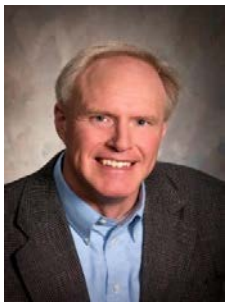
2023 Speaker Bios

	Edward J. Calabrese – Professor of Toxicology at the University of Massachusetts, School of Public Health and Health Sciences, Amherst. Dr. Calabrese is the author of over 1,000 papers in scholarly journals and more than 10 books. Dr. Calabrese was awarded the 2009 Marie Curie Prize for his body of work on hormesis. He was the recipient of the International Society for Cell Communication and Signaling-Springer award for 2010. He was awarded an Honorary Doctor of Science Degree from McMaster University in 2013. In 2014 he was awarded the Petr Beckmann Award from Doctors for Disaster Preparedness.
	CAPT (Ret.) John Cardarelli II, PhD, CHP, CIH, PE – Research Health Physicist at the National Institute for Occupational Safety and Health and Assistant Adjunct Professor at the University of Cincinnati, College of Medicine, Department of Environmental Health. He also is recently retired as a Captain from the U.S. Public Health Service. He has nearly 30 years working in various radiological fields with the Centers for Disease Control and the Environmental Protection Agency, including epidemiology, exposure assessment, risk assessment, emergency response, environmental characterization and cleanup policies, aerial and ground-based wide-area characterization, dose reconstructions and non-ionizing radiation. He produced a video documentary on the history of the linear no-threshold model [https://hps.org/hpspublications/historylnt/]. This historical journey discusses the linear no-threshold cancer risk assessment model replacing the threshold model for radiation protection purposes in the United States.
	Martin D. Chapman, PhD – President, INDOOR Biotechnologies Inc., Charlottesville, Virginia. Dr. Chapman received his PhD in Immunology in 1981 from the Royal Postgraduate Medical School, University of London, U.K. and postdoctoral fellowships at the London School of Hygiene and Tropical Medicine and at UCLA School of Medicine. Dr. Chapman was a tenured professor at the University of Virginia and founder of InBio (formerly Indoor Biotechnologies Inc.) in 1997. Dr. Chapman has over 40 years of experience on the molecular properties of allergens and their role in causing allergic diseases, such as asthma and food allergy. Dr. Chapman's team have determined the structures of important allergens from dust mites, cockroaches, mold and peanut, as well as developing state-of-the-art tests for measuring these allergens in homes, schools and workplaces. He has published over 250 peer-reviewed articles, reviews, and book chapters. Dr. Chapman has received numerous NIH grants and served on the editorial boards of allergy and immunology journals. Dr. Chapman is a Fellow of the American Academy of Allergy, Asthma and Immunology (AAAAI).

