Poster Session and Technology Café

DAY 2: WEDNESDAY, november 20, 2019

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| Poster Session  York & Stratford Rooms | |
| 2:45–5:30 PM | Join us in the York and Stratford Rooms to view posters and interact with poster presenters. |
| 1 | Potential Local to Regional Scale Impacts from Wildfire Re-emission of Hypothetical Radiological Contamination Incidents  Kirk Baker | *U.S. Environmental Protection Agency* |
| 2 | Combining Spore Germination and Heat Inactivation to Decontaminate Materials Contaminated with *Bacillus anthracis* Spores  Tony Buhr | *Naval Surface Warfare Center Dahlgren Division* |
| 3 | Analysis of Chemical Warfare Agents by GC-MS Using Multimode Inlet for Large Volume Injection  Julia Capri | *Consolidated Safety Services, Inc.* |
| 4 | Preparation and Analysis of Opioids in Environmental Samples  Julia Capri | *Consolidated Safety Services, Inc.* |
| 5 | Evaluation of Emergency Skin Decontamination Protocols in Response to an “Acid Attack”  Joanne Larner | *University of Hertfordshire* |
| 6 | Decontamination of Hair and Related Issues Following a Mass Casualty CBRN/HazMat Incident  Joanne Larner | *University of Hertfordshire* |
| 7 | Development of a Rapid, High-Throughput Method for Quantifying Residual Caesium in Building Materials as Part of a Decontamination Evaluation Procedure  Joanne Larner | *University of Hertfordshire* |
| 8 | Lilliput or Brobdingnag: Does Scale Influence Decontamination Studies?  Joanne Larner | *University of Hertfordshire* |
| 9 | Derivation and Use of an Empirical, Time-Resolved Model for Predicting Residual Skin Contamination as a Decision-Aiding Tool for First Responders (“ASPIRE”)  Joanne Larner | *University of Hertfordshire* |
| 10 | Primary Response Incident Scene Management (PRISM): New U.S. Federal Guidance for Responding to a Chemical Incident  Joanne Larner | *University of Hertfordshire* |

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| 11 | Downstream Hazards Associated with Mass Casualty Decontamination can be Contained or Minimised by Adoption of the PRISM Triple Protocol  Joanne Larner | *University of Hertfordshire* |
| 12 | A Novel Method Using Phycoremediation to Reduce Toxic Metals in Surface Waters  Noah Craft | *Virginia Wesleyan University* |
| 13 | Decontamination Systems for First Responders  Brian France | *TDA Research, Inc.* |
| 14 | Examining the Extent of Environmental Compliance Requirements on Mechatronic Products and their Implementation through Product Lifecycle Management  Vukica Jovanović | *Old Dominion University* |
| 15 | The Argonne SuperGel for CBRN Decontamination  Michael Kaminski | *Argonne National Laboratory* |
| 16 | Radiological Recovery Logistics Tool  Michael Kaminski | *Argonne National Laboratory* |
| 17 | Intelligence Database and Tools for Chemical Hazards – A Program to Develop Tools to Assist Soldiers in an Environment with Toxic Industrial Chemicals  Jacob Lalley | *U.S. Army Engineer Research and Development Center* |
| 18 | Decontamination through a One Health Lens  Tonya Nichols | *U.S. Environmental Protection Agency* |
| 19 | "Smart Water Ions Filtration Technology" (SWIFTTM) "Ecology Healer Filter Reactor" (EHRTM)  Michael Omary | *APD Clean Water Technologies Group* |
| 20 | Research on Low Level Hydrogen Peroxide Fumigation for Remediation of Indoor Environments  Lukas Oudejans | *U.S. Environmental Protection Agency* |
| 21 | A Stochastic Model for Evaluating Interconnected Critical Infrastructure Decontamination and Recovery​  Barrett Richter | *Battelle* |
| 22 | Physical Removal Options for Porous/Permeable Materials Contaminated with a Persistent Chemical Warfare Agent  David See | *Battelle* |
| 23 | Fate and Transport Modeling of Urban Radiological Contamination  Jonathan Shireman | *APTIM Federal Services* |
| 24 | Evaluation of Altered Environmental Conditions as a Decontamination Approach for Non-Spore-Forming Biological Agents  Michelle Sunderman | *Battelle* |
| 25 | E.coREADi: Automated Microbiological Water Analysis  Nathaniel Talley | *Luna Innovations, Inc.* |

