Speaker/Panelist Bios

Elliot Gall

Dr. Elliott Gall is an associate professor at Portland State University (PSU) in the department of Mechanical and Materials Engineering. He received his B.S.E. in Environmental Engineering from the University of Florida and his Ph.D. in Civil Engineering from the University of Texas at Austin. At PSU, Dr. Gall leads the Healthy Buildings Research Laboratory (www.pdx.edu/healthy-buildings), which conducts fundamental and applied research exploring the many factors that impact our exposure to air pollution inside buildings. Research areas include characterizing indoor sources of volatile organic compounds, developing mitigation methods for reducing air pollution exposures during wildfires, and evaluation of air cleaning technologies. Dr. Gall has authored over 40 peer-reviewed journal publications on indoor and urban air pollution. He was acknowledged with the 2018 Yaglou Award from the International Society for Indoor Air Quality and Climate for his work on indoor ozone chemistry. His research at Portland State has been featured in national and local media, including The Atlantic, National Geographic, and The Seattle Times. He occasionally tweets about research and other topics @etgall.

Catherine Noakes

Cath is a chartered mechanical engineer, with a background in fluid dynamics. She gained her PhD in Computational Fluid Dynamics in 2000 from the University of Leeds, and has remained at Leeds since, becoming a Professor in the School of Civil Engineering in 2014. She leads research into ventilation, indoor air quality and infection control in the built environment using experimental and modelling-based studies. She is co-director of the EPSRC Centre for Doctoral Training in Fluid Dynamics and Deputy Director of the Leeds Institute for Fluid Dynamics. From April 2020-2022 she co-chaired the Environment and Modelling sub-group of the UK Scientific Advisory Group for Emergencies (SAGE) focusing on the science underpinning environmental transmission of COVID-19. She has also contributed to multiple working groups focusing on respiratory transmission including for WHO, the NHS, the UK and Scottish Governments, various professional bodies, the Academy of Medical Sciences and the Royal Academy of Engineering.

William Cooper

I oversee a staff of 23 in 5 Buildings and 75 acres with a total of 446,000 S.F. My department supports 2,200 students and 400 staff. I have been in Facilities management for 40 years and have certification in Project management, Facilities Management and HVAC.

I enjoy my job as there are never two days the same. During my spare time I enjoy training my dog, Zeke, a Belgian Malinois.

Sanjana Pampati

Sanjana Pampati is a health scientist at the Division of Adolescent and School Health at the U.S. Centers for Disease Control and Prevention. Trained as an epidemiologist, she has worked in various settings, including schools, health departments, government agencies, and health care systems. Her works aims to advance the evidence base on effective programs and policies that reduce infectious disease related morbidity and mortality related to COVID-19, HIV, and STIs among child and adolescent populations. She currently works on the National School COVID-19 Prevention Study, initiated by the CDC to better understand COVID-19 prevention strategies in schools.

Mark Hernandez

Dr. Mark Hernandez attained all his degrees from the University of California at Berkeley, where he also served a post-doctoral fellowship. He is a registered professional civil engineer and an expert on the characterization and control of bioaerosols – both indoors and out. A generation of his research leverages modern forensic science for wide area aerosol surveillance and the design of novel disinfection systems for the built environment. He joined the University of Colorado's engineering faculty in 1996 where he has since served as a diversity officer and authored over 110 archival publications. Dr. Hernandez holds several US patents that are currently licensed to the technology sector and serves as an expert witness in the building remediation field. He has recently served on US National Academy of Science Committees, focusing on the risk assessment of secure containment for bioterrorism research, the microbiology of the indoor environments and aerosol disease transmission in urban settings.

Chang-Yu Wu

Professor Chang-Yu Wu in the Department of Environmental Engineering Sciences at the University of Florida received his BS from Mechanical Engineering Department at National Taiwan University (1989) and PhD from the Department of Civil & Environmental Engineering at the University of Cincinnati (1996). His teaching and research interests range from air pollution control, bioaerosol, aerosol engineering, environmental nanotechnology, dust control to engineering education. He has published more than 160 refereed journal articles, given 320+ conference presentations, and delivered 80+ invited lectures. His research has resulted in 9 US patents and 4 pending applications. An active member of *American Association for Aerosol Research (AAAR)*, *Air & Waste Management Association (A&WMA)* and *Association of Environmental Engineering Sciences Professors (AEESP)*, he has received several awards recognizing his accomplishments in education, research, and service, including Fellow of AAAR.

