

Virtual Environment Analysis Symposium 2019

Agenda Day 1
Tuesday, October 22nd



Morning (from 10:30 CEST): EU Water Framework Directive Testing

- 20min** Legislative Background to The EU Water Framework Directive (2000/60/EC)
Dr. Dirk Hoegaerts., Agilent Technologies, Belgium
- 30min** Highly Sensitive Determination of Contaminants in Surface Water in the Context of the EU Water Framework Directive using Stir Bar Sorptive Extraction (SBSE) and GC-MS/MS.
Oliver Lerch, GERSTEL GmbH & Co.KG, Mulheim, Germany
- 20min** Quantitation of Haloacetic Acids by LC-MS: Rising to the Challenge of Revisions to the EU Drinking Water Directive
Jonathan Spencer, Agilent Technologies, United Kingdom
- 30min** Microcystins quantification and identification in water: Complementary QQQ and Hi-Res approaches
Kathy Hunt, Vogon Laboratory Services, Canada
- 20min** Ultra-trace level analysis of Hormones in Water using innovative sample preparation and Mass Spectrometry
Dr. Tarun Anumol, Agilent Technologies, USA

Afternoon (from 15:00 CEST): Per/Polyfluoroalkyl Substances in the Environment

- 30min** Comprehensive workflow to quantify legacy & emerging PFAS in Water, wastewater & biosolids
Dr. Bradley Clarke, Melbourne University, Australia
- 20min** Advances in automated sample preparation and analysis of polyfluoroalkyl substances in the environmental water samples
Dr. James Pyke, Agilent Technologies, USA
- 20min** Recent Developments in analysis of PFAS
Dr. Prashanth Annamalai, Global Center for Environmental Remediation, Australia
- 25min** Demystifying EPA 537.1 and EPA 8327 for PFAS analysis in water and wastewater with LC/MS/MS
Dr. Emily Parry, Agilent Technologies, USA
- 30min** Developing a Screening Workflow for PFAS in the Environment using advances in Ion Mobility Spectrometry-Mass Spectrometry (IMS-MS).
Dr. Erin Baker & Dr. James Dodds, North Carolina State University, USA

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Agenda Day 2
Wednesday, October 23th



Morning (from 10:30 CEST): Advances in sample preparation and analysis of regulated and POPs testing

- 35min** Streamlining method development and increasing productivity with the simultaneous analysis of volatile organic compounds and 1,4-Dioxane in Water
Detlef Knappe, Professor, Dept. of Civil, Construction, and Environmental Engineering, North Carolina State Univ., USA
- 25min** Measurement of Underivatized Glyphosate and Other Polar Pesticides in Surface Water
Jean-Francois Roy, Agilent Technologies, Canada
- 30min** *An Introduction to Dispersive Liquid - Liquid Microextraction (DiLLME)*
Jonathan Dunscombe, Anatune, UK
- 30min** Robust and sensitive analysis of PAH's, VOC's and Pesticides on PAL Systems
Stefan Cretnik, CTC Analytics, Switzerland
- 20min** Sensitive Nitrosamines Analysis in drinking Water using GC MS/MS
Diana Wong, Agilent Technologies, USA
- 20min** A Universal Site Calibration Model For measuring TPH in Soil
Sean Manning, Ziltek, Australia

Afternoon (from 15:00 CEST): Inorganics & Nanoparticles in the Environment

- 30min** How to Streamline Implementation of ICP-MS for Regulated Water Analysis
Ed McCurdy, Agilent Technologies Ltd, UK & Gregory Lecornet, Agilent Technologies, France
- 30min** Fast multi-element quantification of nanoparticles in water supplies and wastewater treatment using single particle ICP-MS
Dr. Yuxiong Huang, Tsinghua Berkeley Shenzhen Institute, USA
- 30min** GC/ICP/MS to track Iodinated & Brominated Disinfection byproducts in Water
Dr. Armando Durazo, University of Arizona, USA
- 30min** Elemental analysis of fish otoliths to assess life events and residency on artificial habitats with Laser Ablation ICP-MS
Dr. David Bishop, Elemental Bio-Imaging Facility, University of Technology Sydney, Australia

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Agenda Day 3
Thursday, October 24th



Morning (from 10:30 CEST): Techniques for Microplastic Characterization in the Environment

- 30min Investigations into Isolating Microplastics from Wastewater Influent
Justin Keogh, University of Arizona, USA
- 30min Quantum Cascade Laser (QCL) based IR Imaging and handheld mobile Spectroscopy for characterizing microplastics
Andreas Kerstan, Agilent Technologies, Germany
- 30min Extracting microplastics from the environment
Jack Buckingham, PhD candidate affiliated with the University of Hull. Freija Mendrik, PhD candidate affiliated with the University of Hull, England
- 30min Detection of Microplastics using Thermoanalytical Methods
Dr. Ulrike Braun, Bundesanstalt für Materialforschung und -prüfung (BAM), Germany
- 30min An analytical study of phthalate occurrence in the environment - a step toward understanding human exposures
Professor Fiona Regan, DCU Water Institute, Dublin City University, Ireland

Afternoon (from 15:00 CEST): Non-targeted & Effect-based Workflows for Identifying Emerging Contaminants in the Environment

- 30min High resolution mass spectrometry to assess transformation products and disinfection by-products in water
Danielle Westerman & Dr. Susan Richardson, University of South Carolina, USA
- 30min Advancing throughput for comprehensive HRMS screening of drinking water: Combined approach of online SPE and direct injection
Stephan Lebertz, SGS, Germany
- 20min Advancing the Exposome using mass spectrometry and complementary biological tools
Dr. Shi-Fen Xu, Agilent Technologies, China
- 30min Methods and challenges for the characterization of the Human Exposome
Dr. Sonia Dagnino, Imperial College, United Kingdom
- 30min Profiling Environmental Contaminants using GC-Q/TOF: Get the whole picture
Joerg Riener, Agilent Technologies, Germany

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