

US EPA ARCHIVE DOCUMENT

EPA STAR-OTAQ Transportation Emissions Research Forum

National Vehicle & Fuel Emissions Laboratory in Ann Arbor, Michigan
Webinar link: <https://epa.connectsolutions.com/STAR-OTAQ-March2014>

All times EST

Tuesday March 4, 2014

- 1:00 pm **Bill Charmley**, Director, Assessment and Standards Division, EPA Office of Transportation and Air Quality
Welcome
- 1:20 pm **Jesse Kroll**, Massachusetts Institute of Technology
Emissions of Gas-Phase, Low-Volatility Organic Compounds (LVOCs) from Mobile Sources
- 1:55 pm **Bob Giannelli**, US EPA
PM Research Activities at U.S. EPA's NVFEL
- 2:20 pm **Jamie Schauer and Ben de Foy**, University of Wisconsin-Madison and Saint Louis University
Improvements in Emissions Inventories using Semi-Continuous Monitoring Data and Concentrations Field Analysis
- 2:45 pm **Allen Robinson**, Carnegie Mellon University
Improving Chemical Transport Model Predictions of Organic Aerosol: Measurement and Simulation of Semivolatile Organic Emissions from Mobile and Non-Mobile Sources
- 3:15 pm **Break**
- 3:40 pm **Christopher Cappa**, University of California, Davis
Characterization of Particulate Emissions from Ships from In Situ Measurements
- 4:05 pm **Chris Laroo**, US EPA
Light-Duty Tier III PM Test Procedure Changes and Future Measurement Challenges
- 4:30 pm **Robert Harley**, University of California, Berkeley
Evaluation of Mobile Source Emissions and Trends Using Detailed Chemical and Physical Measurements
- 4:55 pm **Tami Bond**, University of Illinois at Urbana-Champaign
Linking Regional Aerosol Emission Changes with Multiple Impact Measures through Direct and Cloud-Related Forcing Estimates

Wednesday, March 5, 2014

- 9:00 am **Dan Costa**, National Program Director, Air, Climate, & Energy Research Program, EPA Office of Research and Development
EPA Air, Climate, & Energy Research
- 9:20 am **Christopher Frey**, North Carolina State University (via web)
Framework for Context-Sensitive Spatially- and Temporally-Resolved Onroad Mobile Source Emissions Inventories
- 9:45 am **Rich Baldauf**, US EPA
Transportation Research in EPA's Air, Climate, & Energy and Sustainable and Health Communities Research Programs
- 10:15 am **Break**
- 10:40 am **K. Max Zhang**, Cornell University
Quantifying the Effects of the Mixing Process in Fabricated Dilution Systems on Particulate Emission Measurements via an Integrated Experimental and Modeling Approach
- 11:05 am **Lab Tour**
- 12:05 pm **Lunch**
- 12:50 pm **Gunnar Schade**, Texas A & M University
Improving Emission Inventories Using Direct Flux Measurements and Modeling
- 1:15pm **Tami Bond and Yanfeng Ouyang**, University of Illinois at Urbana-Champaign
Global-to-Urban Models for Minimizing Air Quality and Climate Impacts of Freight Choice
- 1:40pm **Ed Nam and Darrell Sonntag**, US EPA
MOVES Update
- 2:05 pm **Jesse Kroll**, Massachusetts Institute of Technology
Investigating the Effects of Atmospheric Aging on the Radiative Properties and Climate Impacts of Black Carbon Aerosol
- 2:30 pm **Jamie Schauer**, University of Wisconsin-Madison
Development of a Quantitative Accounting Framework for Black Carbon and Brown Carbon from Emissions Inventory to Impacts
- 2:55 pm **Rich Cook**, US EPA, Office of Transportation and Air Quality
Concluding Remarks