Air Quality: Science for Solutions 4

Presenter	Title	Session Name	Session
Daniel Mendoza	Absentee and Economic Impact of Low-Level Fine Particulate and Ozone Exposure in K-12 Students	Exposure Assessment	Day 1 Session I
Molly Blakowski	The Utah Dust Database: A meta-analytic approach to evaluating human and environmental exposure risks	Exposure Assessment	Day 1 Session I
Logan Mitchell	History of Air Quality in Utah	Exposure Assessment	Day 1 Session I
Jeffrey Perala-Dewey	Organic Contaminants in Airborne Dust of the Great Salt Lake	Health Effects	Day 1 Session I
Kamaljeet Kaur	Real-time measurement of mass deposition in electrostatic based air-liquid interface in vitro exposure system using quartz crystal microbalance	Health Effects	Day 1 Session I
Adriana Payan-Medina	Using Satellite Data to Quantify the Impacts of NO2 and PM2.5 on Type 2 Diabetes	Health Effects	Day 1 Session I
John Sohl	Gas Sensor Calibration and Stability Testing	Air Quality Sensing	Day 1 Session I
Shruti Hegde	Integrated TiO2 Nano-sensor Package for Detecting Fugitive Volatile Organic Compound Emissions	Air Quality Sensing	Day 1 Session I
Ember Chadwick	Using a low-cost sensor network to understand the effect of COVID-19 on particle pollution	Air Quality Sensing	Day 1 Session I
Philip Lundrigan	Materializing the Air Quality Exposome: The Center of Excellence for Exposure Health Informatics	Health Impact Modeling	Day 1 Session II
Naomi Riches	Assessment of multi-pollutant ambient air composition on health outcomes using machine learning	Health Impact Modeling	Day 1 Session II
Marc Mansfield	Transport of Reacting Molecules Across the Air-Water Interface	Oil and Gas Emissions	Day 1 Session II
Regi Oommen	Evaluation of Locality-Specific Factors for Oil and Gas Emission Inventories in Utah	Oil and Gas Emissions	Day 1 Session II
Seth Lyman	Composition of organic compound emissions from oil and gas wells	Oil and Gas Emissions	Day 1 Session II
Bart Cubrich	Tools of The Trade: Application of the Isometric Logratio Transformation and Analysis of Similarities (ANOSIM) Statistic to VOC Emissions Composition Data from Oil and Gas Wells	Oil and Gas Chemistry	Day 1 Session II
Lexie Wilson	Comparing Various Process Simulator Model Output (Flash Gas Composition) from Oil-Producing Wells in the Uinta Basin	Oil and Gas Chemistry	Day 1 Session II
Trang Tran	Comparison of Meteorological-Chemistry Coupled Online Versus Offline Models in Simulating High Winter Ozone Episode in the Uinta Basin – Utah, USA.	Oil and Gas Chemistry	Day 1 Session II
Seth Lyman	Evidence against oxidation of elemental mercury by ozone	Air Toxics	Day 2 Session III
Delbert Eatough	A Combined PMF Back-trajectory Analysis of Sources of Dichloromethane in Bountiful	Air Toxics	Day 2 Session III
Nancy Daher	Saturation Monitoring of Air Toxics in Davis County, Utah	Air Toxics	Day 2 Session III
Cristina Jaramillo	Source Apportionment of Air Toxics in Bountiful: A focus on formaldehyde and dichloromethane emissions	Air Toxics	Day 2 Session III
Logan Mitchell	The Red Butte Canyon Ozone Network: monitoring background concentrations, canyon flows and stratospheric oxidant exchange in a pristine mountain canyon adjacent to Salt Lake City, UT	Particulate Matter & Ozone	Day 2 Session III
Randy Martin	Wasatch Front Ammonia and Chloride Observations (WaFACOs 2019)	Particulate Matter & Ozone	Day 2 Session III
Jeffery Huffman	Mapping Cache Valley Livestock Sources	Particulate Matter & Ozone	Day 2 Session III
Christopher Rapp	Utah Winter Fine Particulate Study A Statistical Overview	Particulate Matter & Ozone	Day 2 Session III
Andrew Lambert	Dust in the Great Plains and Intermountain West: A Trend Analysis	Dust	Day 2 Session IV
Naomi Riches	Elemental composition of the Great Salt Lake dried lake bed	Dust	Day 2 Session IV
John Sohl	Measuring wildfire smoke with a miniature spectrometer	Dust	Day 2 Session IV
Colby Flinders	Particulate Matter and Tornadoes	Dust 2	Day 2 Session IV
Alyssa Pope	Understanding the effect of dust events on air quality through fine particulate matter sampling in Provo, UT	Dust 2	Day 2 Session IV
Zach Lawless	Modeling Current and Future Windblown Dust Events Using CMAQ 5.3.1	Dust 2	Day 2 Session IV
Ryan Thalman	Air Quality of Sevier Valley, a Rural High Mountain Valley	Emissions Impacts	Day 2 Session IV
Kaitlyn Conrad	WildFire Emissions Impacts on Air Quality in the Wasatch Front	Emissions Impacts	Day 2 Session IV
Cristina Jaramillo	Understanding how Wood-burning's Contributions to Particulate Matter Concentrations Have Changed over Time	Emissions Impacts	Day 2 Session IV
Logan Mitchell	Covid-19 and Air Quality in Utah	Emissions Impacts	Day 2 Session IV