Focus on Humans in a TECHNOLOGICAL World

25-28th September 2022
AA1 Future trends and emergent issues

11:00 How does precarious work conditions and performance-oriented ideals affect mental health among young Danish workers in their early work life? ID1045
Nielsen, Mette Lykke; Winding, Trine Nahr; Grytnes, Regine

11:20 Megatrends: impacts on the future of safety in high-hazard industries ID1095
Bieder, Corinne; Kamaté, Caroline

11:40 Developing hybrid managerial practices: Site managers' professional identities and their impact on safety practices in the construction industry ID1058
Jeschke, Katharina C; Boch Waldorff, Susanne; Thanning Vendelø, Morten; Ajslev, Jeppe

12:00 Real Time Cable Fault Detection ID1061
Kaur, Pavneet; Bhatnagar, Vanshika; Singh, Aditya Kumar

12:20 Third-party audit bodies' role in risk and safety regulation ID1111
Sterkersen, Kristine V; Standal, Martin Inge; Skogstad, Martin Rasmussen; Ogedal, Maja Joner; Hansen, Susanne Therese; Almklov, Petter Grytten

12:40 Teleworking and Occupational Safety and Health (OSH) Challenges ID1025
Cleo Varianou-Mikellidou

AB1 Safety Culture

14:30 Cultural factors that contribute to aviation accidents in Brazil ID1038
Gonçalves Filho, Anastacio Pingo; Magdiel, Adonias; Pinto, Lucas

14:50 Chicago Tylenol Murders: Information and Mindfulness ID1081
Oliveira, Maria João S.

15:10 A better culture of prevention and innovation through an open error culture ID1107
Herbst, Sabine

15:30 Evaluation of Safety Culture in Industrial Companies in the Czech Republic ID1112
Slovačkova, Ivana

15:50 Cultivating a 'just' culture in construction industry to improve Occupational Health and Safety management systems: lessons learnt from aviation ID1019
Duryan, Meri

16:10 Safety and health management in an Arctic context ID1189
Jeschke, Katharina C; Hasle, Peter; Kappel, Anne Lise; Voxted, Søren

AC1 Education, training and lifelong learning

17:00 Covid19 and the organizational upgrade of the engineering integrated courses: the case of the three years Degree on Environmental and Prevention techniques of Turin University ID1040
Nebbia, Rebecca; Pentimalli, Salvatore; Patrucco, Mario; Tartaglia, Michele; Costa, Giuseppe; Tisi, Massimiliano; Martin-Daza, Felix; Pira, Enrico

17:20 Design Thinking in Occupational Health and Safety Management ID1167
Gren, Sisse M.F; Broberg, Ole

17:40 Evaluating the effectiveness of Instructions Before Entry ID1139
van Moll, Evi D.; van Kampen, Jakko; Veg, Kirsten

18:00 Experience report: Analysis of the safety culture maturity of large companies in Brazil using the Hearts & Minds method ID1131
Silva, Maria Cristina; de Freitas, Denis

18:20 Self-reflecting learning strategies in OSH education ID1181
Rehoeck, Jakub; Kocurkova, Lucie

18:40 Experienced-based Safety Training - Impactful in-person training with long lasting memory impact! ID1063
Krope, Matthias
Monday
26th September
ROOM 2

**AA2 Risk Management and safety culture**

11:00 The effect of proactive accident prevention for the risk of work accidents ID1029
*Thorsen, Sonnie V; Laursen, Line; Dyreborg, Johnny; Madsen, Christian; Hasle, Peter*

11:20 An overview of risk perception research in Occupational Health and Safety literature: A narrative review ID1079
*Lammers, Marre; Jansen, Tom*

11:40 Handling and Storage of Lithium Batteries ID1168
*Fröhlich, Hans-Peter HPF*

12:00 Psychological classification of occupations in industrial enterprises in the fly-in-fly-out work organization ID10
*Korneeva, Yana; Simonova, Natalia*

12:20 Safety climate factor as a component of index-based risk assessment ID1015
*Kalugina, Anastasia; Meyer, Thierry*

12:40 Subjective assessment of the danger of professional situations by FIFO workers in various industries ID1174
*Korneeva, Yana; Simonova, Natalia*

**AB2 Safety/Risk Management systems**

14:30 Predicting the probability and severity of accidents at work – new approach to analysis of existing statistical data ID1148
*Ordyński, Szymon*

14:50 Weak signals framework for promoting better OSH regulation and practice ID1101
*Nicolaidou, Olga; Varianou-Mikellidou, Cleo; Dimopoulos, Christos; Boustras, George*

