

# Sunday, 25 August 2019

13:00

Registration opens

19:00

Get-together session

# Monday, 26 August 2019

08:00-09:00

Registration

09:00-09:15

Welcome - opening ceremony

09:15-10:00



**KEYNOTE 1:** Wondering about the future of work? Look to innovations of the past  
*Patrick Neumann, Professor in the Department of Mechanical and Industrial Engineering, Ryerson University, Toronto Canada*

10:00-10:45



**KEYNOTE 2:** Systems ergonomics in productive workplaces - a Nordic out-look on who, how and why  
*Cecilia Berlin, Associate Professor in product and production development, Chalmers University of Technology, Göteborg Sweden*

10:45-11:00

Coffee break

Session 1  
11:00-12:30

ROOM: TBA

**WORKSHOP:**  
Improving health & safety by automation  
*Jan Toft Rasmussen, Denmark*

ROOM: TBA

**Systems ergonomics**  
*Chair: TBA*

A systems ergonomics approach to engineering design projects  
*Ole Broberg, Denmark*

Macroergonomics and change management for sustainability in a water centric community  
*Denis A Coelho,*

Vulnerabilities in prevention and treatment of malnutrition - the role of the electronic patient journal  
*Kine Reegård,*

What is the potential for applying a Safety-II approach to the nuclear industry?  
*Robin Hamer,*

ROOM: TBA

**Occupational health and safety management (I)**  
*Chair: TBA*

Intervention program to reduce time pressure and work overload at a Danish University  
*Liv Starheim,*

Workers' comprehensibility of pictograms on chemical labels  
*Akiko Takahashi,*

The development of an accident classification scheme for a construction company  
*Chia-Fen Chi,*

A strategic MSD prevention tool for municipalities  
*Kasper Edwards,*

ROOM: TBA

**WORKSHOP:**  
Dilemmas in introducing tele-medical and pervasive monitoring technologies in the private homes of citizens in need of care: balancing privacy against the duty of care  
*Henning Boje Andersen, Denmark*

12:30-13:30

Lunch break

Session 2  
13:30-15:00

**WORKSHOP:**  
Designing work systems using the ACD<sup>3</sup> (Activity-Centered Design) framework - (I)  
*Cecilia Berlin,*

**SPECIAL SESSION:**  
The Nordic working environment authorities  
*Chair: TBA*

Knowledge clarification regarding computer work  
*Anne Marie Salbæk,*

The Swedish Work Environment Authority introduces medical checks for hand-intensive work  
*Kersti Lorén,*

Improving ergonomics risk assessment in the Norwegian Oil and Gas Industry  
*Brit Gullesen,*

**Occupational health and safety management (II)**  
*Chair: TBA*

How OHS engineers support clients in their OHS management  
*Henrik Strohmayr*

Incorporating OHS into corporates' strategies: a Swiss project  
*Oliver Girard,*

Examining the relationships between managers' commitment to work safety and safe behaviour of employees: A study in Turkey  
*Serpil Avtac*

**Prospective ergonomics**  
*Chair: TBA*

Contributing to the energy transition with the "Needs and uses ideation interview"  
*Antoine Martin,*

Overview of methods for prospective ergonomics  
*Jean-Marc Robert,*

Investigating crowdsourcing tools for product design and innovation  
*Masood Maldar*

Improving mental time travel abilities to support the collection of needs: a pilot study  
*Clement Colin,*

15:00-15:20

Coffee break


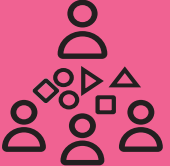

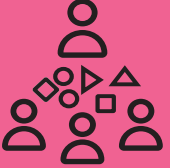
## Monday, 26 August 2019

Session 3 15:20-16:50	<b>WORKSHOP:</b> Designing work systems using the ACD <sup>3</sup> (Activity-Centered Design) framework - (II) <i>Cecilia Berlin,</i>	<b>National regulation of occupational health and safety &amp; Human-machine interaction</b> <i>Chair: TBA</i> Improving the investigation and learning of occupational accidents in Denmark - some important barriers <i>Frank Huess Hedlund</i>	<b>Risk analysis and management</b> <i>Chair: TBA</i> Reducing postural exposure in manual handling - effects of two types of feedback modalities <i>Lind Carl,</i>	<b>WORKSHOP:</b> TBA
		What makes a national moving and handling guideline work, or not? <i>Kirsten Bendix Olsen,</i>	Occupational injuries in the craft beer brewing industry Colleen Brents	
		Usability assessment of the virtual reality in clinical upper extremity rehabilitation <i>Mei-Hsiang Chen,</i>	The RAMP package for MSD risk management - Dissemination of the tool, website and MOOCs <i>Jörgen Anders Evert Eklund,</i>	
		Forearm muscle activity dynamism in PC mouse use <i>Denis A Coelho,</i>	Fall risk evaluation of community-dwelling elderly using inertial sensor and 3M TUG test <i>Tien-Lung Sun.</i>	





