Agricultural Sector Presenter Biographies

Kim Faulkner, PhD, MPH is an epidemiologist at the National Institute of Occupational Safety and Health (NIOSH). At NIOSH, Dr. Faulkner is leading an on-going national Pesticide Personal Protective Equipment Use Practices Surveillance and Intervention Program among agricultural pesticide handlers. This work focuses on identifying the extent to which PPE use practices among agricultural pesticide handlers are appropriate and when not appropriate, it identifies and intervenes on barriers to best PPE use practices. In that program Dr. Faulkner is working collaboratively with over 600 expert stakeholder partners. Dr. Faulkner is also actively engaged in multiple outreach efforts addressing the appropriate pesticide PPE use practices at various state farm show meetings in Pennsylvania and Washington.

Kit Galvin, M.S., is a Certified Industrial Hygienist working at the Pacific Northwest Agricultural Safety and Health (PNASH) Center, University of Washington. Ms. Galvin has 23 years experience as an industrial hygienist practicing in diverse work environments. She joined PNASH in 2003 to conduct research focused on minimizing on worker and family exposures pesticides. Her interest in personal protective equipment started in 1985, studying respirator workplace protection factors. Current studies are looking practical pesticide safety solutions. Fluorescent tracers are one key method in evaluating exposures and pesticide safety measures.

Kevin Keaney is chief of U.S. EPA's Pesticide Worker Safety Programs and the Pesticide Container / Containment Programs. He manages the national agricultural worker protection program, the national pesticide applicator certification program, and the national pesticide container / containment program. Also, he manages pesticide worker safety projects in Mexico, Central America and the Dominican Republic and implements an initiative to better prepare health care providers to recognize and manage pesticide poisonings. He has worked in a number of policy and management positions in EPA's Office of Pesticide Programs. Before working for EPA, he taught at universities in Pittsburgh and in Baltimore, directed a community action program in Virginia, and was a planner / economist for Washington's Metro subway development. He has undergraduate and graduate degrees in Economics and in English Literature, and has studied law.

Jay A. Parker, CIH, is a Physical Scientist at the National Personal Protective Technology Laboratory division of NIOSH for the Test and Evaluation Branch, working in respirator testing and certification. He holds a BS degree in biology / chemistry from the State University of NY at Binghamton and a MS degree in toxicology from St. John's University in NY. He has worked continuously in the field of respiratory protection and PPE for 35 years. He is currently the past Chair of the AIHA Respiratory Protection Committee.

Dr. Anugrah Shaw, Professor, University of Maryland Eastern Shore has conducted research on protective clothing for pesticide applicators for over two decades. Her research includes development and evaluation of PPE suitable for hot climates; standardization of laboratory method for evaluating pesticide penetration; development of performance specifications. Dr. Shaw was responsible for the development of an extensive database that includes data of over 130 fabrics that were evaluated at UMES. This database has been used to develop an online system for work and protective clothing. Dr. Shaw currently serves as the technical contact for ASTM and ISO standards and performance specifications for protective clothing for pesticide applicators and as an ISO delegate for a subcommittee on protective clothing. She has presented at numerous national and international conferences, published in several refereed journals, and written a book chapter on the selection of PPE.

Stan Thomas is a Safety and Health Enforcement Manager for Oregon OSHA and has worked as an industrial hygienist for 21 years. Stan also manages OR-OSHA's Agriculture Health Program, is OR-OSHA's liaison for the Army's Umatilla Chemical Depot and assists the Department Of Homeland Security/FEMA in the Chemical Stockpile Emergency Preparedness Program (CSEPP). He served in the United States Air Force where he was responsible for the application of EPA, OSHA and Nuclear Regulatory Commission (NRC) regulations. Stan is a member of the American Industrial Hygiene Association (AIHA), sits as the Vice Chair of the association's Clandestine Drug Lab Working Group and is an active member of the association's Confined Space Committee.

James P. Zeigler, Ph.D. (physical and organic chemistry), currently with J. P. Zeigler Co., LLC, worked for the past 32 years for DuPont on industrial fibers. For the past 18 years he was the principal investigator for chemical protective clothing and responsible for applications support, advising on selection, care, and maintenance of protective clothing.

