

Indoor Exposure to Fine PM... Workshop

speakers and bios

April 21. Indoor Exposure to Fine Particulate Matter: Health, Metrics, and Assessment

Howard Kipen, MD, MPH, is a Professor of Occupational and Environmental Health in the School of Public Health and Director, Clinical Research and Occupational Medicine at the Environmental and Occupational Health Sciences Institute at Rutgers, The State University of New Jersey. Dr. Kipen's research focuses on clinical and epidemiological studies of the health effects of ambient air pollution. He is a Governor's Appointee, Public Employee's Occupational Safety and Health Review Commission, New Jersey Department of Labor; and a Member of the Public Health Scientific Advisory Board, New Jersey Department of Environmental Protection. Dr. Kipen received his MD from the University of California, San Francisco, and holds an MPH from Columbia University.

Meredith C. McCormack, MD, MHS, is an Associate Professor of Medicine at the Johns Hopkins University School of Medicine with a joint appointment in environmental health and engineering at the Johns Hopkins Bloomberg School of Public Health. Dr. McCormack is a physician-scientist with a research focus on the effect of environmental influences on underlying obstructive lung disease—specifically air pollution, diet, and obesity influences on COPD and asthma. She has conducted environmental cohort studies to understand the effects of indoor and outdoor air pollution on children and adults with underlying respiratory disease. Her work is largely focused in Baltimore City but has included rural areas of Washington State, Appalachia, and the Caribbean. Dr. McCormack earned an MD from Jefferson Medical College of Thomas Jefferson University and an MHS from the Johns Hopkins Bloomberg School of Public Health.

Stephanie Holm, MD, MPH, is the Co-Director of the Western States Pediatric Environmental Health Specialty Unit (WSPEHSU) at the University of California, San Francisco. Dr. Holm is Board Certified in both pediatrics and occupational/environmental medicine. At the WSPEHSU, she has been heavily involved in research translation and education regarding the health effects of wildfire smoke exposure for children. She was the Principal Investigator on the AQUA study, which measured particulate matter levels in children's home environments in order to correlate these with features and behaviors of the household and its occupants. She is currently leading a pilot randomized controlled trial to assess the impact of improved cooking ventilation in the homes of children with asthma. Dr. Holm earned an MD from the University of Pittsburgh; an MPH in epidemiology from University of California, Berkeley; and is currently pursuing a PhD in epidemiology while continuing her research activities.

William Nazaroff, PhD, is the Daniel Tellep Distinguished Professor Emeritus of Engineering in the Department of Civil and Environmental Engineering at the University of California, Berkeley. Dr. Nazaroff's research focused on the physics and chemistry of air pollutants in proximity to people, especially in indoor environments. His research involved the domain of exposure science, stressing the development and application of methods to better understand mechanistically the relationship between emission sources and human exposure to pollutants. Prior to his retirement, he served as the Editor-in-Chief of *Indoor Air*; was the president of the Academy of Fellows in the International Society of Indoor Air Quality and Climate; and also served as president of the American Association for Aerosol Research. Dr. Nazaroff received his master's in electrical engineering and computer science from the University of California, Berkeley, and holds a PhD in environmental engineering science from the California Institute of Technology.

Kirsten Koehler, PhD, is an Associate Professor of Environmental Health and Engineering in the Bloomberg School of Public Health at Johns Hopkins University. Dr. Koehler's research seeks to improve exposure assessment methods to inform occupational and public health policy using direct-reading instrumentation to improve spatiotemporal exposure assessment. She is also developing novel aerosol samplers to improve the measurement of exposure to aerosolized particles and their related health effects. Her current research focuses on air pollution exposure assessments considering ambient, in-home, and personal exposures for observational and epidemiologic studies. Dr. Koehler is also the Principal Investigator on a study exploring the indoor exposure to traffic related air pollution. She earned an MS and PhD from Colorado State University.

Dusan Licina, PhD, is an Assistant Professor of Indoor Environmental Quality at the School for Architecture, Civil, and Environmental Engineering at the Swiss Federal Institute of Technology Lausanne (EPFL) in Switzerland and Director of their Human-Oriented Built Environment Lab. Before joining the EPFL, he was a postdoctoral scholar at University of California Berkeley, and he also served as the director on the Standard Development team at International WELL Building Institute in New York. Dr. Licina's specializes in air quality engineering, focusing on understanding of concentrations, dynamics and fates of air pollutants within buildings, and development and application of methods to quantitatively describe relationships between air pollution sources and consequent human exposures. His research interests also encompass optimization of building ventilation systems. Dr. Licina earned an MS in Mechanical Engineering from the University of Belgrade, Serbia and completed a joint Doctorate degree from the National University of Singapore and the Technical University of Denmark.