## Tuesday, 27 August 2019

08:45-09:30	<b>KEYNOTE 3: Ergonomics for Performance</b> <i>Jan Dul, Professor of technology and human factors at Rotterdam School of Management, Erasmus University, Rotterdam the Netherlands</i>			
09:30-09:50	Coffe break			
Session 4 09:50-11:20	<b>WORKSHOP:</b> Systematic multidimensional patient handling pays off <i>Markus Jakobsen,</i>	<b>SPECIAL SESSION:</b> <b>Gender, work and health in ergonomics</b> <i>Chair: TBA</i> The importance of HTO for gender sensitive ergonomics <i>Minke Wersäll</i>	<b>Visual ergonomics, Ergonomics work analysis &amp; Psychosocial work environment</b> <i>Chair: TBA</i> An investigation on the performance of perspective tactile puzzles for visually impaired people <i>Ming-Hsuan Hsieh</i>	<b>Musculoskeletal health</b> <i>Chair: TBA</i> Follow up of the evolution of musculoskeletal symptoms: indicators and profiles for a longitudinal analysis <i>Marie-Eve Major</i>
		Understanding gender, health and work through metaphor analysis <i>Cecilia Österman,</i>	Multi-method approach for evaluating visual conditions in control room environments <i>Susanne Glimne</i>	Bad plastic bag ergonomics <i>Göran Mikael Hägg,</i>
		Difference in risk perception and decision making of mountain guides: the role of observation and in interviews to question gender approach at work <i>Sandrine Caroly,</i>	Usability of electronic health records: What does the literature reveal about the work dimension? <i>Carolina Maria do Carmo Alonso,</i>	Musculoskeletal and visual discomfort among office workers <i>Triinu Sirge</i>
			Effects of different hand-held positions on upper limb movement and electromyography <i>Chihwei Lu,</i>	The influence of organization, management, team and employee factors on physical workloads and musculoskeletal disorders: The DOSES-IGLO project <i>Kristina Karstad</i>
11:20-11:40	Coffee break			
11:40-12:25	<b>KEYNOTE 4: Do we need new approaches for workplace health and employability?</b> <i>Andreas Holtermann, Professor of musculoskeletal disorders and physical workload, National Research Center for the Working Environment, Copenhagen Denmark</i>			
12:25-13:25	Lunch break			

# Tuesday, 27 August 2019

<p>Session 5</p> <p>13:25-14:55</p>	<p><b>WORKSHOP:</b> STUCK - Dealing with organizational trauma - (I) <i>Monique Hartmann,</i></p> 	<p><b>Participatory ergonomics</b> <i>Chair: TBA</i></p> <p>An intelligent fuzzy system for combating cybersickness in the elderly within a virtual museum <i>Cheng-Li Liu</i></p> <p>Experience on a participatory ergonomics development process in a public health and welfare service center - Meal and cleaning personnel in focus <i>Arto Reiman,</i></p> <p>The 3D model as a participative tool in ergonomic intervention in the oil and gas industry <i>Cynthia Mossé Alhadeff</i></p>	<p><b>Organisational design and management</b> <i>Chair: TBA</i></p> <p>The collective dimension of the Integrated Operations of Logistics in the oil &amp; gas industry <i>Luciano do Valle Garotti</i></p> <p>Mass lay-offs in the Norwegian petroleum industry. The influence of digitalization on the job situation for survivors. <i>Kari Anne Holte</i></p> <p>Understanding coordinated freight terminals from an HTO-perspective <i>Martina Berglund,</i></p> <p>Drivers for transforming the power grid company <i>Kine Reegård,</i></p> <p>Collaborative networking for workplace development <i>Ulrika Harlin,</i></p>	<p><b>WORKSHOP:</b> Human factors in Industry 4.0 <i>Patrick Neumann</i></p> 
<p>14:45-15:05 <b>Coffe break</b></p>				
<p>Session 6</p> <p>15:05-16:35</p>	<p><b>WORKSHOP:</b> STUCK - Dealing with organizational trauma - (I) <i>Monique Hartmann,</i></p> 	<p><b>NES Student Award</b></p>	<p><b>Ergonomics intervention</b> <i>Chair: TBA</i></p> <p>The influence of the organisation of work and leadership on occupational health and safety and on sickness absence in Danish abattoirs <i>Marie Louise Kirkegaard,</i></p> <p>Review paper: Secular trends in human physical capacities of the working population and some ergonomic implications <i>Kurt Jørgensen</i></p> <p>Changes in young people's views and attitudes to physical activities by their experiences of daily activity measurement: Twelve-week real-life trails with wearable sensors <i>Sahar Hamido</i></p> <p>A case of reengineering the layout of semiconductor manufacturing factory to improve musculoskeletal disorders of operators <i>Chilhwei Lu,</i></p> <p>Ergonomics intervention in computer data entry operations <i>Samson Sunday Adaramola</i></p>	<p><b>WORKSHOP:</b> Soter Spine - A wearable sensor to predict and prevent musculoskeletal injuries <i>Kristin Sommer,</i></p> 
<p>17:00-18:00 <b>NES General Assembly</b></p>				
<p>19:00 <b>Conference dinner</b></p>				