15:10 Preventing high-consequence accidents in construction through the management of barriers ID1103
*Kjellén, Urban*

15:30 Towards the application of a simplified approach for OSH risk assessment through a user-friendly and expedite computational tool ID1013
*Gaspar, Pedro; Lima, Tânia M.; Alves, Joel*

15:50 Patterns of occupational injuries and diseases in Zambia during the period 2008-2018 ID1163
*Zambwe, Mowa*

16:10 Indoor Air Quality Management System - A proposal for a standard ID1172
*Santi, Francesco FS*

**AC2 Risk and prevention during pandemic**

17:00 Emergency in the Emergency: the Risk Assessment and Management challenge of coping with the Covid-19 criticalities in case of routine maintenance and extraordinary repairs in Industrial activities and Opencast and Underground constructions ID1043
*Nebbia, Rebecca; Patrucco, Mario; Pira, Enrico; Monai, Laura; Pentimalli, Salvatore; Sorlini, Achille*

17:20 Investigation of risk factors in meat and poultry processing plants after superspreading COVID-19 outbreak events in Germany ID1127
*Pokora, Roman M; Weigl, Matthias; Kutschbach, Susan; Epple, Annegret; Simeonova, Yanita; Stennes, Ludger; Rietschel, Peter; Hecht, Jürgen; Dienstbühl, Isabel*

17:40 Response of labour inspectors to the COVID-19 pandemic. Evidence from Cyprus and assessment of burnout experienced by labour inspectors. ID1186
*Anyfantis, Ioannis; Coudournaris, Jonh; Rachiotis, Georgios*

18:00 COVID 19 in a hospital complex with 22,000 health professionals in Brazil– Analysis of 1237 cases in January and February 2022 ID1173
*Nery, Telma CS*

18:20 Organizational conditions for Systematic Occupational Health and Safety Management practices in homecare and nursing homes, before and during pandemic ID1108
*Dellve, Lotta; Skagert, Katrin*

18:40 Work-life balance during COVID-19 among university faculty and professional staff ID1116
*Sønderstrup-Andersen, Hans H. K.; Birk, Pernille*
AA3 Digitalisation

11:00 Safety and Security - Mitigation of dangerous Attacks on Industrial Control Systems ID9
Stein, Jonas
11:20 Artificial Intelligence based systems for the automation of tasks and implications for Occupational Safety and Health: evidence from EU-OSHA research ID1027
Anyfantis I; Starren A; Brun E; Curtareli M
11:40 Towards a new model of organizational prevention enabled by digital strategies ID1047
Sánchez-Segovia, Maria-Isabel; Dugarte-Peña, German L; Amescua, Antonio; Barrio-Reyes, Eva; Medina-Domínguez, Fuensanta
12:00 Prevention on the path of digitalisation ID1128
viktoriao.malis@auva.at; georg.effenberger@auva.at
12:20 Feasibility of a tracking system for hospital beds to improve work processes of nurses ID1080
Ibenthal, Elisabeth; Hinricher, Niels; Backhaus, Claus
12:40 Behavior based observation: a technological way to manage a traditional approach to safety ID1182
Silva, Maria Cristina; Madruga, Alisson

AB3 Research into practice

14:30 A world of human risk - findings from the World Risk Poll ID1020
Genasi, Chris; Czumbers, Sarah
14:50 Post-simulation debriefing: Opening the black box of facilitation in maritime safety training ID1065
Wahl, Aud Marit; Solem, Anniken
15:10 Tracking the right path: safety performance indicators in transport of critically ill patients ID1082
Hayes, Jan; Slotsvik, Tone Ny; Pettersen Gould, Kenneth
15:30 Effects of long shifts on safety behavior ID1087
Räsvänen, Tuula; Sallinen, Mikael; Ropponen, Annina; Kanerva, Tomi
15:50 The needle in the haystack - practical approaches to the Corona pandemic in the hospitality, hotel and food industries ID1102
Weimar, Andrea; Rietschel, Peter; Pokora, Roman
16:10 Risk Reduction by Safety Leadership ID1105
Roggeveen, Victor