Healthcare Sector Presenter Biographies

Howard J. Cohen, Ph.D., M.P.H., CIH, is professor emeritus (formerly professor and chair of the Occupational Safety and Health Department) at the university of New Haven. He is an associate (adjunct) professor at Yale University's Department of Occupational and Environmental Medicine. He formerly was the manager of industrial hygiene at the Olin Corporation and editor in chief of the *American Industrial Hygiene Association Journal*. He is certified in the comprehensive practice of industrial hygiene by the American Board of Industrial Hygiene. Dr. Cohen is the former chair of the American National Standards Institute Z88.2 committee on respiratory protection and a current member of the editorial board of the *Journal of Occupational and Environmental Hygiene*. He is the past chair of the American Industrial Hygiene Association's (AIHA's) respiratory protection committee, a past president of the Connecticut River Valley Chapter of the AIHA, and a past officer and treasurer of the American Board of Industrial Hygiene. Dr. Cohen served on the Institute of Medicine (IOM) Committee on Personal Protective Equipment for Healthcare Workers During an Influenza Pandemic and on the IOM Standing Committee on Personal Protective Equipment for Workplace Safety and Health. He is currently working as a consultant to the Veterans Administration's North Florida/South Georgia Center for Occupational Safety and Infectious Disease (on the Advisory Board and assisting on an upcoming clinical study of influenza). Dr. Cohen is also a consultant to a pharmaceutical company that has developed the first antiviral N95 surgical respirator to be certified by the Food and Drug Administration (FDA) and National Institute for Occupational Safety and Health (NIOSH). He is a graduate of Boston University, where he received a B.A. in biology. Dr. Cohen received his M.P.H and Ph.D. in industrial health from the University of Michigan.

William H. Kojola, M.S., is the industrial hygienist for the American Federation of Labor and Congress of Industrial Organizations' (AFL-CIO's) Department of Occupational Health and Safety. His experience in health and safety spans more than 30 years. During that time, Mr. Kojola has been the director of the Occupational Safety and Health Division of the Laborers Health and Safety Fund of North America, an occupational safety and health specialist for the International Brotherhood of Boiler makers, and director of safety and health for the United Cement, Lime, Gypsum and Allied Workers International Union. Prior for this, he was a health research scientist at the University of Illinois School of Public Health, studying the human health effects of air and water pollutants. With the AFL-CIO, Mr. Kojola is responsible for developing

strategies for securing new safety and health protections through federal and state regulations, coordinating with affiliates on and leading a unified labor response to proposed Occupational Safety and Health Administration (OSHA) regulations, and representing the AFL-CIO before government regulatory agencies, on federal advisory committees, and in consensus standard-setting efforts. He also works with affiliate unions to address emerging workplace hazards and issues. Mr. Kojola holds a B.S. in biology and an M.S. in genetics from the University of Minnesota, and studied toxicology and industrial hygiene at the University of Illinois School of Public Health.

Barbara Sattler, RN, DrPH, FAAN, is the Director of the Environmental Health Education Center at the University of Maryland School of Nursing where she is an Associate Professor. The Environmental Health Education Center, a multi-disciplinary center in Baltimore, is engaged in training, education, and research related to environmental health. Dr. Sattler is the principal investigator/director on several projects including an EPA-funded project on community exposures to hazardous waste sites, a Beldon Fund-supported grant on environmental health advocacy, a state grant to develop mediation and alternative dispute resolution skills for public health professionals on environmental health issues, a federal Health Resources Service Administration grant for graduate education on environmental health for nurses, and a grant for statewide strategic planning for asthma. Dr. Sattler directs the first Environmental Health Nursing graduate program in the country and directs a national writing program for nurses on environmental health issues.

Dr Sattler recently received a generous grant from local foundations to help Maryland hospitals enhance their environmental stewardship. This project involves collaboration between the Maryland Hospital Association, the Maryland Department of the Environment, the Maryland Nurses Association and two national initiatives: Hospitals for a Healthy Environment and the Health Care Without Harm Campaign.

