

TSRC Organic Particles in the Atmosphere: Formation, Properties, Processing, and Impact AGENDA		Telluride Intermediate School at 725 West Colorado Ave Telluride CO 81435 Organizers: Manjula Canagaratna, Aerodyne Research; Manabu Shiraiwa, UC Irvine TSRC Hosts: Mark Kozak (970-708-4426) Cindy Fusting (970-708-5069) Lodging: Sara Friedberg (970-708-0622)	
Sunday, July 28, 2024 5:00pm to 6:30pm All-Telluride Science Meet and Greet Location: Alibi - 157 S. Fir Street <i>This is a good chance to meet up with fellow participants before your meeting. A staff member will be on hand to welcome you and distribute badges.</i>			
Monday, July 29, 2024			
8:00 am - 12:00 pm	<i>FREE TIME (Breakfast available at TSRC starting at 7:15 am)</i>		
12:00 pm - 1:00 pm	LUNCH at TSRC (Joint with Gas Phase Workshop)		
PHASE, MORPHOLOGY, and PROPERTIES OF ATMOSPHERIC ORGANIC PARTICLES			
1:00 pm - 1:10 pm	Opening remarks by Manjula Canagaratna & Manabu Shiraiwa		
1:10 pm - 1:55 pm Discussion Leader: Kevin Wilson	Neil Donahue	The correspondence principle is real – volatility has a lot to do with nucleation	
1:55 pm - 2:40 pm Discussion Leader: Jose Jimenez	Qi Chen	Sources, composition, and formation pathways of OA in highly polluted urban environments	
2:40 pm - 2:50 pm	<i>BREAK</i>		
2:50 pm - 3:35 pm Discussion Leader: Alex Laskin	Celia Faiola	Multiphase chemistry of acyclic terpenes in simple and complex chemical systems	
3:35 pm - 4:20 pm Discussion Leader: Qi Zhang	Manjula Canagaratna	Insights into Monoterpene SOA composition using multiple chemical ionization and volatilization methods	
4:20 pm - 4:30 pm	<i>BREAK</i>		
4:30 pm - 5:15 pm Discussion Leader: Tran Nguyen	Jesse Kroll	Controlling RO2 chemistry in chamber SOA studies	
Tuesday, July 30, 2024			
8:00 am - 12:00 pm	<i>FREE TIME (Breakfast available at TSRC starting at 7:15 am)</i>		
12:00 am - 1:00 pm	LUNCH at TSRC (Joint with Gas Phase Workshop)		
PHASE, MORPHOLOGY, and PROPERTIES OF ATMOSPHERIC ORGANIC PARTICLES			
1:05 pm - 1:50 pm Discussion Leader: Qi Chen	James Smith	SOA formation from motor vehicle non-tailpipe emissions	
1:50 pm - 2:35 pm Discussion Leader: Jesse Kroll	Andrew Ault	The wide-ranging impacts of acidity on IEPOX SOA formation, mechanisms, and stereochemistry.	
2:35 pm - 2:45 pm	<i>BREAK</i>		
ADVANCES IN MODELLING OA IN THE ATMOSPHERE			
2:45 pm - 3:30 pm Discussion Leader: Yinon Rudich	Manabu Shiraiwa	Phase State of Secondary Organic Aerosols: Predictions and Impacts on Multiphase Processes	
3:30 pm - 4:15 pm Discussion Leader: Faye McNeill	Kevin Wilson	Kinetic Models of Multiphase Chemistry of Aerosol and Droplets	
4:15 pm - 4:25 pm	<i>BREAK</i>		
4:25 pm - 5:10 pm Discussion Leader: Neil Donahue	Ann Marie Carlton	Development of an Artificially Intelligent Radical Chemistry	
5:10 - 6:30 PM	<i>FREE TIME</i>		
6:30 pm - 7:30 pm	Telluride Science Town Talk Location: Telluride Conference Center in Mountain Village Cash Bar, Doors Open at 6:00pm Speaker: Richard Lowenberg, The Nature of Information Organizer of Telluride Arts & Sciences 2024		
Wednesday, July 31, 2024			
8:00 am - 12:40 pm	<i>FREE TIME (Breakfast available at TSRC starting at 7:15 am, Lunch on your own)</i>		

BROWN CARBON AND BIOMASS BURNING OA		
12:40 pm - 1:25 pm Discussion Leader: Celia Faiola	Shantanu Jathar	Sources of Atmospheric Organic Aerosol: From Fires to Fragrances and Fiberboard to Forests.