	John Mulhausen Ph.D., CIH, CSP, FAIHA, is currently Past President of AIHA, an adjunct assistant professor at the University of Minnesota, and is retired from 3M where he worked in a variety of global health and safety roles. He has authored/co-authored over 100 presentations, publications or professional development courses and is a recipient of ABIH's Lifetime Achievement Award as well as AIHA's Edward J. Baier Technical Achievement Award and Henry F. Smyth Award.
	John Howard, MD – Director of the National Institute for Occupational Safety and Health, and the Administrator of the World Trade Center Health Program in the U.S. Department of Health and Human Services. He is board-certified in internal medicine and occupational medicine. Dr. Howard earned a Doctor of Medicine from Loyola University of Chicago, a Master of Public Health from the Harvard University School of Public Health, a Doctor of Law from the University of California at Los Angeles, and a Master of Law in Administrative Law and Economic Regulation and Master of Business Administration in Healthcare Management, both from The George Washington University in Washington, D.C. He is admitted to the practice of medicine and law in the State of California and in the District of Columbia and he is a member U.S. Supreme Court bar. Dr. Howard was first appointed NIOSH Director in 2002 during the George W. Bush Administration and served in that position until 2008. In 2009, Dr. Howard worked as a consultant with the US-Afghanistan Health Initiative and in September of 2009, Dr. Howard was again appointed NIOSH Director. He was reappointed for a third six-year term in 2015 and a fourth term in 2021. Prior to his appointments as NIOSH Director and WTC Health Program Administrator, Dr. Howard served as Chief of the Division of Occupational Safety and Health in the State of California's Labor and Workforce Development Agency from 1991 through 2002. He has written numerous articles on occupational health, policy and law
	Dr. Charles (Chuck) Geraci – NIOSH Advisor on emerging technologies through BeVera Solutions, LLC. Dr. Geraci earned a B.S. in chemistry from the University of Cincinnati and a Ph.D. in chemistry from the Michigan State University. He is a Certified Industrial Hygienist and is a Fellow of the American Industrial Hygiene Association. Dr. Geraci has practiced multiple aspects of Industrial Hygiene since 1975 in both the public and private sectors, including two tours at NIOSH and a global assignment at the Procter & Gamble Company. He retired as a Distinguished Consultant from NIOSH where he served as the Associate Director for Emerging Technologies, which included the Nanotechnology and Advanced Manufacturing programs. Dr. Geraci has earned national and international recognition for his leadership in the field and for his ability to translate complex scientific issues into practical guidance. His accomplishments earned him NIOSH Distinguished Career Scientist status in 2017. He has served as a subject matter expert on various national and international panels and advisory boards including the White House OSTP Sub-Committees on Nanotechnology, Advanced Manufacturing, and Synthetic Biology. He has received the 2019 Henry Smyth, Jr. award from the AIHA, the 2018 Jeffrey Lee Lecture Award from the Foundation for Occupational Health and Safety, and the 2015 Edward J. Baier Technical Achievement Award from the AIHA.

	Michael L. Dourson, Ph.D., DABT, FATS, FSRA – President and Director of Science Toxicology Excellence For Risk Assessment (TERA). Dr. Dourson has a PhD in toxicology from the University of Cincinnati, College of Medicine, and is a board-certified toxicologist (DABT). He was Senior Advisor in the Office of the Administrator at the US EPA and a Professor in the Risk Science Center at the University of Cincinnati, College of Medicine. He has co-published more than 150 papers on risk assessment methods or chemical-specific analyses and co-authored over 100 government risk assessment documents including risk assessment guidance texts. He served on the American Board of Toxicology (President), the Society of Toxicology (President of 3 specialty sections), the Society for Risk Analysis (Secretary), and is currently the Executive Director of the Toxicology Education Foundation, a nonprofit organization with a vision to help our public understand the essentials of toxicology. He is on the editorial board of Regulatory Toxicology and Pharmacology and Chief Editor of the soon to be launched journal Environmental Science, Policy and Law. He has been awarded the Arnold J. Lehman (Society of Toxicology), the International Achievement Award by the International Society of Regulatory Toxicology and Pharmacology, and 4 bronze medals from the U.S. Environmental Protection Agency. He is a Fellow of the Academy of Toxicological Sciences (FATS) and a Fellow for the Society for Risk Analysis (FSRA).
	Richard J. Welsh, MSc DABT, Environmental Chemist and Board-Certified Toxicologist (i.e., Diplomate of the America Board of Toxicology or DABT). Mr. Welsh has over 40 years of environmental consulting experience with a specialty in the cleanup of hazardous waste sites, including regulatory driven projects under RCRA and Superfund. He has managed these projects at all phases, from the initial investigations (sampling soil and groundwater) and data evaluation, to complex cleanups (remediation). His experience focuses on human health risk assessments involving the calculation of cleanup levels for contaminants consistent with the site-specific conditions for soil, groundwater, surface water, and air. He consults regularly on contaminated properties where vapors could potentially enter buildings (from the underlying contaminated soil and groundwater). He has extensive experience involving PFAS, dioxins, PCBs, petroleum hydrocarbons (e.g., BTEX, PAHs & coal tar), metals (e.g., lead & chromium), industrial solvents (e.g., PCE), agricultural chemicals and explosives on projects throughout North America, Central-South America, Western-Central-Eastern Europe and Northern Africa. Mr. Welsh is a coauthor for a critique of the proposed (now regulatory standards) Michigan drinking water standards for PFAS entitled: “Independent Technical Review of the Health-Based Drinking Water Value Recommendation for PFAS in Michigan, January 30, 2020” (coauthored with Dr. Michael L. Dourson, TERA and Dr. Edward J. Calabrese, the University of Massachusetts).