment in residents living near an optoelectronics industrial park</i> Eva Lermer, Bernhard Streicher, Rainer Sachs, Martina Raue & Dieter Frey: <i>Risks are more likely when thinking concrete – The effect of construal level on risk estimates</i> Frederic Boudier, Ragnar Löfstedt & Piet Sellke: <i>Influenza antivirals: what are the pros and cons of European stockpiling strategies?</i>
	R93	M6	Stakeholder participation and risk discourse Nils Rosmuller: <i>Safety issues concerning hazardous material road transportation in The Netherlands</i> Yu-Juin Wang: <i>Between disaster, cosmopolitanism and green life style: The changing European risk discourse and trans-disciplinary education in Taiwan</i> Gisela Wachinger, Jürgen Wuthe, Regine Merkt-Kube, Jakub Rehacek & Ortwin Renn: <i>Early participation as a tool to prepare for health risk conflicts</i> Eva J. Vaagland: <i>Pathways for a safer future - Norwegian Safety Forum and Safe Community work</i> Henning Boje Andersen, Khara D. Grieger, Knut Øien & Ortwin Renn: <i>Balancing risks and benefits: local stakeholders' perceptions of the decision-making process in the Barents Sea oil field development</i>
	R20	M7	Symposium: Helmholtz Alliance Energy-Trans: Future infrastructures for meeting energy demands Witold-Roger Pogonietz: <i>Socio-technical scenarios in the context of the German Energy Transition: Potentials – Limitations – Perspectives</i> Doerte Ohlhorst: <i>Grid extension as a socio-technical constellation with various interactions and constraints – what are the key elements for policy design?</i> Pia-Johanna Schweiser: <i>Facilitating the German Energy Transition - Potentials and Limits of Public Participation</i>
12.30-13.30			Lunch break

13.30-15.00	Room	Code	Parallell sessions
	R3	M8	Societal risk assessment Björn Nevhage, Ester Veibäck & Magnus Winehav: <i>National risk assessment in Sweden</i> Marcel G.Mennen & Maaïke C. van Tuyll: <i>The Netherlands Safety and Security strategy and the National Risk Assessment</i> Jan Erik Karlsen & Sissel Haugdal Jore: <i>When hindsight was utterly wrong - how to overlook a non-plausible future</i> Nicolas Rossignol & Catrinel Turcanu: <i>How are we vulnerable? Opening industrial hazards vulnerability analysis to social factors</i>
	R4	M9	Offshore risk assessment Igor Kozine, Nijs Jan Duijm & Frank Markert: <i>Assessing risks on offshore platforms by dynamic simulation of accident scenarios</i> Jianchun Fan & Luning Xue: <i>A Quantitative Method to Assess Well Risk</i> Nima Khakzad & Faisal Khan: <i>Bayesian risk analysis of offshore major accidents: Application to hydrocarbon releases</i> George Prpich, Simon Pollard, Stephen Thompson & John Arnott: <i>Assessing the Environmental Risks of Shale Gas Development: A UK Story</i> Jan Erik Vinnem: <i>Analysis of Hydrocarbon Leaks and verification as an operational barrier</i>
