

PROGRAM

PEROSH 2023 – 5th Research Conference & Anniversary Event Stockholm

Sweden

September 6th 2023 Anniversary event

K1	Keynote 1: 20 years of PEROSH, Frank Pot , first chair of PEROSH, former director of TNO Work and Employment, The Netherlands
K2	Keynote 2: PEROSH; an effective regional network, Claude Donald Loiselle , ILO
K3	Keynote 3: Injecting OSH-research into policy and practice, Ole Henning Sørensen , Ph.D. Chief Consultant, NFA, Denmark

September 7th 2023 Research Conference

K4	Keynote 1: Characteristics of trustworthy Artificial Intelligence, Dietmar Reinert , Director Institute for Occupational Safety and Health of the German Social Accident Insurance, Germany
K5	Keynote 2: Work environment and gender equality in the green and digital industrial transition. How to navigate between utopia and dystopia?, Lena Abrahamsson , Professor in Human Work Science and Scientific Leader of Creaternity, Luleå University of Technology, Sweden

	A	B	C
	Work Organisation and OSH <i>Chair: Andrew Curran</i>	OSH questions & Techniques (biological risk) <i>Chair: Peter Paszkiewicz</i>	Anticipating future questions <i>Chair: Diana Gagliardi</i>
	A1 Worker job satisfaction and perceived work-related stress. How did this change over the COVID-19 pandemic? <i>David Fishwick (HSE)</i>	B1 Viruses as harmful contaminants in occupational environment <i>Agata Stobnicka-Kupiec (CIOP-PIB)</i>	C1 The German Social Accident Insurance's Risk Observatory: Future trends and their impact on OSH <i>Angelika Hauke, Eva Flaspöler (IFA)</i>
	A2 Trends in mental health complaints of Dutch young workers and potential causes <i>Malte van Veen (TNO)</i>	B2 Bioaerosol exposure in waste sorting plants in Norway <i>Pål Graff (STAMI)</i>	C2 Buildings of the future. What challenges for OSH? <i>Marc Malenfer (INRS)</i>
	A3 Does job control contribute to differences in physician-certified sickness absence across office concepts? <i>Randi Hovden Borge (STAMI)</i>	B3 Our waste – their disease? The airborne virus exposure of wastewater treatment plant workers <i>Anna Jacobsen Lauvås (STAMI)</i>	C3 The use of virtual reality to simulate the work of high-power robots on a construction site <i>Andrzej Grabowski (CIOP-PIB)</i>

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	A4	CANCELED Growth of healthy and good work in the Swedish business sector until the COVID-19 pandemic & Learning at work, alongside the number of OSH areas, explains the company OSH management <i>Annette Nylund (SAWEE)</i>	B4	On the opportunities and challenges for taking into account poly-exposures to chemical and biological agents in prevention: teaching from some examples in the food processing and waste treatment industries in France <i>Philippe Duquenne, Patricia Battais (INRS)</i>	C4	Measuring employees' perceptions of sustainability transitions at work – A novel survey method <i>Fanni Moilanen (FIOH)</i>
	A5	Work less, feel better? Evidence on working time changes and wellbeing in Germany <i>Johanna Nold (BAuA)</i>	B5	Mycotoxins, where do we find them? and why are they important? <i>Solveig Krapf (STAMI)</i>	C5	Artificial Intelligence for Occupational Health and Safety: Prospects and Challenges to 2035 - A prospective study <i>Jennifer Clerté (INRS)</i>
	A6	Inhalativ heroin exposure of workers at supervised drug consumption facilities in Germany <i>Daniel Köster (IFA)</i>	B6	A COVID-19 outbreak in a large meat processing plant in England: transmission risk factors and controls <i>Yiqun Chen (HSE)</i>	C6	Prevention-through-design for risk anticipation in nano and advanced materials production <i>Fabio Boccuni (INAIL)</i>
	A7	Hybrid working toolbox: The development of a toolbox to support organizations in Hybrid working <i>Carlijn Brouwer (TNO)</i>	B7	Determination of proteins in air – New specific marker of airborne exposure in the food industry <i>Christine Darbakk (STAMI)</i>	C7	Influence of clothing adjustment value (CAV) index on the heat load <i>Joanna Orysiak (CIOP-PIB)</i>
	A8	A literature review: Managing occupational safety and health, meanings of company size and work organization <i>Maria Johansson (SAWEE)</i>			C8	Fabric's solar UV radiation protective properties <i>Silvia Torres Ruiz (INSST)</i>