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| 26 | Are You Properly Assessing Risk when the Call Comes in?  Scott Vogel | *American Bio Recovery Association* |
| 27  (Student) | Analyzing U.S. Coast Guard Facilities for Operational Resiliency  Owen Gibson | *U.S. Coast Guard* |
| 28  (Student) | The Effects of Contaminant-Aging on Decontamination Efficacy for Rapid Remediation of Concrete Surfaces  Katherine Hepler | *Argonne National Laboratory* |
| 29  (Student) | The Impact of Antecedent Growth Conditions and Primary Effluent Derived Test Organisms in Point-of-Use Disinfection Testing  Collin Knox Coleman | *University of North Carolina at Chapel Hill* |
| 30  (Student) | Relating Laboratory-Scale Dispersion Experiments to Full-Scale Field Data from Jack Rabbit II  Michael Pirhalla | *U.S. Environmental Protection Agency* |
| 31  (Student) | Conceptual Development and Testing of a Chitosan/Graphene Oxide (CSGO) “Bandage” to Isolate and Remove Chemical Contamination from Surfaces  Jessie Pope | *Mississippi State University* |
| 32  (Student) | Temperature Controlled Radiological Decontamination  Nicolas Santiago | *Argonne National Laboratory* |
| 33  (Student) | Personnel Decontamination: Understanding the 90% Solution  Emily Titus | *AFIT* |

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| Technology Café  Providence Room | |
| 2:45–5:30 PM | Join us in the Providence Room to view technical demonstrations to gain hands-on experience with some of the technology discussed at the conference. |
| 1 | **A GIS Application for Developing Biological Sampling Designs and Estimating Resources Necessary for Implementation**  Timothy Boe | *U.S. Environmental Protection Agency* |
| 2 | Scenario Specific Opiate Detector Selection  Evan Durnal | *MRIGlobal* |
| 3 | **Water-On-Wheels (WOW) Emergency Water Treatment System Cart**  James Goodrich | *U.S. Environmental Protection Agency* |
| 4 | Building Trust and Community Engagement in Decon, Removal, and Remediation  Brittany Kiessling, Keely Maxwell | *U.S. Environmental Protection Agency* |
| 5 | A GIS-Based Decision Support Tool for Developing Integrated Strategies for Decontamination and Waste Management Following a Wide-Area Biological or Radiological Contamination Incident  Paul Lemieux | *U.S. Environmental Protection Agency* |
| 6 | Radioactive Threat Vision via Quantitative Gamma-Ray Imaging Spectroscopy  Desmond Longford | *PHDS Co.* |
| 7 | An Open Source Quick Response System for Tracking Personnel and Resources  Jonathan Pettit | *U.S. Environmental Protection Agency* |
| 8 | **EPA’s Geospatial Tools for Managing Large Volumes of Waste**  Molly Rodgers | *Eastern Research Group, Inc.* |
| 9 | A Virtual Reality Platform for Training Personnel on Biological Surface Sampling Techniques  Lucas Blair | *RTI International* |
| 10 | The D7 Decontaminant: Results of Recent Laboratory Tests and Field Applications against Toxic Chemicals and Biological Pathogens  Mark Tucker | *Decon7 Systems, LLC* |
| 11 | An Introduction to the U.S.-EPA CompTox Chemicals Dashboard – Web-Based Access to Data for ~900,000 Chemicals  Antony Williams | *U.S. Environmental Protection Agency* |