	R90	M10	Risk, acceptability, and trust I Susumu Ohnuma, Kosuke Sato & Kiichi Ishiyama: <i>Place attachment or protected values? Barriers of public acceptance: A case study of Zenibako Wind Power Plant in Japan</i> Torbjørn Rundmo, Stig Halvard Jørgensen & Trond Nordfjærn: <i>Associations between risk judgements, risk sensitivity, acceptability, priority of safety and risk reduction measures in transportation</i> Marcus Börjesson, Claes Wallenius & Ann Enander: <i>Risk and safety in the mind of the military leader</i> Shoji Ohtomo, Hideaki Osawa, Yukio Hirose & Susumu Ohnuma: <i>The impacts of Fukushima nuclear accident on public acceptance of geological disposal of high level radioactive waste</i> Silke Gloaguen, Roh Pin Lee & François Allard-Huver: <i>'Nuclear, or no Nuclear: That is the question.' An investigation of factors influencing energy perceptual divergence in France and Germany</i>
	R91	M11	Civil protection & societal safety Akbar Valadbigi: <i>Civil Society and social capital in the modern Mena region: A conceptual analysis</i> Gebhard Geiger, Erhard Petzel, Roman Czaja & Christian Blobner: <i>Does lift of liquid ban raise or compromise current level of aviation security in the European Union? - Simulation-based quantitative security risk analysis and assessment</i> David Ormandy, Veronique Ezratty, Andy Dengel, Michael Swainson, Mike Roys & Angie Bone: <i>Adapting Dwellings to Protect Residents from High Indoor Temperatures</i> Jao-Jia Horng & Wen-Lian William Lee: <i>Security Vulnerability Analysis of the High-Tech Industries in Taiwan</i>
	R92	M12	Symposium: Scientific Foundations of Risk and Safety Terje Aven: <i>Introduction</i> Petter Almklov, Ragnar Rosness & Kristine Størkersen: <i>When safety science meets the practitioners: Does safety science contribute to marginalization of practical knowledge?</i> Kenneth Pettersen, Jean-Christophe Le Coze, Timo Reiman: <i>Addressing the foundations of safety science – relevance and benefits</i> Ulrika Sahlin: <i>Why exchangeability may hinder us to see a black swan</i>
	R93	M13	Symposium: On complexity and safety research Martin Rasmussen: <i>Complexity as a Performance Shaping Factor</i> Thomas Wold: <i>Safety Management Systems as Communication</i> Gunhild Sætren: <i>Consequences of insufficient focus on human factors in a design phase of new automated technology</i> Vibeke Milch: <i>The effect of inter-organizational complexity on the risk of major accidents</i> Sverre Kvalheim: <i>Improving Safety in Offshore drilling operations: Interpretation and communication of abnormalities in drilling data</i>
15.00-15.30	Coffee break		