Hannah Carter

Hannah Carter is the Project Manager for School District Environmental Health within the Center for Green Schools at the U.S. Green Building Council where she supports school district staff working to improve air quality and create healthy schools across the country through a peer learning network, Fellowship programs, in-person events. Prior to joining the Center, Hannah oversaw sustainability and

energy management programs at Parkway Public Schools in St. Louis, MO including a focus on indoor air quality improvements.

Tracy Enger

Tracy Washington Enger has worked for the U.S. Environmental Protection Agency in the Office of Air since 1994. In her current position in the Indoor Environments Division, she develops, promotes, and implements education and outreach programs that protect public health from indoor environmental pollutants. She has worked for 20 years on building capacity for school districts across the country to create greener, cleaner, heathier learning environments by implementing the EPA Indoor Air Quality Tools for Schools (IAQ TfS) Action Kit. In addition to the IAQ TfS Action Kit itself, she has been instrumental in the development of a suite of products to assist schools in taking action to address IAQ issues, including recently developed guidance documents on preventative maintenance, websites, national and regional in-person training events, and series of professional training webinars. Ms. Washington Enger received her B.S. and M.S. in Journalism from Ohio University in Athens, Ohio. After graduate school, Ms. Washington Enger joined the Peace Corps where she taught English literature and language in Sierra Leone, West Africa. Additionally, Ms Washington Enger is an alumnus of the Newfield Network international coaching program and a Georgetown Certified Facilitator.

William Bahnfleth

William Bahnfleth is a professor of Architectural Engineering at The Pennsylvania State University, University Park, PA. He is a Fellow of ASHRAE, the American Society of Mechanical Engineers, and the International Society for Indoor Air Quality and Climate. Dr. Bahnfleth holds a doctorate in Mechanical Engineering from the University of Illinois and is a Registered Professional Engineer. His primary research interest is energy efficient control of indoor air quality with a focus on control of bioaerosols with germicidal ultraviolet light. Dr. Bahnfleth is the author or co-author of more than 180 journal articles and 15 books and book chapters. He has served ASHRAE in many capacities, including 2013-14 Society President and chair of the ASHRAE Epidemic Task Force. His ASHRAE awards include the Exceptional Service Awards, the Louise and Bill Holladay Distinguished Fellow Award, the E.K. Campbell Award of Merit for teaching, and the F. Paul Anderson Award, ASHRAE's highest individual honor. His work as chair of the ASHRAE Epidemic Task Force has been recognized with a letter of appreciation from the US EPA and the ASHRAE Presidential Certificate of Honor.

Joel Solomon

Joel Solomon is the senior program manager overseeing the National Education Association's Health and Safety Program. With 3 million members and 14,000 local associations, NEA is the country's largest union. The NEA Health and Safety Program provides technical and strategic support to affiliates on issues such as COVID-19, indoor air quality, mold and other hazards, gun violence, mental health, and other topics. The Program develops policy and practical guidance, training programs, and partnerships

to promote safe, healthy, and equitable learning and working environments from pre-kindergarten through higher education.

Mandy Cohen

Mandy Cohen, MD is Aledade's Executive Vice President and the Chief Executive Officer of Aledade Care Solutions, the company's new health services unit. Dr. Cohen was most recently the Secretary of the North Carolina Department of Health and Human Services, where she led the state's COVID response and transformation of North Carolina's Medicaid program, focusing on whole-person care and the non-medical drivers of health. Dr. Cohen also served as the Chief Operating Officer and Chief of Staff at the Centers for Medicare and Medicaid Services, helping to implement the Affordable Care Act's health insurance exchanges and innovative new payment models. Dr. Cohen has been elected to the National Academy of Medicine and is an adjunct professor at the UNC Gillings School of Global Public Health. Dr. Cohen received her MD from Yale University School of Medicine and her Master's in Public Health from Harvard T.H. Chan School of Public Health. She trained in internal medicine at Massachusetts General Hospital.

Joseph Da Silva

Dr. Joseph da Silva, is an accomplished policy maker, award-winning school architect, nationally recognized trailblazing educator, author, and accomplished researcher. At the Rhode Island School Building Authority, Dr. da Silva spearheaded the publication of Rhode Island's first statewide school facilities survey, the Public Schoolhouse Assessment, published in 2013 and recently completed a statewide educational planning assessment of 300 plus public schools. Dr. da Silva is a founding board member, treasurer, and president of the National Council of School Facilities, which recently published the national "State of Our Schools" Report. He is an adjunct faculty member at Bristol Community College and Providence College. His new book titled SCHOOL(HOUSE) DESIGN AND CURRICULUM IN NINETEENTH CENTURY AMERICA: Historical and Theoretical Frameworks was just published in November 2018, with Palgrave McMillian.

