



AIR & WASTE MANAGEMENT
ASSOCIATION
THE BALTIMORE - WASHINGTON DC CHAPTER



UNIVERSITY OF
MARYLAND

2021 Virtual Regional Air Quality Symposium: COVID-19, Environmental Justice, and Future Trends in Air Quality & Climate

Speakers



Prof. Susan Anenberg, *Environmental & Occupational Health, George Washington University*

Susan Anenberg is an Associate Professor of Environmental and Occupational Health and of Global Health at the George Washington University Milken Institute School of Public Health. She serves as the Director of the MPH concentration in Global Environmental Health. Dr. Anenberg studies the health implications of air pollution and climate change, from local to global scales. Dr. Anenberg has been a Co-Founder and Partner at Environmental Health Analytics, LLC, the Deputy Managing Director for Recommendations at the U.S. Chemical Safety Board, an environmental scientist at the U.S. Environmental Protection Agency, and a senior advisor for clean cookstove initiatives at the U.S. State Department. Her research has been published in top academic journals such as *Science*, *Nature*, and *Lancet Planetary Health*. She has also led or contributed to many science-policy reports on air quality and climate change published by U.S. EPA, World Bank, World Health Organization, United Nations Environment Programme, and others.



Prof. Sacoby Wilson, *School of Public Health, University of Maryland*

Dr. Sacoby Wilson is an Associate Professor with the Maryland Institute for Applied Environmental Health and Department of Epidemiology and Biostatistics in the University of Maryland, College Park School of Public Health. Dr. Wilson directs the Community Engagement, Environmental Justice and Health (CEEJH) laboratory. CEEJH is focused on providing technical assistance and research support to communities fighting against environmental injustice and environmental health disparities in the DC-MD-VA region and across the nation. He is editor-in-chief of *Environmental Justice* and a member of the US EPA's National Environmental Justice Advisory Council (NEJAC). He has served as a board member of the Citizen Science Association, the Community Campus Partnership for Health, and the Patuxent Riverkeeper.



Gina Mazzuca, Ph.D., Legislative Assistant, US Senate, University of Maryland alum & former American Institute of Physics Congressional Science Fellow

Gina Mazzuca received a Ph.D. in Atmospheric and Oceanic Science in 2018 from the University of Maryland, College Park. Her research focused on the relationship between mesoscale meteorology and air pollution. She was a AAAS/AIP Congressional Science Fellow from 2018 – 2019 in the office of Senator Richard J. Durbin. In 2019, she became Senator Durbin’s Legislative Assistant for environment, energy, and science issues. Some of her research experiences include participating in three NASA DISCOVER-AQ air quality field deployments and conducting research with NASA Marshall/University of Alabama-Huntsville’s REU program on heliophysics and space weather. In 2016, she interned at the White House Office of Science and Technology Policy (OSTP), in the Environment and Energy division. She received a B.S. in meteorology with a minor in physics from Millersville University of Pennsylvania in 2013.



John Kinsman, Edison Electric Institute

John Kinsman is Senior Director, Environment at the Edison Electric Institute (EEI) where he has worked on policy and regulatory aspects of air quality issues for more than 30 years. EEI is the national association of U.S. shareholder-owned electric companies plus international affiliates and industry associates worldwide. Beyond the industry’s major strides thus far in reducing air emissions and providing cleaner electricity generation, EEI supports new opportunities such as renewable energy, battery storage and transportation electrification. Mr. Kinsman currently serves in numerous Air & Waste Management Association roles, including as a member of the Board of Directors, chair of the Publications Committee and co-chair of the Power Generation and Renewable Energy Technical Coordinating Committee. He serves (since 2007) on an advisory committee to the Metropolitan Washington (D.C.) Air Quality Committee. He holds an MS in Environmental Biology from George Mason University and a BA in Environmental Science from the University of Virginia. He and his wife are avid Toastmasters and fans of the Washington Nationals baseball team and University of Virginia sports.



George S. (Tad) Aburn, Maryland Department of the Environment

Mr. Aburn is currently the Director of the Maryland Department of the Environment’s (MDE) Air & Radiation Administration (ARA). He is responsible for the implementation and management of the State’s air pollution and radiation protection programs, including air quality planning and monitoring, developing regulations, air permitting, radioactive materials licensing, radiation machine registration and certification, and inspection/enforcement programs. Mr. Aburn has served as President of the National Association of Clean Air Agencies (NACAA) and the Lead for the Ozone Transport Commission’s (OTC) Transport Team. Mr. Aburn has also chaired multiple committees for NACAA, the OTC and the Mid-Atlantic Regional Air Management Association (MARAMA). Between 2006 and 2009, Mr. Aburn was instrumental in the passage of the Maryland Healthy Air Act, the Clean Cars Act and the Greenhouse Gas Emission Reduction Act. Mr. Aburn received an Environmental Engineering Degree from Brown University in 1978.