15.30-17.00	Room	Code	Parallell sessions
	R3	M14	Safety management I Hanna Barbara Rasmussen & Stian Antonsen: <i>The procedures and working practice. The study from Danish oil and gas industry</i> Rolf Bye, Brita Aasprang, Stein Haugen & Stian Antonsen: <i>Helicopter crashes and risk factors within the domestic helicopter transportation in Norway</i> Olivier Salvi, Sébastien Evanno & Bastien Caillard: <i>Improving safety management of biogas in Europe</i> Jan Tore Ludvigsen: <i>A new approach to operational and organisational safety barriers</i>
	R4	M15	Indicators and methodology Said Ameziane, Mohammed Kishk & John A. Steel: <i>A new instrument to optimise human factors in the maintenance of oil and gas assets: development and validation of a resilience assessment tool</i> Roberto Bubbico, Roberta V. Gagliardi, Barbara Mazzarotta & Carla Menale: <i>Identifying indicators for assessing the environmental impact of industrial activities</i> Stig H. Jørgensen & Torbjørn Rundmo: <i>Indicators to monitor urban risk</i> Alex Garcia de Almeida & Marco Antonio Gaya de Figueiredo: <i>Identification of global indicators for risk, health safety and environment management in platforms E & P - Case study of Brazilian industry based in management system</i> Solveig Walsøe Pettersen, Bjørn Tore Hellesøy & Snorre Sæternes: <i>Why efforts to establish early warning indicators to major accidents have failed</i>
	R90	M16	Symposium: Complexity safari Jean-Christophe Le Coze: <i>What to do with complexity?</i> Tor Olav Grøtan: <i>A Composite Complexity Model for Sensitization of Safety and Risk Considerations</i> Inger Lise Johansen: <i>Complexity: A conceptual framework</i> Eric Monteiro: <i>Complex information infrastructures</i>
	R91	M17	Symposium: Understanding risk information seeking in the era of traditional and social media Afrodita Marcu: <i>Asking questions about synthetic meat: The role of information seeking in making sense of a novel food technology.</i> Margôt Kuttschreuter: <i>Patterns of channel use in seeking information on food risks and benefits</i> Femke Hilverda: <i>Online information seeking strategies: visited websites and duration of visit</i> Julie Barnett: <i>Making a meal of it? What consumers wanted to know about horse DNA in beef burgers</i>
	R92	M18	Symposium: Flood fatality risk assessment Karin De Bruijn: <i>Probabilistic event based assessment of societal flood fatality risks in the Netherlands</i> Ben Gouldby: <i>Incorporating life loss in a systems based flood risk analysis model</i> Jason Needham: <i>Practical tools for estimating loss of life from flooding: Which approach should I use?</i> Valeria Krzhizhanovskaya: <i>Assessment of Flood Fatality Risks by Simulation of City Evacuation Coupled to the Inundation Dynamics with Surface and Subsurface Flows</i> Darrem Lumbroso: <i>The use of a Monte-Carlo analysis to assess the uncertainty in the estimates of loss of life from flooding using an agent based model</i> Andreas Burzel: <i>Spatial Modelling Approach for Tangible and Intangible Losses in Integrated Risk Analysis of Extreme</i>
	R93	M19	Symposium: Understanding the societal dynamics around risk: learning from siting controversies I Krishna Ravi Srinivas: <i>Siting controversies in CCS: What do they tell about risk perception and acceptance of technology?</i> Pita Spruijt: <i>Roles and Viewpoints of Scientists as Policy Advisers</i> Karel Svacina: <i>What uncertainties? Siting geological disposal for high-level radioactive waste in the Czech Republic</i> Agata Stasik: <i>Siting controversies as a symptom of tension between levels of government: case of shale gas in Poland</i>
17.00-20.00			Poster session with food and drinks
18:00	R3		Meeting about SRA Nordic