AC3 Company-based safety management systems

17:00 How to update the Safety Management System through Machine Learning ID1016
Ansaldi, Silvia Maria; Bragatto, Paola A; Agnello, Patrizia
17:20 Differences in occupational health and safety efforts between adopters and non-adopters of Certified Occupational Health and Safety Management Systems in Denmark ID1036
Madsen, Christian; Laursen, Line Leonhardt; Dyreborg, Johnny; Thorsen, Sannie Vester; Hasle, Peter
17:40 The effect of Certified Occupational Health and Safety Management Systems (COHSMSS) on accidents at work ID1037
Dyreborg, Johnny; Madsen, Christian; Laursen, Line Leonhardt; Thorsen, Sannie Vester; Hasle, Peter
18:00 Leading indicators for safety, health and wellbeing at work ID1066
Kines, Peter; Zwetsloot, Gerard; Leka, Stavroula; Jain, Aditya
18:20 The development of a common standard for reporting accidents on large construction projects in Denmark ID1184
Ajslej-Jeppe, Nim, Ika; Kines, Peter; Møller, Jeppe L; Dyreborg, Johnny
18:40 Factors contributing to the incidence of occupational accidents at construction sites in Lusaka city ID1162
Simutenda, Philip; Zambwe, Mowa; Nkumbula, Elizabeth; Bwembya, Priscilla; Gasana, Janvier; Mutemwa, Richard
Emerging/new technologies, materials and practices

**Monday 26th September ROOM 4**

**AA4**

**11:00** Sensing technology applications in the mining industry – Short Review [ID1115]
*Duarte, Joana; Castelo Branco, Jacqueline; Rodrigues, Fernanda; Santos Baptista, João*

**11:20** Risk management in Li-ion battery supply chain [ID1124]
*Perttula, Pia; Vorne, Jarmo; Säämänen, Arto; Garcia, Leire; Barruetabeña, Leire; Rodríguez-Llopis, Isabel*

**11:40** Virtual design and construction a challenge for OSH Professionals in construction [ID1183]
*Nimb, Ika; Asløfta, Evangelitsa*

**12:00** Taxonomy for the classification of AI-based ICT and robotics and OSH impacts [ID1140]
*Rosen, Patricia Helen; Heinold, Eva; Moore, Phoebe; Wischniewski, Sascha*

**12:20** Office layout design methodology and tool to consider OHS requirements [ID1067]
*Feno, Remiel*

**12:40** Psychosocial opportunities and risks related to the application of collaborative robots in the work environment [ID1144]
*Skład, Anna M; Ordysinski, Szymon; Galwas-Grzeszkiewicz, Magdalena; Pęciłło-Pacek, Małgorzata*

**AB4** High risk activities – safety in action

**14:30** Firefighters’ Perceptions of Occupational Noise Exposure and Associated Health Outcomes [ID1014]
*Millet, Barbara; Solle, Natasha; Snapp, Hillary; Rajguru, Suhrud; Khan, Uzma*

**14:50** Risk of fire by FRAME method and survey effect of trained crisis management team, on the level of fire risk [ID1056]
*Habibi, Ehsanollah; Aslani, Ali Mohammad*

**15:10** Expanding on senses in sensemaking: A study of frontline safety and security work [ID1070]
*Midtlyng, Grethe*

**15:30** Reflections on ethical dilemmas in safety practices [ID1098]
*Zwetsloot, Gerard*

**15:50** Human-automation interaction on the flight deck [ID1119]
*Wahl, Aud Maria; Evjemo, Tor Erik; Lind, Aleksander*

**16:10** Reinforcement of industrial safety expertise in West Africa (AAF) [ID1149]
*Salvi, Olivier; Karamoko, Vadiawè; Gbolou, Adégïnïka Joseph*

**AC4** Methods and approaches to labor inspection

**17:00** Ergonomics at the Toilet – the Swedish Mystery of Assistive Care [ID1072]
*Larsson, Tore J; Wilson, Kay*

**17:20** Developments on Occupational Safety and Health in the Construction Industry - Methods and approaches to Labour Inspection [ID1090]
*Tsooulofta, Evangelitsa; Tantele, Elia; Soeiro, Alfredo; Kyriakides, Nicholas*

**17:40** OSH and Labour Inspection in Africa: Challenges and Recommendations [ID1093]
*Iden, Ehi*

**18:00** Improving compliance with regulation and achieving better practice on occupational safety and health in the European agri-food and construction sector [ID1135]
*Elsler, Dietmar; Starren, Annick; Lieck, Lothar*

**18:20** Learning from accidents: man and technology [ID1154]
*Tijsse, Janne*

**18:40** Work today and in the future: Perspectives on Occupational Safety and Health challenges and opportunities for the Nordic labour inspectorates [ID1158]
*Samant, Yogindra; Falk, Magnus; Husberg, Wiking; Knudsen, Annemarie; Einarsson, Sigurður; Kalliolinna, Helena*