Uses of the TRI Risk Screening Indicators (RSEI) Model
Wednesday, 1:00-2:10 p.m.
Grand Ballroom

Wayne Davis, Moderator

Wayne Davis is an environmental scientist with nearly 30 years of experience for EPA. He is currently working in the Toxics Release Inventory Program Division of the Office of Chemical Safety and Pollution. Mr. Davis manages EPA's Risk-Screening Environmental Indicators project and also supports integrating environmental information from EPA's Toxics Release Inventory with EPA's Discharge Monitoring Report data for improved knowledge of toxic chemical releases and discharges to our waters. He has authored numerous EPA reports and scientific journal articles on topics such as biological indicators, coral reef assessments and Clean Water Act implementation. Mr. Davis attended The Ohio State University and earned a Master of Science Degree in Environmental Biology in 1983.

Lynn Blake-Hedges, Presenter

For the past 26 years, Ms. Blake-Hedges has been a senior Economist with the Office of Pollution Prevention and Toxics (OPPT). Her work has primarily focused on regulatory support for existing chemicals including development of chemical market studies, regulatory cost-benefit and economic impact analyses, and other analyses related to chemical regulation. Her particular interests are in benefits analysis, particularly estimating ecological benefits. For over 10 years, she was the technical lead on the Risk Screening Environmental Indicators (RSEI) model with responsibility for all aspects of model development, production, and distribution. During her tenure as the lead on RSEI, the model underwent numerous updates including the integration of the USEPA OAR's AERMOD atmospheric air dispersion model, use of updated receiving water body data, and public release of RSEI geographic microdata. While currently not actively assigned to the RSEI model, she maintains a personal interest in its continued development and use.

James Boyce, Presenter

James K. Boyce is professor of economics at the University of Massachusetts Amherst, where he co-directs the Corporate Toxics Information Project at the Political Economy Research Institute. He received his BA from Yale University and his PhD from Oxford University. His latest book, *Economics, the Environment and Our Common Wealth,* was an American Library Association Choice Outstanding Academic Book for 2013. His co-scholarly publications using TRI/RSEI data include 'Measuring Environmental Inequality,' *Ecological Economics* (2016); 'Regional Variation in Environmental Quality: Industrial Air Toxics Exposure in U.S. Cities,' *Ecological Economics* (2014); 'Clearing

the Air: Incorporating Air Quality and Environmental Justice into Climate Policy,' *Climatic Change* (2013); 'Is Environmental Justice Good for White Folks?' *Social Science Quarterly* (2013); and 'Measuring Corporate Environmental Justice Performance,' *Corporate Social Responsibility and Environmental Management* (2011).

Mary Collins, Presenter

Broadly, I am interested in the interdependence of social and ecological systems, particularly related to issues of equity and justice in the context of human health. Current projects include: temporal aspects of industrial facilities and their impact on environmental justice communities; and disproportionality in industrial pollution production over time. The vast majority of my work relies on computational social science methods. Currently, I am an Assistant Professor in the Department of Environmental Studies at the State University of New York's College of Environmental Science and Forestry (SUNY-ESF) in Syracuse, New York. At SUNY-ESF I am also affiliated with the College's Environmental Health Program—an interdisciplinary environmental science initiative. I hold a PhD in Environmental Science and Management from the University of California, Santa Barbara (2012), an MS in Applied Sociology from the University of Central Florida (2008) and a BS in Sociology and Research Methods from the University of Wisconsin—Madison (2000).

Raid Amin, Presenter

Raid Amin, Distinguished University Professor of Statistics, Department of Mathematics and Statistics, University of West Florida. He has published more than fifty peer reviewed journal articles in a variety of applications, ranging from control chart methodology to shark attack clustering, and also focusing on environmental projects and on identifying geographical hotspots for pediatric cancers. He has a passion for statistics education, and he uses modern platforms for delivering lectures to distance students and to local face to face students.

Education:

- B.S. Statistics, Baghdad University (1978)
- M.S. Statistics, Virginia Tech (1983),
- Ph.D. Statistics, Virginia Tech (1987)