Kelly Crawford, *DC Department of Energy and Environment*

Kelley Crawford serves as Associate Director of the DC Department of Energy & Environment, Air Quality Division and Chair of DOEE’s Equity Working Group. She is a DC native with over 10 years of experience as environmental engineer and emergency management professional, including air quality compliance, enforcement, asbestos permitting, management of environmental systems, integrated contingency planning, and remediation of environmental health hazards. She previously served as Chief for DOEE Air Quality Division’s Compliance and Enforcement Branch. She leads a team of scientists and engineers developing and ensuring compliance with air quality regulations through the lens of equity in the District of Columbia. Kelly also hosts monthly coordination calls for local universities, state and local air quality representatives, and other organizations in the region to share progress, challenges and opportunities for collecting data and conducting analysis of the air quality impacts of COVID-19. Prior to her tenure at DOEE, Mrs. Crawford served as contract environmental engineer and program manager at NASA’s Goddard Space Flight Center supporting the Environmental Management System, Oil Control Program and Air Quality Programs. Mrs. Crawford is a Certified Public Manager (CPM) and holds a M.S. in Management with a focus in Emergency Management from University of Maryland, and a B.S. in Environmental Science from Rochester Institute of Technology.



Doyeon Ahn, *Graduate Student, University of Maryland*

Doyeon Ahn is a PhD candidate at University of Maryland. Before coming to Maryland, he earned BSc in Chemistry from Hanyang University, South Korea. His doctoral research focuses on emissions of greenhouse gases and air pollutants from human activities. He recently published a paper “Fluxes of Atmospheric Greenhouse-Gases in Maryland (FLAGG-MD): Emissions of Carbon Dioxide in the Baltimore, MD-Washington, D.C. Area” in the Journal of Geophysical Research. Currently, his research is focused on quantifying the impacts of COVID-19 on emissions of CO₂, CH₄, CO, and NO_x from various source sectors at urban/regional scales.



Aubrey Germ, *Baltimore City Planning Department*

Aubrey Germ is the Climate and Resilience Planner for Baltimore’s Office of Sustainability. Her work entails developing, managing, and implementing a wide range of hazard mitigation, climate adaptation, and community resilience plans and projects. She hails from Cleveland, Ohio and holds a Master’s Degree in Urban Planning from Harvard University and a BS in Environmental Health Sciences from The University of North Carolina at Chapel Hill (Go Heels!) where she was a Morehead-Cain Scholar. Her background includes working as an environmental educator for the Chesapeake Bay Foundation and conducting independent research in sustainable development around the globe. Aubrey is passionate about improving urban and ecological resilience through thoughtful planning, equitable community engagement, and forward-thinking environmental and sustainable design. In her spare time she enjoys knitting, pottery, swimming, SCUBA diving, yoga, exploring the city, and spending time outdoors.



Bruna Attila, Baltimore City Planning Department

Bruna Attila is the Coastal Resources Planner for the Baltimore Office of Sustainability. Bruna is originally from Rio de Janeiro, Brazil, and has been living in Baltimore since 2008. She coordinates the Critical Area Management Program, which manages the sustainable development of coastal areas of Baltimore City. Bruna is also involved with the implementation of the Maritime Master Plan. She has worked extensively in the environmental field and has performed watershed assessments for projects with national and international scopes. Bruna holds a Master of Environmental Science-Water Resources Management from Towson University, and a Master of Environmental Planning and Management from Johns Hopkins University. In her free time, she enjoys experimenting with exotic cuisines and traveling.

Thanks to the team of volunteers from the AWMA Baltimore-Washington Chapter who organized this symposium:

Tim Canty, Assistant Professor in the University of Maryland College Park Atmospheric and Oceanic Sciences Department, and Director of the University of Maryland system-wide Marine Estuarine Environmental Sciences Program

Sunhee Park, Environmental Engineer/Project Manager at EA Engineering, Science, and Technology, Inc., PBC, and current Chapter Chair

Hannah Ashenafi, Branch Chief, Compliance & Enforcement Branch, Air Quality Division, District of Columbia Department of Energy and Environment, and current Chapter Vice Chair

Richard Tropp, Associate Research Professor Emeritus, Desert Research Institute

Flint Webb, P.E., Senior Project Manager, Leidos, and Chapter Past Chair

Kevin Black, Consultant, KNM Consulting

Susan Wierman, retired former Executive Director of the Mid-Atlantic Regional Air Management Association and part-time lecturer for the Johns Hopkins Engineering for Professionals on-line masters degree program

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