



PRELIMINARY PROGRAMME

DAY 1 | Monday 24 September 2018

09:00 - 10:00	REGISTRATION AND EXHIBITION	
10:00 - 10:15	Welcome	
10:15 - 11:00	SESSION 1 KEYNOTE Multipollutant models for etiologic research: a closer look Lützen Portengen, Netherlands	
11:00 - 12:30	SESSION 2a MODELLING <ul style="list-style-type: none"> Using semi-continuous models to account for possible true zeros in left-censored data: Application to OSHA laboratory measurements Melissa Friesen Modelling of exposure to inhalable and respirable welding fumes at German workplaces Benjamin Kendzia After the darkness comes the light. How macro-economic developments affect personl exposure to respirable dust and quartz Hans Kromhout SOCcer 2.0: An improved computer algorithm to code free-text job descriptions to standardized occupation classification codes Melissa Friesen 	SESSION 2b SAMPLING METHODS <ul style="list-style-type: none"> Biological monitoring of inorganic mercury – can the kidney burden be estimated? Gerd Sällsten Advancements in Laser-Ablation ICP-MS for Hair as a Biomarker of Past Exposures Boris Reiss Oxidative stress and epigenetic changes in workers exposed to a complex mixture of solvents and ultra-fine particles Matteo Creta What sampling method to apply for the occupational exposure assessment to bioburden in Portuguese bakeries? Carla Viegas
	LUNCH	
13:30 - 15:00	SESSION 3a DERMAL <ul style="list-style-type: none"> The development and application of a scenario-based test protocol for dermal exposure assessment in HAZMAT incidents Leigh Thredgold Laboratory validation and field assessment of petroleum laboratory technicians' dermal exposure to crude oil using a wipe sampling method Karen Galea Evaluating glyphosate exposures among amenity horticulturists using biomonitoring, dermal and inadvertent ingestion exposure assessment methods Kate Jones Systematic analysis of dermal exposure to hazardous chemical agents at the workplace: outcomes of the SysDEA project Suzanne Spaan 	SESSION 3b NANO <ul style="list-style-type: none"> Exposure Assessment and Control of Nanoparticles during 3D printing Chungsik Yoon Reactive oxygen species (ROS) production from airborne cement nanoparticles with or without UV exposure Kiattisak Batsungnoen Predicting Occupational Exposures to Carbon Nanotubes and Nanofibers based on Workplace Determinants Modeling Matthew Dahm Measurement of dustiness of bulk materials that contain or release nano-objects or submicrometer particles using the rotating drum Delphine Bard
	TEA / COFFEE BREAK	
15:30 - 17:00	SESSION 4a BIOMONITORING <ul style="list-style-type: none"> Human Biomonitoring of urinary Bisphenol S - Method development and results of a pilot study among German adults Michael Bader Diisocyanate-lysine conjugates in urine samples of diisocyanate exposed workers Laura Kenny Toxicokinetics of the fungicide tebuconazole following oral and dermal administration in a human volunteer study Arné Oerlemans Intrusion of chlorinated hydrocarbons from an environmental contamination by dry cleaning. Measurement of indoor air quality and biomonitoring by analysis of end-exhaled air Paul Scheepers 	SESSION 4b REACH <ul style="list-style-type: none"> A case study evaluating the risk assessment approach of the REACH legislation using exposure models and calculated risk characterization ratios Hakan Tinnerberg The development of the mechanistic model underpinning the dermal Advanced REACH Tool (daRT) Henk Goede The Dermal Advanced Reach Tool (daRT): a Bayesian model for dermal exposure assessment Kevin McNally Risk management measures & their impact on occupational exposure levels to hazardous substances - A review Susann Wothe
	SESSION 5 KEYNOTE HBM4EU – Coordinating and Advancing Human Biomonitoring in Europe Andre Conrad, Germany	
17:45 - 18:30	DRINKS RECEPTION, EXHIBITION & POSTERS	

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For any further information please contact Rachel Sipson, BOHS conference team:
conferences@bohs.org or +44 (0)1332 250713



