

PROGRAM

PEROSH 2025 – 6th Research Conference Manchester

United Kingdom

September 10th 2025 Research Conference

K1	Keynote 1: European Collaboration as a Pathway for Societal Impact and Academic Excellence, Steffen Bohni Nielsen , Director General of the Danish National Research Centre for the Working Environment – NFA, member of the Danish Research and Innovation Council and Chairman of PEROSH
K2	Keynote 2: Health Work and Wellbeing. Where are we now? Professor Dame Carol Black , former principal Newham college, University of Cambridge

	A	B	C
	Disruptive innovations in OSH <i>Chair:</i>	New and Emerging OSH risks in the workplace <i>Chair:</i>	Chemical Safety Now and in the Future: Navigating Emerging Risks <i>Chair:</i>
	A1 Virtual tour experience in OSH training: a case study for LOTO procedure <i>Alessia Williams (INAIL)</i>	B1 Precarious work, psychosocial working conditions and job satisfaction as predictors of employee's wellbeing: what matters most <i>Szymon Warszawski (CIOP-PIB)</i>	C1 Hydrogen Carrier Gas in GC-MS: A Sustainable Alternative to Helium for measuring PAHs in the Workplace <i>Godswill Akhigbe (HSE)</i>
	A2 Extended Reality in Ergonomics - Training with own Avatar <i>Norbert Lechner (AUVA)</i>	B2 Algorithmic Management & Artificial Intelligence (ALMA-AI) systems as a new form of work organization: Psychosocial factors and implications for OSH based on statistical evidence in regular work. <i>Mairi Bowdler (TNO)</i>	C2 Occupational exposure to micro- and nanoplastics in a plastic bottle recycling facility in Norway <i>Øyvind Pernell Haugen (STAMI)</i>
	A3 Chatbot as a support tool for accessing information on PPE – pilot <i>Agata Kmiecik (CIOP-PIB)</i>	B3 Influence of climate change on the exposure to vectors that transmit infectious diseases at workplaces <i>Raquel Herencia Romero (INSST)</i>	C3 Permeability of hazardous agents in cooling lubricants after application of occupational skin protection products <i>Magdalena Metzger (AUVA)</i>
	A4 An on-line OSH data exchange system for compliance <i>Antonis Targoutzidis (ELINYAE)</i>	B4 From Flexibility to Fragility: Occupational Hazards in Platform Work <i>Adrian Todolí-Signes (SAWEE)</i>	C4 Challenges and chances for occupational safety and health in circular economy <i>Nicoletta Godas (BAuA)</i>

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	A5	SOFTEMA: A tool to assist in the development of safety-related application software for machines <i>Albert Bohlscheid (IFA)</i>	B5	Digital transformation: organisational resilience for managing new emerging OSH risks <i>Edvige Sorrentino (INAIL)</i>	C5	Control of risk from stone dust containing high levels of crystalline silica <i>Chris Keen (HSE)</i>
	A6	Innovative tools in OSH info-training: Inail-Dimeila casestudies on road safety and climate change <i>Emma Pietrafesa (INAIL)</i>	B6	Examining the expansive object of safety professionals' work in Finland <i>Riikka Ruotsala (FIOH)</i>	C6	PEROSH-International Comparison of Sampling Strategies - Hazardous Substances (PEROSH-ICSS-HS) – an explorative feasibility study and first results with airborne wood dust <i>Christina Samel (IFA)</i>

	D	Disruptive innovations in OSH <i>Chair:</i>	E	New and Emerging OSH risks in the workplace <i>Chair:</i>	F	Chemical Safety Now and in the Future: Navigating Emerging Risks <i>Chair:</i>
0	D1	Evaluation of the load on bicycle delivery services using the 3D-musculoskeletal-model "Myonardo" <i>Norbert Lechner (AUVA)</i>	E1	Silence and Cultures of Silence in Working Life <i>Annette Nylund (SAWEE)</i>	F1	Embedding Behavioural Safety in the Green Transition: A Participatory Approach to Reducing Biological Exposure among Waste Collection Workers <i>Marie Svensmar Krag (NFA)</i>
	D2	Ergonomic Challenges of Working with Display Screen Equipment <i>Joanna Kamińska (CIOP-PIB)</i>	E2	Downsizing and mental distress <i>Eirik Degerud (STAMI)</i>	F2	Development of high-volume personal aerosol sampler <i>Marcel Dörr (IFA)</i>
	D3	From Past Insights to Future Challenges in the Age of Digital Transformation: A Scoping Review on Labour Inspectors <i>Swantje Robelski (BAuA)</i>	E3	Ethical and legal challenges on the use of artificial intelligence management of workers <i>Adrian Todolí-Signes (SAWEE)</i>	F3	Occupational exposure and inflammatory potential of bioaerosols in the food industry <i>Christine Darbakk (STAMI)</i>
15:00	D4	Adopting occupational exoskeletons: from initial interaction to long-term use <i>Liên Wioland (INRS)</i>	E4	Risk Assessment Approach for Industrial AI Systems Based on Established Industry Methods – First Steps <i>Colin Chambers (HSE)</i>	F4	Sentinel Network of Oncology Specialists for Detecting the Occupational Origin of Paranasal Sinus Cancer Cases <i>Carina Liarte Zwaan (INSST)</i>