	D	Work Organisation and OSH <i>Chair: Noortje Wiezer</i>	E	OSH questions & Techniques (chemical risk) <i>Chair: Agnès Aublet-Cuvelier</i>	F	Anticipating future questions <i>Chair: Mary Trainor</i>
	D1	Psychosocial work environment and health, work-life balance, and productivity when working remotely <i>Johan Stenmark (SAWEE)</i>	E1	Canister sampling of ethylene oxide - validation of a new sampling and measurement method and first field measurements in working areas <i>Benedikt Thomas (IFA)</i>	F1	Contemporary protective gloves <i>Natalia Litwicka (CIOP-PIB)</i>
	D2	In response to climate and environmental emergencies, do mission-based companies improve workers' well-being or enhance conflicts amongst workers? <i>Vincent Grosjean (INRS)</i> Presenter: Agnès Aublet-Cuvelier	E2	Occupational Oral Exposure: Data and Knowledge Base for Assessment and Modelling <i>Marlene Dietz (BAuA)</i>	F2	Diffusion of responsibility in adaptive human-robot interaction <i>Susanne Niehaus (BAuA)</i>

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	D3	Work: a tailored intervention program for prevention of work stress <i>Luuk Bouwens (TNO)</i>	E3	Development of an in vitro human liver model as a New Approach Methodology for hepatotoxicity assessment <i>Graciela Lopez Soop (STAMI)</i>	F3	Impact of back supporting exoskeletons on kinematics and joint loading of the lower body during gait <i>Omar El-Edrissi (IFA)</i>
	D4	Psychological contracts in platform work - The nature of "fair deal" in diverse control structures <i>Jere Immonen (FIOH)</i>	E4	A reference material for non-volatile PAHs – development, production and analysis <i>Julia Linke (IFA)</i>	F4	Influence of the characteristics of active back-support exoskeletons on muscle activity during a lifting task <i>Mathilde Schwartz (INRS)</i>
	D5	Psychosocial risks at digital platform work: Main factors related to stress in Spain <i>Jorge Martín González (INSST)</i>	E5	How occupational safety benefits from digitization - OMEGA one <i>Manuel Kühn (IFA)</i>	F5	The impact of new technological developments on various aspects of work for Dutch employees <i>Liza van Dam (TNO)</i>
	D6	Night Work in Cold Environment <i>Phong Chau (STAMI)</i>	E6	Targeted cadmium species analysis in blood for occupational exposure evaluation: a feasibility study <i>Mathieu Melcer (INRS)</i>	F6	Building awareness of safe work during additive manufacturing <i>Elżbieta Dobrzyńska (CIOP-PIB)</i>
	D7	Mechanistic evidence for shiftwork-mediated cardiovascular disease: a systematic review <i>Mrinal Kumar Das (STAMI)</i>	E7	Design and characterisation of a methodology for spatio-temporal mapping of exposures at the workplace <i>Narech Houessou (INRS)</i>	F7	Risk assessment of safety-critical AI-applications in work equipment <i>Stefan Voss (BAuA)</i>
	D8	Low back pain among eldercare workers: What is the occupational physical activity Sweet-Spot? <i>Stavros Kyriakidis (NFA)</i>	E8	Metabolic disruptions following gestational exposure to organophosphorus flame retardants using blood biochemistry and fatty acids profiles <i>Sarah Valentino (INRS)</i>	F8	Prevention of slip, trip and fall accidents using machine learning <i>Moritz Schneider (IFA)</i>

K6	Keynote 3: Advanced techniques for hazard and exposure assessments in occupational health, Sophie Ndaw, Head of toxicology department INRS, France
K7	Keynote 4: Discovering Safety Program, the world risk poll, Ruth Boumphrey, Chief Executive of Lloyd's Register Foundation