PRELIMINARY PROGRAMME

DAY 2 | Tuesday 25 September 2018

08:30 - 09:30	REGISTRATION AND EXHIBITION	
09:30 - 11:15	SESSION 6a EXPOSURE ASSESSMENT MODELLING <ul style="list-style-type: none"> Exposure modelling in a cohort of Swedish hard metal production workers Håkan Westberg Diesel exhaust exposure during farming activities: statistical modeling of continuous black carbon concentrations Jean-François Sauvé Assessment and assignment of exposure to asbestos for an industrial cohort of chrysotile miners and processors Hans Kromhout Occupational exposure to flame retardants among Canadian e-waste dismantlers Victoria Arrandale Development of an "Individual Expert Assessment Framework" for former miners, in Ontario Canada, exposed to McIntyre Powder Kevin Hedges 	SESSION 6b PESTICIDES <ul style="list-style-type: none"> What is the validity of surrogate measures of occupational pesticide exposure used in epidemiological studies? Ioannis Basinas Application of an algorithm to quantitatively estimate non-occupational pesticide exposure intensity for spouses in the Agricultural Health Study Nicole Deziel Exposure assessments methods in studies of occupational exposure to pesticides the last 25 years: a systematic review Johan Ohlander Wind ramping as an indicator of occupational and bystander illness from pesticide drift in Washington State Edward Kasner Impact Assessment of Pesticides on the environment and human health in the Sais plain in Morocco Imane Berni
	TEA / COFFEE BREAK	
11:45 - 12:30	SESSION 7 KEYNOTE The role of surrogate exposure measures in environmental exposure assessment Nicole Cardello Deziel, US 	
12:30 - 13:30	LUNCH	
13:30 - 14:45	SESSION 8a EPIDEMIOLOGY METHODS <ul style="list-style-type: none"> Developing a framework to review exposure assessment quality in epidemiological cancer studies evaluated for the IARC Monographs Amy Hall Source-specific decision rules to assign historical occupational lead exposure in a population-based case-control study Melissa Friesen Evaluating Health Consequences of Non-standard Employment: How Do We Assess Exposure? Trevor Peckham Exposure Assessment in a Pooled Nested Case-Control Study or how we checked the exposure data was ok to pool Deborah Glass Retrospective occupational exposure assessment to chemicals in case-control studies in the general population – past, present, and future Calvin Ge 	SESSION 8b VOC/HEALTHCARE <ul style="list-style-type: none"> Characterizing respiratory irritant exposures from cleaning and disinfecting in home care Margaret Quinn Modeling the Determinants of Real-Time Total Volatile Organic Compound (TVOC) Exposure in Healthcare Settings Abbas Virji Improvement of work practices for safe use of formaldehyde in a university-based anatomy teaching and research facility Paul Scheepers Exposure to Volatile Organic Compounds (VOCs) Among Nail Technicians in Toronto, Canada Victoria Arrandale Understanding indoor human inhalation exposures to TCE from vapour intrusion Leonid Turczynowicz
	TEA / COFFEE BREAK	
15:15 - 16:00	SESSION 9 KEYNOTE Employment quality. A forgotten determinant of workers' health and well-being? Christophe Vanroelen, Belgium 	
19:00	CONFERENCE DINNER	



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PRELIMINARY PROGRAMME

DAY 3 | Wednesday 26 September 2018

09:00 - 09:30	REGISTRATION AND EXHIBITION	
09:30 - 11:00	SESSION 10a BUILDING KNOWLEDGE <ul style="list-style-type: none"> ⊗ Performance of respirators, masks and ad hoc cloth materials used to protect against inhaling volcanic ash Susanne Steinle ⊗ Health Interventions in Volcanic Eruptions – wearability assessment of selected respiratory protection following the recurrent eruption of Mt. Sinabung, North Sumatera Karen Galea ⊗ Building knowledge on risk control of hazardous substances in Vietnam Koen Verbist ⊗ Validation of a pesticide exposure algorithm for small-scale, middle-income farmers in Zarcero, Costa Rica Samuel Fuhrmann 	SESSION 10b PHYSICAL HAZARDS <ul style="list-style-type: none"> ⊗ Solar ultraviolet radiation exposure among outdoor workers in three Canadian provinces Cheryl Peters ⊗ A Danish Job Exposure Matrix (JEM) of daylight exposure Anne Vested ⊗ Diet, physical activity and daylight exposure patterns in rotating night-shift workers and controls Jelle Vlaanderen ⊗ Organ-specific integrative exposure assessment for radio-frequency electromagnetic fields: general population exposure and dose contribution of various sources Roel Vermeulen
	11:00 - 11:30 TEA / COFFEE BREAK	
11:30 - 12:15	SESSION 11 KEYNOTE Exposure Science methods and Challenges for Developing Countries Saloshni Naidoo, South Africa 	
12:15 - 13:15	LUNCH	
13:15 - 14:45	SESSION 12a FUTURES <ul style="list-style-type: none"> ⊗ Collecting Subject-Reported Information on Intermittent Agricultural Activities Using Smartphones Pabitra Josse ⊗ The future of occupational exposure modelling: new opportunities provided by sensor data Henk Goede ⊗ The use of NMR for targeted metabolomics in manganese exposure studies Marissa Baker ⊗ Statistical models to explore the exposome: from OMICs profiling to 'mechanome' characterization Roel Vermeulen 	SESSION 12b BIOLOGICAL AGENTS <ul style="list-style-type: none"> ⊗ Toward establishing standard methods for personal sampling of viable and non-viable bioaerosols: A review Stephen Larson ⊗ Exposure assessment to mycotoxins – Challenges and approaches to follow Susana Viegas ⊗ Characterization of variability in endotoxin and glucan exposure in Iowa farmers Jean-François Sauvé ⊗ Exposure assessment to azole resistant mycobiota. A demand in high load occupational environments Liliana Caetano
	SESSION 13 KEYNOTE The internal and external occupational exposome, a perspective on challenges and applications Rob Stierum, Netherlands 	
15:30 - 15.45	CONFERENCE CLOSE	

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