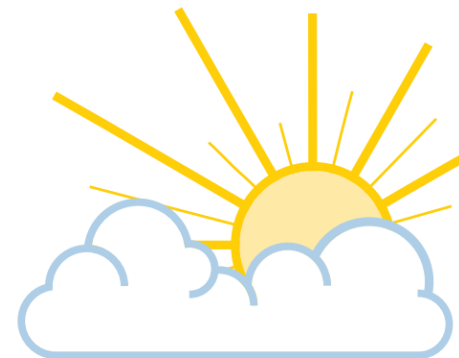


Air Quality: Science for Solutions 2

Weber State University

Union Building, Ballroom C

Ogden, Utah



Conference Agenda

March 29, 2018

Time	Presenter	Presentation Title
10:30 AM	Alan Matheson	Executive Director, Utah Department of Environmental Quality. Introductory Remarks
10:50	Logan Mitchell	NOx Emissions from Switch Yard Locomotives Observed with the TRAX Air Quality Platform
11:10	Daniel Mendoza	Spatial Differences in Fine Particulate Matter Exposure across the Salt Lake School District: Case Study Dust Storm of December 20th, 2017
11:30	Yi Rao	In-Situ Interfacial Analysis of Aerosols with Nonlinear Optical Scattering
11:50	Pascal Goffin	AQ&U: An instrument to measure, understand and reason about PM2.5 exposure in the Salt Lake Valley
12:10 PM	Lunch and Poster Session I	
1:40	Marc Mansfield	Emissions of organic compounds from produced water ponds in the Uinta Basin, Utah and the Upper Green River Basin, Wyoming
2:00	Trang Tran	Investigating observational (surface and vertical profile) nudging impacts on WRF performance in predicting cloudiness in Uintah Basin – case study Jan 31- Feb 4, 2013
2:20	Derek Mallia	Impacts of a shrinking Great Salt Lake on future air quality along the Wasatch Front
2:40	Break and Poster Session II	
3:20	Ian Hammond	Wintertime Ambient Ammonia Concentrations in Northern Utah's Urban Valleys
3:40	Bruce Bugbee	Quantifying atmospheric mixing during inversion using CO2 as a tracer gas
4:00	Michael Lefevre	Adverse Effects of Low Level Ambient Particulate Air Pollution on Pulmonary Function, Pulmonary and Systemic Inflammation: Lack of Protective Effect of an Antioxidant and Anti-Inflammatory Dietary Supplement in a Randomized Control Trial
4:20	Ed Stafford	Empower the 'Inconvenient Youth' via the Utah High School Clean Air Poster Contest
4:40 PM	Adjourn Conference	

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Poster Session



Danielle Babbel	Indoor air quality and filter weight change
Nitish Bhardwaj	Use of GC-MS Organic Aerosol Monitor for In-field Detection of Particulate Matter
Emily Burrell	Computational and Experimental Study of the Kinetics and Thermodynamics of New Particle Formation
Robert Chaney	Perceived Risk of Commuter Air Pollution Exposure
Braden Cluster	The Intermountain West and Ozone Standards
Delbert Eatough	PMF Analysis of Winter 2016 Neil Armstrong Academy Data
Christopher Foster	Constraining Emissions of Methane in Utah's Uintah Basin with Ground-based Concentration Observations and a Time-Reversed Lagrangian Transport Model (STILT)
Ian Hammond	Ambient Ammonia and Related Amines in and Around a Mink Production Facility
Shruti Hegde	Household Indoor Particulate Matter (PM) Measurement Using a Network of Low Cost Sensors
Alexander Jacques	Monitoring Air Quality Variations in Complex Terrain using a Multi-Platform Approach
Kamaljeet Kaur	Effect of Combustion Particle Size on Pathologically Important Responses in Lung Cells
Jeffrey Kindall	Air sampling instrumentation pump performance versus altitude
Ryan Lawton	Comparing in-situ ozone and particulate measurements between the Snake River plain, Idaho, and the Uintah Basin, Utah, during high-altitude balloon flights
Seth Lyman	Distribution and Speciation of non-methane hydrocarbons in the Uinta Basin atmosphere
Kyeong Min	IoT Performance Testing of SmartAir
Jimmy Moore	Managing In-home Environments Through Sensing, Annotating, and Visualizing Air Quality Data
Trevor O'Neil	A sensitive high flow sampling system for measuring methane emission rates.
Steve Packham	Quantifying the contribution and relative impact of greenhouse gas emissions on atmospheric CO ₂
Andrew Petersen	Image Analysis as an Alternate Method to Measure Atmospheric Turbidity
Yuqin Qian	Exploring Salting-Out and Humidity on Population of Organic Molecules at Aerosol Interface by Nonlinear Second Harmonic Scattering
Tofigh Sayahi	Field and Laboratory Calibration of low-cost air quality sensors
John Sohl	The AtmoSniffer, 2018 update on the development of a portable air quality instrument
Ryan Thalman	Detection of Nitrous Acid (HONO) with an inlet-less Broadband Cavity Enhanced Absorption Spectrometer (BBCEAS)
Huy Tran	Investigations of Impacts of VOC Emissions from Produced-water Disposal Facilities on Winter Ozone Pollution in the Uintah Basin Using Modeling Source Apportionment Techniques
Dale Wagner	Exercise in Inversions: PM _{2.5} Air Pollution Effects on Pulmonary Function and Aerobic Performance
Kristy Weber	Demonstration of The Utah Division of Air Quality's New CL-51 LIDARs
Alexis Wilson	Hydrochloric acid monitor placement using trajectory modeling near the Great Salt Lake