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	G	Work Organisation and OSH <i>Chair: Dietmar Reinert</i>	H	OSH questions & Techniques (dust, fibres and particles) <i>Chair: Paulien Bongers</i>	I	Anticipating future questions <i>Chair: Steffen Bohni</i>
	G1	Impact of psychosocial and mechanical work factors on medically certified sick leave due to musculoskeletal disorders <i>Rigmor Knutsen (STAMI)</i>	H1	Development of high-volume personal aerosol samplers <i>Hendrik Sakowsky (IFA)</i>	I1	Potentials of Artificial Intelligence for Occupational Safety Risk Analysis <i>Martin Westhoven (BAuA)</i>
	G2	Mental Health Promotion at Social and Health Care Workplaces <i>Risto Nikunlaakso (FIOH)</i>	H2	XRD and Rietveld Refinement - are we missing out by focusing on one component? <i>Johanne Ø. Halvorsen (STAMI)</i>	I2	OSH questions & Techniques (chemical risk) <i>Chair: Steffen Bohni</i> Guidance for the quantification of substance-specific exposure-risk relationships after exposure to carcinogenic hazardous substances at the workplace <i>Dirk Pallapies (IFA)</i>
		OSH questions & Techniques <i>Chair: Dietmar Reinert</i>				
	G3	Advances in noise control - sonic crystals as acoustic barriers <i>Jan Radosz (CIOP-PIB)</i>	H3	Biomonitoring for respirable crystalline silica in UK workers: the determination of Si-containing particles in exhaled breath condensate using single particle inductively coupled mass spectrometry <i>Jackie Morton (HSE)</i>	I3	Improving Occupational Safety and Health when Working with Diisocyanates <i>Chloé Charlotte Schröder (BAuA), Kristina Witzler (IFA)</i>
	G4	Generation and Extraction System for Individual Exposure <i>Sandra Breuer (IFA)</i>	H4	Technical developments to support on-site workplace measurements for respirable crystalline silica using portable Fourier transform infrared instruments <i>Peter Stacey (HSE)</i>	I4	Validation of measurement methods and their uncertainty especially for gases and vapours <i>Kristina Witzler (IFA)</i>
	G5	Improving the Understanding of Low Frequency Magnetic Field Exposure with Augmented Reality <i>Christian Werner (IFA)</i>	H5	Novel sampling and real-time measurement of workplace silica exposures. <i>Michael Hemingway (HSE)</i>	I5	"MUST" – A tool for the determination of measurement uncertainty and more <i>Cornelia Wippich (IFA)</i>

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	G6	Estimating hazards of pulling-in zones in transportation process of flexible foils on roller in foil machines. - Literature research and conception of a measurement <i>Matthias Clermont (IFA)</i>	H6	Measurements of airborne asbestos fibres during abatement of asbestos containing materials <i>Torunn Ervik (STAMI)</i>	I6	Occupational Exposure to Organotin Substances: Speciation of 11 Organotin Compounds in Workplace Air Samples via HPLC-ICP-MS <i>Carina Cläsgens (IFA)</i>
	G7	New ASSIST-IoT approach for a real-time risk assessment and management concerning UV light exposure at the construction site <i>Małgorzata Okrasa (CIOP-PIB)</i>	H7	Occupational exposure to airborne micro- and nanoplastics <i>Øyvind Pernell Haugen (STAMI)</i>	I7	Understanding the mechanisms of inflammatory responses of titanium dioxide nanoparticle exposure using an ALI inhalation model <i>Susann Wolf (STAMI)</i>
	G8	Inflammation in firefighters <i>Joanna Orysiak (CIOP-PIB)</i>	H8	Long-term occupational exposure to PM10 and respiratory health of Parisian subway workers <i>Romain Freund (Unisanté)</i>	I8	EU-OSHA's initiatives to assess the exposure of workers to cancer risk factors and chemicals: gathering exposure data through the workers' exposure survey and other means <i>Elke Schneider(EU-OSHA)</i>

K8	Keynote 5: Smart sensors for a healthy and safe working environment, by Eelco Kuijpers, TNO, The Netherlands (Presenter: Paulien Bongers)
K9	Keynote 6: Thriving Together: The Importance of Leadership in Creating a Culture of Well-Being, Health and Learning for Sustainable Competence Supply Management, by Andreas Wallo, Senior Associate Professor in Education at the Department of Behavioural Sciences and Learning at Linköping University, Sweden