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		<i>Chair:</i>		<i>Chair:</i>		<i>Chair:</i>
	D5	Improvements in the determination of diisocyanates using a new gradient elution HPLC methodology <i>James Forder (HSE)</i>	E5	How Fraud and Undeclared Work Degrade Work Environments and Exploit Workers across Different Industries: A Literature Review <i>Monica Kaltenbrunner (SAWEE)</i>	F5	Addressing emerging challenges in the surveillance of occupational cancer: the Italian model of integrated monitoring systems <i>Alessandro Marinaccio (INAIL)</i>
	D6	Balancing Accuracy and Wearability: Sensor Configuration Strategies for Real-World Near-Fall Detection <i>Moritz Schneider (IFA)</i>	E6	The Futures 2 project: a comparative analysis of PEROSH researchers' priorities and national OSH strategies to assess the impact of health, social and economic changes on future research. <i>Bruna Maria Rondinone (INAIL)</i>	F6	Using Drones to Apply Plant Protection Products: work to understand potential exposure routes and risks to operators <i>Tony Wilson (HSE)</i>

K3	K3 Keynote 3: The Health and Occupation Research (THOR) network: 35 years of occupational disease data in the UK, Professor Martie van Tongeren, University of Manchester
K4	K4 Keynote 4: NIOSH under constraints: what's at stake for occupational health & safety? Lyne Sauvageau, Chief Executive Officer of the Robert Sauvé Research Institute in Occupational Health and Safety (IRSST)

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	G	Disruptive innovations in OSH	H	New and Emerging OSH risks in the workplace	I	Chemical Safety Now and in the Future: Navigating Emerging Risks
		<i>Chair:</i>		<i>Chair:</i>		<i>Chair:</i>
	G1	Discovering Safety's Construction Risk Library - A knowledge tool to support design risk treatment on construction projects <i>Steven Naylor (HSE)</i>	H1	Lessons Learned from the COVID-19 Pandemic for Occupational Safety and Health; An International Comparison <i>Robert Ljung (SAWEE)</i>	I1	How to reduce the constantly rising climate risk due to solar UV-exposure in occupational settings at high risk <i>Claudine Strehl (IFA)</i>
	G2	OSH for All? Exploring the Role of LLM-based Chatbots in Enhancing Access to Health and Safety Information <i>Swantje Robelski (BAuA)</i> <i>Marie Jelenko (AUVA)</i>	H2	What about the effects of climate change on workers' health? <i>Angeles de Vicente (INSST)</i>	I2	Potential exposure to airborne nanomaterials generated from 3-D printing processes <i>Fabio Boccuni (INAIL)</i>

	G3	Smarter Regulatory Sandbox - exploring opportunities to improve health and safety using AI and technology <i>Helen Balmforth (HSE)</i>	H3	Sick leave and occupational status. A decomposition analysis from Norway. <i>Ståle Østhus (STAMI)</i>	I3	Design and investigation of a high flow respirable sampler <i>Dzmitry Misiulia (University of Kaiserslautern-Landau; on behalf of IFA)</i>
	G4	Workers' Participation, Representation and Prevention in the Digital Era: Evidence from National Case Studies <i>Giuliana Buresti (INAIL)</i>	H4	The Impact of Remote Work on Gender Equality in the Labour Market: Quantitative Findings from Sweden and a Systematic Review of International Research <i>Johan Stenmark (SAWEE)</i>	I4	MCDA-assisted chemical alternatives assessment based on input data generated using the SSbD toolbox <i>Eero Lantto (FIOH)</i>
	G5	AI-supported electron microscopy analysis of occupational asbestos exposure concentrations: Needs and state of play <i>Keld Alstrup Jensen (NFA)</i>				

K5	K5 Keynote 5: EU-OSHA; a new strategy and new ambitions, William Cockburn Salazar, Executive Director of the European Agency for Safety and Health at Work, Bilbao, Spain
K6	K6 Keynote 6: Current Occupational Health Challenges in South Africa, with a Focus on Psychosocial Risks. Professor Spo Kgalamono, NIOH Executive Director