Tuesday 18th June

Time	Room	Code	Session
08.00-09.00			Registration
09.00-10.30	R2		Key note: Per Morten Schiefloe : <i>The Invisible Safety - Challenges and Dilemmas in Preparing for the Unexpected</i> Key note: Ann Bostrom : <i>A mental models study of hurricane forecast and warning production, interpretation and decision making</i>
10.30-11.00			Coffee break

11.00-12.30	Room	Code	Parallell sessions
	R3	T1	Decision-making in face of complexity Christian Blobner: <i>Providing a structured cost-benefit analysis approach to increase the transparency of security policy decision making</i> Hugo Marynissen & Bert Bruggemans: <i>The process of decision-making in a burning crisis situation: A multiple sequence approach of decisiveness</i> Emma Anyika, Patrick Weke & Thommas Achia: <i>Non-diversifiable risk errors for sound Financial Decision Making with Kernels</i> Roshni Pramanik: <i>Understanding coordination: Difference in perception of challenges in inter organization coordination</i> Makiko Matsuo, Atsuo Kishimoto, Masashi Tachikawa, Noriko Iseki, Hideaki Shiroyama & Masahiro Matsuura: <i>Fact vs. Fact: the Joint Fact-Finding (JFF) of the Risk of Radionuclides in Food</i>
	R4	T2	Risk perception I Céline Hervé-Bazin & Mamadou Dime: <i>Adaptation to Climate Change and Perceptions of Risks: perceptions of women in Senegal and Congo</i> Ioannis Daskalakis & Kalliopi Sapountzaki: <i>Perceptions of socio-economic drought as causes of hydrological drought mismanagement</i> Rianne van Duinen, Tatiana Filatova, Peter Geurts & Anne van der Veen: <i>Understanding farmers' drought risk adaptation motivation: empirical evidence from survey data</i> Frankwin van Winsen, Yann de Mey, Ludwig Lauwers, Steven Van Passel, Marc Vancauteren & Erwin Wauters: <i>A typology of farmer's risk perceptions and coping strategies</i> Sherry Bempah & Arne Olav Øyhus: <i>The Role of Social Perception in Disaster Risk Reduction: How Local Communities Perceive Flood Disasters Along The Volta River of Ghana-West Africa</i>
	R90	T3	Risk communication II Melanie De Vocht, Verolien Cauberghe, Mieke Uyttendaele & Benedikt Sas: <i>Communicating emerging food risks: the impact of 1- or 2-sidedness, vividly presented information and spatial distance on message credibility</i> Mary Hirst, Lada Timotijevic, Julie Barnett & Steve Cox: <i>Decision-making to uptake screening for inherited cardiac conditions among adolescents: The role of risk perceptions, risk as affect and social context</i> Lexin Lin, Anders Nilsson, Johan Sjölin, Marcus Abrahamsson & Henrik Tehler: <i>Evaluating municipal risk- and vulnerability analyses: how risk is communicated between the municipal and regional level in Sweden</i> Max Boholm, Rickard Arvidsson, Åsa Boholm, Hervé Corvellec & Sverker Molander: <i>Antibacterial silver, controversy, and risk</i>
	R91	T4	Safety management II Edgar McGuinness & Ingrid B. Utne: <i>What safety researchers want to learn from accidents: Proposing an accident reporting system for the fishing fleet?</i> Rainer Sachs & Markus Wadé: <i>Managing risk in a complex environment</i> Glenn Egil Torgersen & Trygve Steiro: <i>Unexpected exercises and training in high risk organizations</i> Tonje Jenssen Espeland & Frederic Boudier: <i>From Fossil Fuels to Biofuels - The Impact of Risk on Compliance</i> Janne Hagen, Anne-Kari Valdal, Kenneth Pettersen & Brita Gjerstad: <i>Evaluation of comprehensive security systems for public transport – a methodological framework</i>
	R92	T5	Coping with major risk Malin Mobjörk, Hannes Sonnsjö & Misse Wester: <i>Coping with 'complex' and 'simple' risks in risk assessments</i> Sarah Conradt & Raushan Bokusheva: <i>Tailored to the extremes: Quantile regression for index-based insurance contract design</i> Mika Kari: <i>Reframing of nuclear communities: Nuclear industry reinterpreting nuclear communities heightened willingness to consider final repository</i> Marja Ylönen & Luigi Pellizzoni: <i>Nuclear safety, responsibility and human agency</i> Elisabeth Gilmore & Peter Hendrickson: <i>Evaluating the Technological Risks of Proliferation for Small Modular Nuclear Reactors</i>
	R93	T6	Symposium: Visualizing and understanding safety barrier status for risk-informed decision-making Nicola Paltrinieri: <i>Coupling of advanced techniques for dynamic risk management</i> Faisal Khan: <i>Dynamic risk assessment: A tool for process safety management</i> Sizarta Sarshar: <i>Visualization of simultaneous activities on an offshore installation</i> Stein Hauge: <i>Dynamic assessment of the risk picture using indicators</i> Jørn Vatn: <i>Risk visualization – What is meant by risk picture operators?</i>
	R20	T7	Symposium: Robust safety regulation I Ragnar Rosness: <i>Boxing and dancing: Tripartite collaboration as an integral part of a regulatory regime in Norway</i> Jens Røyrvik: <i>Regulating HSE-culture. A literature and document study of the translation of HSE-regulation into corporate SMS-systems</i>

Ole Andreas Engen: *Inspection Strategy Challenges: The Tri-Partite Collaboration Revisited?*

Helge Ryggvik: *Inspections and intelligence. A comparative analysis of offshore regulations in Norway and U.S.*

Preben Lindøe: *Risk regulatory regimes in promoting resilience preventing major industrial hazard. Case study of offshore oil- and gas industry.*