# Wednesday, 28 August 2019

<p>Session 7</p> <p>08:45-10:15</p>	<p>ROOM: TBA</p> <p><b>WORKSHOP:</b> Applying the concept Humans, Technology, Organization (HO) in practice - <i>Martina Berglund</i></p> 	<p>ROOM: TBA</p> <p><b>Digitalisation and automation of work - (I)</b> <i>Chair: TBA</i></p> <p>A model to promote learning at work in ICT systems implementation <i>Arja Ala-Laurinaho</i></p> <p>Digitalizing Company Communication and the effect on psychosocial work environment <i>Kathrin Kirchner</i></p> <p>Development of a cost-effective environment supporting remote collaboration <i>Asgeir Drøivoldsmo</i></p> <p>Towards improving e-learning platforms for professional education <i>Steven C. Mallam</i></p>	<p>ROOM: TBA</p> <p><b>SPECIAL SESSION:</b> Ergonomic evaluation with modern digitalisation technology <i>Chair: TBA</i></p> <p>Occupational evaluation with Rapid Entire Body Assessment (REPA) via imaging processing in field <i>Yunju Lee,</i></p> <p>Effect of environmental representation and familiarity in a virtual reality hand manipulation training task <i>Rudy Ying-Yin Huang</i></p> <p>Utility of a low cost commercial EEG device for neuroergonomics studies <i>Marino Menozzi</i></p> <p>The legibility threshold of Chinese characters on the augmented reality display - A preliminary study <i>Chien-Chi Chang</i></p>	<p>ROOM: TBA</p> <p><b>Cognitive ergonomics - (I)</b> <i>Chair: TBA</i></p> <p>Analysis of nursing mental workloads in chemotherapy medication administration <i>Sheau-Fern Max Liang,</i></p> <p>Research of cognition of bicycle service between different user groups <i>Ming-Hsuan Hsieh,</i></p> <p>Factors contributing to high cognitive workload in "expert operators": a case in automotive manual assembly <i>Åsa Camilla Söderström</i></p>
<p>10:15-10:35 <b>Coffee break</b></p>				
<p>Session 8</p> <p>10:35-12:05</p>	<p><b>WORKSHOP:</b> Applying the concept Humans, Technology, Organization (HO) in practice - <i>Martina Berglund</i></p> 	<p><b>Digitalisation and automation of work - (II)</b> <i>Chair: TBA</i></p> <p>Digitalization in SMEs: automating or informing? <i>Arja Ala-Laurinaho</i></p> <p>Enabling data-driven decisions in power grid companies <i>Lars Hurlen</i></p> <p>A framework for aligning humans, technology and organisation in Industry 4.0 <i>Bzhwen Kadir</i></p> <p>Digitization of production: safety &amp; security groups of new technologies for prevention <i>Viktorio Malisa,</i></p>	<p><b>WORKSHOP:</b> 50 years of NES - From the end of the 1960's to the end of the 2010's <i>Kasper Edwards</i></p> 	<p><b>Cognitive ergonomics - (II)</b> <i>Chair: TBA</i></p> <p>Can your eyes convey your emotion? <i>Min Chi Chiu,</i></p> <p>Performance of visual attention switching between players of action and puzzle video games <i>Wei-Ru Chen</i></p> <p>The design criteria of virtual reality in e-commerce <i>Kuo-Wei Su,</i></p>
<p>12:05-12:25 <b>Coffee break</b></p>				
<p>12:25-13:10</p>	<p> <b>KEYNOTE 5: Future work: A company perspective on a changing work environment</b> <i>Camila Gram Andersson, Corporate Health, Safety &amp; Environment (HSE) department, Lundbeck, Denmark</i></p>			
<p>13:10-13:30</p>	<p><b>Closing session</b></p>			