POSTER SESSION

Air Quality in Utah: Science for Solutions
Joint Workshop

A Framework for Assessing Modeled Air Quality Data for Use in Biomedical Research
Nicole Burnett, Peter Mo, Randy Madsen, Naresh Rajan, Ram Gouripeddi, Julio Facelli,
University of Utah

Activation of Transient Receptor Potential Ankyrin-1 by Wood Smoke Particulate Material
Cassandra E. Deering-Rice, Darien Shapiro, Erin G. Romero, Ronald W. Hughen, Alan R. Light, John M. Veranth, and Christopher A. Reilly, University of Utah

Acute Exposure to Ambient Air Pollution and Suicide Risks as Modified by Family Effects
Amanda Bakian, University of Utah

Air Toxics Assessment on the Wasatch Front
Roman Kuprov, Utah Division of Air Quality

Are Biofuels the Answer? A Preliminary Investigation of Standard Diesel versus Biodiesel Toxicity in Lung Cells
Anne Sturrock, Seiedhossein Ghiassi, Jessica Ann Baker, JoAnn Lighty, Robert Paine,
University of Utah

Bad Air Day: Play it Like UCAIR
James Hulse, Roger Altizer, Kerry Kelly, Laurie Banks, Cory Haltinner, Binoy Mohanty,
University of Utah

Defining an Air Quality Exposome: Data, Modeling, Uncertainty and Integration
Ram Gouripeddi, Nicole Burnett, Naresh Sundar Rajan, Randy Madsen, Peter Mo, Julio C. Facelli.

Development of a Low-cost Environmental Sensor with Remote Real-time Monitoring of Indoor Particulate, Temperature and Relative Humidity
Scott Collingwood, Ben Cryder, Kyeong Min, Darrah Sleeth, University of Utah

Effect of Naturally Occurring Environmental Ozone Events on Pulmonary Oxidative Stress and Inflammation in Individuals with Chronic Obstructive Pulmonary Disease (COPD)
Cheryl Pirozzi, Spencer Whipple, Anne Sturrock, Martin Villegas, Jessica Ann Baker, Greta Frey, Mary Beth Scholand, Robert Paine, University of Utah

Effect of Naturally Occurring Particulate Air Pollution Episodes on Individuals with Chronic Obstructive Pulmonary Disease (COPD)
Cheryl Pirozzi, Anne Sturrock, Patrick Carey, Spencer Whipple, Hannah Haymond, Jessica Ann Baker, Martin Villegas, Mary Beth Scholand, Richard E. Kanner, Robert Paine, University of Utah
Formaldehyde Emissions in the Uintah Basin  
Trang Tran, Seth Lyman, Utah State University

Great Salt Lake Summertime Ozone  
John Horel, University of Utah

Highly-resolved Modeling of Emissions and Concentrations of Carbon Dioxide and Criteria Pollutants in Salt Lake City, Utah  
Daniel Mendoza, John Lin, Jim Ehleringer, Logan Mitchell, Ryan Bares, Susan Bush, University of Utah, Kevin Gurney, Arizona State University

Meteorological Modeling of Wintertime Cold Air Pool Stagnation Episodes in the Uintah and Great Salt Lake Basins  
Erik Crosman, John Horel, Chris Foster, Erik Neemann, University of Utah

Numerical Modeling of Wintertime Cold Air Pools in the Uintah and Salt Lake Basins  
Chris Foster, Erik Crosman, John Horel, University of Utah  
Lance Avey, Utah Division of Air Quality

Predicting Emissions from Oil and Gas Operations in the Uinta Basin  
Jon Wilkey, Terry Ring, Jennifer Spinti, Donatella Pasqualini*, Kerry Kelly, Michael Hogue, Isabel Cristina Jaramillo, University of Utah, Donatella Pasqualini, Los Alamos National Lab

SAPRC Wintertime Chemistry  
Jaron Hanson, Brigham Young University, Marc Mansfield, Utah State University

Short-term Exposure to Air Pollution and Risk of Suicide Completion in Salt Lake County, Utah from 2000-2010  
Amanda V. Bakian, Rebekah S. Huber, Hilary Coon, Phillip Wilson, Douglas Gray, William M. McMahon, Perry F. Renshaw, University of Utah

SmartCommUte: Changing the Way We Commute to the U to Reduce Emissions and Improve Quality of Life  
Brenda Bowen, Mike Christensen, La'Shaye Ervin, Logan Frederick, Yusuf Jameel, Derek Jensen, Mallory Millington, Emily Nicolosi, Ryan Robinson, Emily Schulz, Megan Walsh, Dylana Watkins, Kangchen Yin, University of Utah

Soft Transport Policies and Ground-level Ozone: an Evaluation of the 'Clear the Air Challenge’ in Salt Lake City  
William Teague, Cathleen Zick, Ken Smith, University of Utah

Spatial and Temporal Observation of Urban Trace Gases and Pollutants from a Light Rail Vehicle Platform  
Survey to Assess Extent of Residential Wood Burning  
*Joel Karmazyn, Utah Division of Air Quality*

The Impact of Wildfire "Exceptional Events" on Air Quality along the Wasatch Front  
*John Lin, University of Utah*

Utah Valley Air Pollution in the 1980s: Implications for Pregnancy and Offspring Health Outcomes  
*Jeanette Carpenter, Jathine Wong, Heidi Hanson, Karen Curtin, Ken Smith, University of Utah*

Wasatch Front Winter Inversion Vertical Profile Air Sampling  
*John Sohl, Weber State University*