12.30-13.30

Lunch break

13.30-15.00	Room	Code	Parallell sessions
13.30-15.00	R3	T8	Symposium: PSOPHIA – <i>awaiting details</i> Javier Larrañeta
	R4	T9	Organizational coping with major risk Erna Danielsson, Jörgen Sparf & Joseph Trainor: <i>Multi-organizational co-operation during emergencies at local authority level</i> Sarah Maslen: <i>Organisational conditions for professionalism and expertise: A case study of the Australian gas pipeline industry</i> Craig Mauelshagen, David Denyer, Fiona Lickorish, Sophie Rocks & Simon Pollard: <i>The importance of a shared vision to achieve coordinated and consistent risk management: a case study of a central government department.</i> Catherine Wong: <i>Systematically Stupid but Resilient: How Organisations Assemble Risk and Resist Contestations in the Nuclear Power Sector in India</i> Sverre Kvalheim: <i>Safety implications of Multiskilling in the Offshore Oil and Gas Industry</i>
	R90	T10	Symposium: Risk and vulnerability assessment for buildings and critical infrastructures against natural hazards and resilient strategies Karin De Bruijn: <i>A storyline approach and application for flood vulnerability analysis of critical infrastructure</i> Rosato Vittorio: <i>A global approach to risk assessment of critical infrastructures</i> Per Hokstad: <i>Risk analysis in a subsea road tunnel project</i> Jan Ketil Rød: <i>Integrated and validated participatory vulnerability assessment</i>
	R91	T11	Emergency preparedness Giedo Van Pellicom: <i>Benefit of the introduction of standard ISO 22320 in Incident Response Organizations</i> Wilbert Rodenhuis, Jeroen Neuvel & Jörg Frister: <i>Information exchange in cross border emergency relief</i> Mikael Linnell: <i>Doing preparedness: instructed actions in crisis preparedness and response training</i> Jakub Rehacek, Jakub Dlabka, Pavel Danihelka, Barbora Baudisova, Jan Skrinsky & Vilem Sluka: <i>Optimization of external emergency planning zones in the Czech Republic</i>
	R92	T12	Symposium: Collision and Grounding of Ships and Offshore Structures I Martin Hassel: <i>A Revision Of The Industry Standard Risk Model For Ship Collisions And Groundings (SRA-E)</i> Stian Ruud: <i>Verification of risk and functional requirements of complex marine system (SRA-E)</i> Kim HyungJu: <i>Quantitative Risk Analysis for New IMO Rule - Safe Return to Port (SRA-E)</i>
	R93	T13	Symposium: Natural Hazards: Risk Interpretation and Action Richard Eiser: <i>Trust, precaution and interpreting volcanic risk</i> Ann Bostrom: <i>Seismic risk interpretation and action in port systems</i>

Gisela Böhm: *Social role and causal structure as determinants of environmental risk perception and behaviour*

Stuart Capstick & Pidgeon (presenter): *Personal experience of flooding heightens climate change risk perception and mitigation intentions*

Britt-Marie Drottz-Sjöberg: *Communication and Action based on Risk Interpretation*

R20

T14

Symposium: Robust safety regulation II

Petter Almklov: *Regulating infrastructures in the face of coupling and fragmentation*

Jacob Kringen: *Implementing vague rules. Transformations, translations and controversies*

Trond Kongsvik, Stian Antonsen & Kristine Størkersen: *The relationship between regulation, safety management systems and safety culture*

Tor Olav Nævestad: *Increasing foreign actors in road and sea transport of goods in Norway: safety challenges and regulatory measures*