Dr. Sattler has directed an Environmental Justice grant from the National Institute of Environmental Health Science and has served on federal advisory committees to the EPA's Office of Child Health Protection and the Office of Drinking Water. Dr. Sattler is a Registered Nurse with both a Masters and Doctorate in Public Health from Johns Hopkins University School of Public Health. She is a Fellow in the American Academy of Nurses, writes a nationally syndicated column for nurses on environmental health issues and is the co-author of *Environmental Health and Nursing*.

Ron Shaffer, Ph.D., is the Chief of the Research Branch at the National Personal Protective Technology Laboratory (NPPTL), a division of the CDC's National Institute for Occupational Safety and Health (NIOSH). He is responsible for the management of a diverse laboratory of 25+ scientific and administrative staff conducting research on personal protective equipment (PPE) including respirators, protective clothing, and human factors. Dr. Shaffer's research interests are focused on the performance of PPE against emerging health hazards (including engineered nanomaterials and infectious aerosols). Dr. Shaffer received a Ph.D. in Chemistry in 1995 from Ohio University and joined NIOSH in 2003. Dr. Shaffer is author or co-author of 52 publications in peer-reviewed journals and has been issued 7 U.S. patents.

Mining Sector Presenter Biographies

Edward Fries is the Supervisory Team Leader of the Surveillance, Communications and Scientific Support Team at the National Personal Protective Technology Laboratory in

Pittsburgh, Pennsylvania. In this position he is responsible for managing a diverse group of 11 employees with a focused attention to provide lab wide strategic, operational quality of science support. Ed joined the U. S. Bureau of Mines (now NIOSH) in 1976 in as an Electrical Engineer where his major research was in the development of Underground Mine Monitoring Systems and development of a hierarchical architecture for autonomous control of mining equipment. In 1990 he received his M.S. in Computer Engineering from the National Technological University. He developed host software for the Mine Emergency Response Interactive Training System (MERITS) project. This included programming miner behavioral characteristics, miner database information, mine physical layout, and communications with the client software via the network. In September of 2006 he transferred to the National Personal Protective Technology Laboratory (NPPTL) Office of the Director where he identified and developed opportunities for the healthcare and manufacturing sectors related to Personal Protective Equipment use and helped in the formulation of the strategic plans for NPPTL.

William Monaghan is a General Engineer with the National Institute for Occupational Safety and Health (NIOSH), U.S. Department of Health and Human Services (HHS). His area of education and training are in Mining and Electrical Engineering. Bill was awarded a M.S. degree in Mining Engineering from the West Virginia University and a B.S. degree in Electrical Engineering from The Pennsylvania State University. His training and knowledge include: personal protection equipment, prevention of fires and explosions, design of Tele-operated control systems, programmable logic control systems, airborne and ground penetrating RADAR systems, infrared sensing systems, design of proximity detection and warning systems, electronic sensors and signal conditioning. Bill served as a task leader on several research projects in the federal sector for the last 20 years at: the United States Bureau of Mines, Department of Energy and NIOSH. He has authored/co-authored 26 publications and holds two U.S. Patents. Shortly after receiving his Master Degree, Bill joined NIOSH's National Personal Protection Technology Laboratory, Technology Research Branch in October of 2008. At this time, he is the project officer on the research project Mine Rescue Ensembles for Underground Coal Mining and a member of the Protective Clothing and Ensembles Team.

John J. Sammarco, Ph.D, is a Senior Research Engineer with the National Institute for Occupational Safety and Health, U.S. Department of Health and Human Services. His Federal service has been devoted to mine safety research in a wide variety of areas including mining machine navigation and guidance, control systems, and sensors. His recent research areas concern system safety, hazard/risk analysis of processor-controlled mining systems, smart wireless sensors, visual performance, and solid-state lighting systems for mine applications.

Launa Mallett, Ph.D, leads the Training Research and Development Team at the NIOSH Office of Mine Safety and Health Research. She is a social scientist with degrees in anthology and sociology from the University of Kentucky. Her longstanding interest in training delivery methods has led to investigating ways virtual reality technologies can be used to teach miners about safety and health. She is leading the effort to develop the Mine Rescue and Escape Training Laboratory at NIOSH's Pittsburgh site.