Helen Jenkins

Dr. Helen Jenkins is Associate Professor at Boston University School of Public Health. She is trained in infectious disease epidemiology and her primary research area is the epidemiology of tuberculosis. Since summer 2020, she has served on the Cambridge Public Schools Health, Safety, and Facilities Working Group.

Paula Olsiewski

Dr. Olsiewski is a Contributing Scholar at the Johns Hopkins Center for Health Security. She is a pioneering leader in policy and scientific research programs in the microbiology and chemistry of indoor environments. Olsiewski leads the Center's work on indoor air quality policy to mitigate airborne disease

and global catastrophic biological risks. During her 2 decades at the Alfred P. Sloan Foundation, she led innovative and multidisciplinary programs that inspired, accelerated, and produced lasting impact. Her expertise in partnering with academic, governmental, and for-profit stakeholders fostered innovation and built research capacity through the creation of diverse stakeholder networks. Her accomplishments include the creation and direction of the microbiology of the built environment, chemistry of indoor environments, and biosecurity programs.

Julia Raifman

Julia Raifman, ScD, SM conducts research on how health and social polices shape population health and health disparities. She created and leads the COVID-19 U.S. State Policy Database (CUSP), tracking more than 200 state policies to prevent COVID-19 and reduce economic hardship during the pandemic. Her research on unemployment insurance and food insufficiency helped inform the American Rescue Plan and she is a collaborator on a study indicating that lifting state eviction freezes was associated with increased COVID-19 cases and deaths, a finding that helped uphold a federal eviction moratorium until the fall of 2021. She has also documented how structural racism shaped disparities in susceptibility to severe illness due to COVID-19. Dr. Raifman leads the Health Inequities Strategic Research area at the Boston University School of Public Health and the Diversity, Equity, Inclusion, and Justice Committee in the Health Law, Policy, & Management Department. She is committed to supporting structural changes to improve diversity, equity, inclusion, and justice in academia.

Mary Wall

Dr. Mary C. Wall is Chief of Staff and Senior Advisor on the White House COVID-19 Response Team. She joined the team at the beginning of the Biden-Harris Administration to lead the work on school reopening and a safe return to in-person instruction in K-12, early care and education, and higher education. She now serves as Chief of Staff for the Federal COVID-19 Response, coordinating across U.S. Government agencies on COVID-19 treatments, vaccines, and testing. Prior to her work at the White House, Mary served as Chief of Staff for the New York City Department of Education, leading school reopening efforts across 1,600 public schools in the largest school district in the nation. She has also worked as director of instructional strategy for Boston Public Schools, as Senior Policy Advisor on higher education at the U.S. Department of Education, and as Education Policy Advisor across K-12, early childhood, and higher education at the White House Domestic Policy Council in the Obama-Biden Administration. Mary grew up outside of Boston, and earned her bachelor's in Political Science and Spanish at Boston College, and her doctorate in Education Leadership at Harvard University.

Timothy D. Unruh

Dr. Timothy D. Unruh is the Executive Director of the National Association of Energy Service Companies (NAESCO). In this role, he manages the representation of its member Energy Service Companies. NAESCO provides advocacy for the industry at the Federal, State and Local levels, and provides for member company Accreditation. Prior to this role, Dr. Unruh was the Deputy Assistant Secretary of

Renewable Power at the Energy Efficiency and Renewable Energy (EERE) Office of the US Department of Energy (DOE). As the Deputy Assistant Secretary, Dr. Unruh managed the nation's renewable power research, while also providing oversight to the Grid Modernization Initiative. Also while at the DOE EERE, Dr. Unruh Directed the Federal Energy Management Program (FEMP). As FEMP Director, Dr. Unruh oversees the implementation of policy and actions that result in energy efficiency implementation, renewable energy adoption, and reductions in energy and water use in Federal government operations. Dr. Unruh coordinates with DOE national laboratories and other Federal agencies in this capacity. Dr. Unruh has doctorate, masters, and bachelor's degrees in electrical engineering from Wichita State University in Wichita, Kansas.

Joseph Allen

Joseph G. Allen is Director of the Healthy Buildings program and an Associate Professor at Harvard's T. H. Chan School of Public Health, and co-author of the book Healthy Buildings. Dr. Allen is a Commissioner on The Lancet Covid-19 Commissioner and Chair of The Commission's Task Force on Safe Work, Safe School, and Safe Travel.