15.00-15.30

Coffee break

15.30-17.00			Parallell sessions
	Room R3	Code T15	Decision making in face of complexity IV <p>Chris Bennett: <i>Multiple hazards, impossible choices, difficult decisions - perceptions of risk and safety in the NHS</i></p> <p>Andreas Kiste: <i>Perceived Unfair Randomness in Gambling; the Tilt Reaction and Effects of a Negative, Unexpected Outcome</i></p> <p>Jacob L. Orquin, Carl-Johan Lagerkvist, Joachim Scholderer & Klaus G. Grunert: <i>Modular cognitive processes can account for discrepancies in risk attitudes and risk behavior</i></p> <p>Frankwin van Winsen, Yann de Mey, Ludwig Lauwers, Steven Van Passel, Marc Vancauteran & Erwin Wauters: <i>Combining risk perception and risk attitude: A comprehensive individual risk behaviour model</i></p>
	R4	T16	Risk governance <p>Stéphanie Vanhaeren: <i>Risk communication and food safety policies: the case of the case of risk governance with a grain of NaCl</i></p> <p>Marko Ahteensuu: <i>Risk and Precaution in the Regulatory Approval of GMOs in the European Union</i></p> <p>Jeroen Devilee, Julia Verhoeven, Martijn Beekman & Anne B. Knol: <i>Can a pre-assessment help us to properly manage controversial risks of chemicals? A discussion on the potential improvement of the REACH restriction process</i></p> <p>Tapio Litmanen, Barry Solomon & Mika Kari: <i>Risk regulation regimes in action: Analyzing Finnish and Swedish spent nuclear fuel repository licensing processes</i></p> <p>Miori Nagashima, Etsuko Itokawa & Setsuko Ichihara: <i>Risk Transformation and the Social Systems; A Case of Fukushima-related Disaster Waste</i></p>
	R90	T17	Symposium: Risk and vulnerability assessment for buildings and critical infrastructures against natural hazards and resilient strategies <p>Damien Serre: <i>Advanced methodology for risk and vulnerability assessment of interdependency of critical infrastructure in respect to urban floods</i></p> <p>Nie Linmei: <i>Risk and vulnerability assessment and resilient strategies for urban flood risk management</i></p> <p>Karin Stone: <i>One step forward in flood risk assessment also results in one step forward for policy development. Or not?</i></p> <p>Per-Ketil Riisem or Rasmus Benestad?</p>
	R91	T18	Symposium: The perception of energy resources in the UK and Switzerland after Fukushima <p>Carmen Keller: <i>A comparison of spontaneous associations with nuclear power before and after the Fukushima disaster, and of associations with nuclear and solar energy resources</i></p> <p>Christopher Jones: <i>Reconciling Risk: How did supporters and opponents of nuclear power in the UK respond to the Fukushima nuclear accident?</i></p> <p>Vivianne Visschers: <i>Explaining the public's acceptance of five energy technologies: Differing effects of perceived benefits, perceived risks and protected values</i></p> <p>Christina Demski: <i>Evaluating energy technologies in context of whole systems: Public preferences for future energy pathways and their underlying values and risk perceptions</i></p>
	R92	T19	Symposium: Collision and Grounding of Ships and Offshore Structures II <p>Maria Hänninen: <i>Feasibility of collision and grounding accident data for probabilistic accident modeling (ICCGS)</i></p> <p>Sören Randrup-Thorsen: <i>Bridge crossings at Sognefjorden - Ship collision risk studies (ICCGS)</i></p> <p>Tue Lehn-Schøler: <i>VTS a Risk Reducer, A Quantitative Study of the Effect of VTS Great Belt (ICCGS)</i></p>

R93	T20	Symposium: Understanding the societal dynamics around risk: learning from siting controversies II Farid Karimi: <i>A Comparative Socio-Cultural Analysis of Risk Perception of Carbon Capture and Storage in Finland, Netherlands, UK and Poland</i> Bert de Graaff: <i>‘Should I be worried?’ - citizens perceptions of mobile phone technology health risks over time</i> Marijke Hermans: <i>The struggle for knowledge. The dynamics of citizen engagement in mobile phone mast siting controversies</i>
17.15	R2	SRA-E Annual general assembly
19.00	Ringve	Conference dinner

Wednesday 19th June

Time	Room	Code	Session
08.00-09.00			Registration
09.00-10.30	R2		Announcement SRA-E 2014 Key note: Nick Pidgeon : <i>Risk Perceptions and Future Energy System Changes</i> Key note: Paul Amyotte : <i>Warnings Only Work When They Are Heeded: Preventing Low Probability/High Consequence Process Incidents</i>
10.30-11.00			Coffee break