1:25 pm - 2:10 pm Discussion Leader: Andy Ault	Alexander Laskin	Molecular Insights into Atmospheric Brown Carbon: Optical Properties, Gas-Particle Partitioning, Viscosity Assessment
2:10 pm - 2:20 pm BREAK		
2:20 pm - 3:05 pm Discussion Leader: Rachel O'Brien	Sergey Nizkorodov	Chemical composition and photochemical aging of organic aerosols from burning of biomass and urban materials
3:05 pm - 3:50 pm Discussion Leader: Qi Chen	Qi Zhang	Unraveling Organic Aerosol Pollution in California's San Joaquin Valley: Insights into Biomass Burning Contributions and Wintertime Chemistry
3:50 pm - 4:00 pm BREAK		
4:00 pm - 4:45 pm Discussion Leader: Manjula or Manabu	Manish Shrivastava	Biomass burning Organic Aerosol: New particle formation, aqueous/cloud chemistry and aerosol-cloud interactions
4:45 - 5:30 pm Discussion Leader: Sally Ng	Yinon Rudich	Biomass burning aerosol components and their effects on oxidative potential and cytotoxicity
5:30 pm - 7:30 pm TSRC BBQ PICNIC Telluride Science tent outside Workshop facility		
Thursday, August 1, 2024		
7:15 am - 8:30 am Breakfast at TSRC		
Multiphase Chemistry in Outdoor/Indoor		
8:45 - 9:30 am Discussion Leader: Ann Marie Carlton	Sally Ng	Secondary Organic Aerosols and Brown Carbon from Biomass Burning: Linking Composition and Health Effects
9:30 am-10:15 am Discussion Leader: Shantanu Jathar	Jon Abbatt	Exploring the multiphase reactions and partitioning of indoor chemical contaminants
10:15 am - 10:30 am BREAK		
10:30 am - 11:15 am Discussion Leader: Manish Shrivastava	Faye McNeill	Simulations and measurements of multiphase organic chemistry in outdoor and indoor air
11:15 am-12:00 pm Discussion Leader: Jon Abbatt	Rachel O'Brien	Complex Organic Mixtures in Aerosol Particles and Indoor Surface Films: Sources and Reactivity
12:00 pm - 3:45 pm Free Time (LUNCH on own)		
JOINT LECTURES WITH THE GAS-PHASE WORKSHOP (Gallery Room of the new Telluride Innovation Center at 300 S. Townsend St.)		
3:45 pm - 4:30 pm Discussion Leader: Manjula or Manabu	Tim Bertram (?)	
4:30 pm - 5:15 pm Discussion Leader: Steve or Kerri	Havala Pye	Evolution of reactive organic carbon and its potential health risk in wildfire smoke
6:30 pm - 8:00 pm Pizza Party - Joint with Gas-Phase Workshop (Telluride Science tent outside Workshop facility)		
Friday, August 2, 2024		
7:15 am - 8:30 am Breakfast at TSRC		
NEW CHEMISTRY & DEVELOPMENTS		
8:45 am - 9:30 am Discussion Leader: Havala Pye	Tran Nguyen	Sulfur radical chemistry in experimental models of aerosol liquid water
9:30 am - 10:15 am Discussion Leader: Sergey Nizkorodov	Jose Jimenez	TBD
10:15 am - 10:30 am BREAK		
10:30 am - 11:00 am Parting Words, Future Chairs, etc.		
END		