Public Safety Sector Presenter Biographies

William Haskell is a Project Officer in the Policy and Standards Development Branch (PSDB) of the National Institute for Occupational Safety and Health (NIOSH) – National Personal Protective Technology Laboratory (NPPTL). Mr Haskell is a member of the Interagency Board (IAB) for Equipment Standardization and Interoperability serving as the Federal Co-Chair for the

Equipment Subgroup. He is a member of the National Fire Protection Association (NFPA) and serves on the Technical Correlating Committee for Fire and Emergency Services Protective Clothing and Equipment and NFPA Technical Committees for hazard materials, electronic safety, structural/proximity, special operations, and emergency medical service protective clothing and equipment. Mr Haskell is a member of the American Society for Testing and materials (ASTM International) F23 Protective Clothing and Equipment's Executive Committee and the E54 Homeland Security Committee. He is a member of the DHS S&T Standards Working Group and the National Institute for Justice (NIJ) CBRN Ensemble Standard – Special Technical Committee. He also represents NPPTL on the International Association of Chiefs of Police (IACP) – Homeland Security Committee. Mr. Haskell serves as the Program Coordinator for the NIOSH Public Safety Sector and the Co-Chair of the NORA Public Safety Sector Council.

Angie Shepherd is currently the Team Leader of the Protective Clothing and Ensembles Team within the Technology Research Branch of the NIOSH National Personal Protective Technology Laboratory. Ms. Shepherd is responsible for a number of protective clothing research projects related to fire and emergency service PPE. Ms. Shepherd was formerly a Quality Engineer and Process Engineer for DuPont Polyester at their Hopewell, Virginia facility. After which, she became a Senior Project Engineer in PPE Certification for Underwriters laboratories, Inc. at their Research Triangle Park, North Carolina site from 1999-2005. Ms Shepherd is a member of the National Fire Protection Technical Committees on Structural and Proximity Fire Fighting Medical Protective Clothing and Equipment, Hazardous Materials Protective Clothing and Equipment, Special Operations Protective Clothing and Equipment, and Wildland Fire Fighting Protective Clothing and Equipment. She is also the Vice-chairperson for the ASTM International F23 Committee on Protective clothing and Equipment. Ms Shepherd holds degrees from N.C. State University in Chemical Engineering and Textile Chemistry. Awards include the Pittsburgh Federal Executive Board Rookie of the Year – Gold Award (2006), ASTM International President's Leadership Award (2008) and the ASTM International Special Service Award (2010).

John E. Snawder Ph.D., D.A.B.T. is a Research Toxicologist serving as the Leader of the Biomonitoring Research Team at the NIOSH Division of Research and Technology in Cincinnati Ohio. He received his Ph.D. degree from Mississippi State University in 1990. The Biomonitoring Research Team’s present research is focused on the development of rapid, multiplexed assays for biological monitoring and the design and application of direct reading instruments and methods. Other research has focused on the investigation of inhalational and dermal exposures to first responders and remediation workers that encounter clandestine methamphetamine labs. This work has entailed development of new, rapid analytical methods, developing guidelines for proper PPE selection and development of risk assessments for exposed persons. Dr. Snawder serves on the Board of Directors of the American Board of Toxicology, is a member of the Chemical, Biological Organisms and Biotoxin Work Groups for preparation of the EPA's Standardized Analytical Methods for Use During Homeland Security Events, he is a member of the Greater Cincinnati Hazardous Materials Unit, Northern Kentucky Regional Hazardous Materials Team; he is a Deputy Director of Grant County, Kentucky Emergency Management and Assistant Chief of the Grant County, Kentucky Technical Search and Rescue Team.

Jonathan Wilby is the Department Safety Officer of the Orange County California Fire Authority and has over 14 years of expertise in developing and implementing Occupational Safety and Health Management Systems. Mr. Wilby received a Bachelors of Science in Loss Control

Management from Central Washington University and is currently writing his thesis to complete a Masters of Science in Industrial Hygiene from Montana Tech University. Mr. Wilby is a Certified Safety Professional and holds an Associate Risk Management certification. Mr. Wilby is a member of the Heat Issues Working Group, which is comprised of Southern California fire agency wildland firefighting specialists and medical directors that come together to research the effects of heat illness and PPE on firefighters.