11.00-12.30	Room	Code	Parallell sessions
11.00-12.30	R3	W1	Planning and maintenance Elisabeth Hansson Blix & Robert Ekle: <i>The role of maintenance management in managing major accident barriers</i> Maria Catrinu-Renström & Dag Eirik Nordgård: <i>Risk-based maintenance and renewal of electricity distribution networks</i> Len Fisher & Marie-Valentine Florin: <i>Planning for Future Crises: Governance Principles for Slow-Developing Risks That May Have Potentially Catastrophic Consequences</i> Jean Francois David: <i>Visible risk and high sensitivity in urban planning and real estate development. Judicial action and social acceptance</i>
	R4	W2	Risk perception II Motoko Kosugi: <i>Perception and Attitude Changes toward Science and Technology in Japan after the Earthquake</i> Roh Pin Lee: <i>Stability of energy imageries and affects following shocks to the global energy system: The case of Fukushima</i> Wouter Poortinga: <i>Public Perceptions of Climate Change and Energy Futures Before and After the Fukushima Accident: A Comparison between Britain and Japan</i> Seda Kundak: <i>Risk Perception Studies on Istanbul</i> Anna Olofsson & Susanna Öhman: <i>Experience of crisis and its relation to risk perception and risk behavior</i>
	R90	W3	Risk communication III Helena Zemp: <i>Changing realities of risks from flooding in light of visual communication and new mass media conditions</i> Giulia Mascarello, Stefania Crovato, Anna Pinto & Licia Ravarotto: <i>Communicating risks to young consumers. The raw milk experience in Italy.</i> Peter Månsson, Henrik Tehler, Marcus Abrahamsson & Henrik Hassel: <i>On Common Terms with Shared Risks - studying the communication of risk between the local and regional level in Sweden</i> Martina Raue, Bernhard Streicher, Eva Lermer & Dieter Frey: <i>Psychological distance and risky decisions: How risk communication needs to highlight hidden influences</i> Isabelle Stevens, Sam Aerts, Tom Evens, Lieven De Marez, Wout Joseph & Luc Martens: <i>'Risk as analysis and risk as feelings' in practice: Presenting a segmentation based on the reconciliation of objective RF-EMF exposure measurements and subjective risk perception profiles</i>
	R91	W4	Regulation of major risk I Yolande Hiriart, Vera Angelova, Olivier Armantier & Giuseppe Attanasi: <i>Relative Performance of Liability Rules: Experimental Evidence</i> Preben Lindøe: <i>Risk regulatory regimes in promoting resilience preventing major industrial hazard. Case study of offshore oil and gas industry</i> Ronit Justo-Hanani: <i>The Role of the State in Transnational Nanomaterials Risk Regulation: Analyzing the Expansion of State-Centric Rulemaking in the EU and the US</i> Juthamon Sithipolvanichgul, Jake Ansell & Ruchi Agarwal: <i>Enterprise Risk Management: Internal Accountability?</i>
	R92	W5	Systemic risk and vulnerability assessment Konstantinos Kazaras & Konstantinos Kirytopoulos: <i>On how to define, understand and describe risk in a system-theoretic perspective</i> Claudia Rivera: <i>Analyzing the governance of disaster risk from a system perspective: A case study in Nicaragua</i> Nikolay Makhutov & Dmitry Reznikov: <i>Assessment of Vulnerabilities of Complex Technical Systems</i> Vytis Kopustinskas, Sergio Contini & Pavel Praks: <i>Network reliability benchmark study with application to gas transmission system</i> Valer Lesnykh, Alexander Bochkov & Tatiana Timofeeva: <i>Qualitative Analysis and Typing Intersystem Accidents</i>
	R93	W6	Risk in transportation Funda Atun: <i>What if the emergency system fails? Focusing on complex transportation system in London</i> Bjørn Egil Asbjørnslett, Jørgen G. Rakke & Inge Norstad: <i>Estimating Resilience in Maritime Transport Systems</i> Rolf Bye, Stian Antonsen & Jorunn Seljelid: <i>Helicopter pilots and perceived risk</i> Torbjørn Rundmo, Hroar Klempe, Stig Halvard Jørgensen, Juliana Granskaya & Trond Nordfjærn: <i>Examination of a cultural theory of transport risk</i>
	R20	W7	Symposium: Risk governance and safety performance in no failure conditions Mona Schiefloe, Tore Hauan & Atle William Heskestad: <i>Loss of science as a benchmark of hazard for conduction of human spaceflight experiments</i> Abdul Basit Mohammad, Jens Petter Johansen & Petter Almklov: <i>Risk governance and safety in complex organized high reliability organizations: balancing formal structures versus needs for flexibility in of human space flight missions</i> Liz Helena Froes Coelho, Brit-Eli Danielsen & Trine Marie Stene: <i>Human space flight - Training to ensure successful operations and safe performance in control rooms</i> Henrik Bjelland, Ove Njå, Geir Sverre Braut & Atle William Heskestad: <i>Fire safety management and sosio-technical relationships: Exploring theories of safety constraints and coherence principles</i>

