Understanding the New Normal: Fires and U.S. Air Quality

Professor Sonia Kreidenweis
Colorado State University

Monday, September 10, 2018
1:00-2:00PM
Physics Auditorium
(TA3-Building 0215)

Sonia M. Kreidenweis joined CSU in 1991 to initiate a new program in Atmospheric Chemistry in the Department of Atmospheric Science that has since grown to five faculty members. Her primary research theme is the study of the physics, chemistry, and optics of atmospheric particulate matter, and in particular, the nucleation and growth of liquid water and ice by atmospheric aerosols. With the Visibility Group of the National Park Service, she participated in the design and execution of a number of special studies aimed at improved understanding of the links between particle size, composition, water uptake, and light extinction. She has also worked extensively in the study of emissions from open biomass burning, and their impacts on warm and cold clouds. She has served on several NAS/NRC Committees, most recently the Decadal Survey Panel on Climate Variability and Change: Seasonal to Centennial. She is an author or coauthor of more than 200 peer-reviewed publications, and has an H-Index of 60 with over 10,000 citations. She is Fellow of AMA and AAAR and Associate Dean who is working with LANL on the REACT partnership.