



CEE Seminar Speaker **JAMES J. SCHAUER**

Peterson-Radar-Hawnn Professor of Civil and Environmental Engineering
William C. Boyle Professor of Environmental Engineering
Director, Wisconsin State Laboratory of Hygiene
University of Wisconsin-Madison

APRIL 18TH, 2025 11:00 A.M. - 12:00 P.M. IN WCH 205/206

GLOBAL ENGAGEMENT ON AIR POLLUTION FOR SCIENCE DIPLOMACY

The United States has a long history of developing programs in science diplomacy and the use of air quality issues as a mechanism for multinational engagement. Recent shifts in the United States' priorities and policies have significantly reduced efforts targeted at science diplomacy, which have implications for global engagement and air quality around the world. The seminar will summarize background on United States science diplomacy and how associated binational and multinational air quality programs have advanced science diplomacy. Prof. Schauer will also discuss his engagement in air quality programs that have advanced science diplomacy over the past 20 years and his past efforts as the US State Department Science Envoy for Air Quality. The seminar will focus on the application of air quality research methods that were implemented in air quality studies targeted at advancing science diplomacy. He will also discuss the expected impact of reduced United States efforts in science diplomacy on air quality around the world and the potential realignment of international development to address air quality challenges around the world.

BIOGRAPHY

Prof. James J. Schauer is a Professor in the College of Engineering at the University of Wisconsin-Madison and serves as the Director and the Executive Officer of the Wisconsin State Laboratory of Hygiene, which is the public health laboratory for the State of Wisconsin and operates as part of the University of Wisconsin-Madison. Prof. Schauer is honored as the Peterson-Rader-Hawn Professor of Civil and Environmental Engineering and as the William C. Boyle Professor of Environmental Engineering at the University of Wisconsin-Madison. He has co-authored over 450 peer-reviewed scientific publications. Prof. Schauer's research focusses on the development and application of measurement techniques to understand the sources and impacts of air pollution. Schauer's research has contributed to numerous efforts across the United States and around the world to develop control strategies to mitigate air pollution and to identify how the control of air pollution sources can reduce the impacts of air pollution on human health. He serves as the principal investigator (PI) for the US National Atmospheric Deposition Program (NADP) and was appointed by the United States Department of State as the Science Envoy for Air Quality in 2018.