12.30-13.30			Lunch break
13.30-15.00	Room	Code	Parallell sessions
13.30-15.00	R3	W8	Risk and exposure modeling <p>Johan Bierkens, Tine Fierens, Mirja Van Holderbeke, Christa Cornelis, Arnout Standaert & Luc Int Panis: <i>Demonstration and exploitation of the 2-FUN human exposure model identified as a promising tool derived from European research activities; A case study on Pb in the environment.</i></p> <p>Chia-Pin Chio, Tzu-Hsuen Yuan, Ruei-Hao Shie & Chang-Chuan Chan: <i>Assessing vanadium and arsenic exposures for residents near a petrochemical complex by two-stage dispersion models</i></p> <p>Vincent Van der Vlies: <i>A qualitative approach to risk management of hazardous materials in the Netherlands: lessons learned from 7 sluice cases</i></p> <p>Eugene Brezhnev, Vyacheslav Kharchenko & Artem Boyarchuk: <i>The approach for cyber common cause failures risk assessment of smart grid substation with a critical load</i></p>
	R4	W9	Risk perception III <p>Michael Siegrist & Bernadette Sütterlin: <i>The use of the symbolic significance heuristic as a source of biased decisions</i></p> <p>Isabelle Stevens, Tom Evens & Lieven De Marez: <i>PRIC: Introducing an augmented model of Perceived Risk Information Control in the context of electromagnetic field risks</i></p> <p>Guizhen He, Lei Zhang, Arthur P.J. Mol & Yonglong Lu: <i>Living with chemical risk-Public perceptions on and attitudes towards the chemical industry in rural China</i></p> <p>Matthias Dhum, Corinne Moser, Pius Kruetli & Michael Stauffacher: <i>The gender gap in risk perception is the result of a task-dependent high-level cognitive process</i></p> <p>Christine Merk, Gert Pönitzsch, Carola Kniebes, Katrin Rehdanz & Ulrich Schmidt: <i>Towards an integrated model of risk perception: The case of Solar Radiation Management</i></p>
	R90	W10	Risk, acceptability, and trust II <p>Kati Orru & Hans Orru: <i>Explaining climate change agnosticism in Eastern Europe: case of Estonia</i></p> <p>Kosuke Sato & Susumu Ohnuma: <i>Public acceptance under low-trust situations: A case study of Zenibako Wind Power Plant in Japan</i></p> <p>Erik Lebrecht, Tiffany Istamto & Danny Houthuijs: <i>Effect of risk perception, environmental concern and trust in policy on monetary valuation of health effects from traffic-related air pollution and noise in five European countries</i></p> <p>Jerry Busby, Bin Ding & Mark Stevenson: <i>Product counterfeiting risk: supply-side and consumption-side perceptions</i></p>
	R91	W11	Regulation of major risk II <p>Mustafa Elmontsri & Ibrahim Hadud: <i>Safety in the Petrochemical Industry: Review of Libyan Safety Regulations to Major Risks</i></p> <p>Ruth Østgaard Skotnes & Ole Andreas Engen: <i>Internal control regulations – a challenge for the management of ICT safety and security in Norwegian electric power supply network companies?</i></p> <p>Pierre Bentata: <i>The role of environmental civil liability: an empirical analysis of the French legal system</i></p> <p>Riitta Molarius: <i>Co-operation of authorities to prevent major risk – Finnish case study</i></p> <p>Chris Taylor, Simon Pollard, Andy Angus & Sophie Rocks: <i>Better by design: Rethinking interventions for better environmental regulation - a case study of environmental policy making in the UK</i></p>
	R92	W12	Symposium: Barrier management in the petroleum industry <p>Introduction by Safetec</p> <p>Morten Søndrol: <i>Development of a barrier management system – both on an overall and installation specific level</i></p>

Snorre Sklet: *Operation Condition Safety – a method for verification of operational and organisational barriers*

Stian Antonsen: *Integrated barrier management*

R93 W13 **Complex systems- applications and challenges**

Ric van Poll, Marleen Kraaij & Erik Lebret: *Animal husbandry in The Netherlands. An explorative study*

Gro Alice Hamre: *Understanding automation and redistribution of tasks in medication management for home care clients as redistribution of risk*

Siri Holen, Ingunn Marie Holmen, Trine Thorvaldsen, Andreas Myskja Lien & Ingrid Bouwer Utne: *Health, safety and environmental challenges in exposed aquaculture production – an investigation of fish farmers' experiences*

Åsa Boholm: *Nanomedicine: challenges for risk communication and risk management*

15.00-15.30 **Coffee break, going home, catching flights or enjoying Trondheim**