

AGU 2019 Fall Meeting - CSD Presentation Schedule

** former students/guests of NOAA*

Presentation Date	Presenter Name	Title	Location	Time	Session Number	Session Title	Presentation Type
12.09.2019	Yoshida, Ryuji	Two-dimensional Hadley circulation modeling as a test for high resolution climate simulation	Moscone South- Poster Hall	8:00am-12:20pm	A11Q	High-Resolution Climate Modeling on Large Supercomputers II Posters	Poster
12.09.2019	Goren, Tom	Attributing marine stratocumulus cloud break-up timing to anthropogenic aerosols	Moscone South- Poster Hall	8:00am-12:20pm	A11L	Boundary Layer Clouds and Climate Change II Posters	Poster
12.09.2019	Chen, Yaosheng	Single-column modeling of shallow clouds for the development of the adaptive vertical grid for E3SM-FIVE	Moscone South- Poster Hall	8:00am-12:20pm	A11Q	High-Resolution Climate Modeling on Large Supercomputers II Posters	Poster
12.09.2019	Kazil, Jan	Evaluating Lagrangian Large Eddy Simulations of a Pocket of Open cells with Satellite and In-situ Data	Moscone South- Poster Hall	8:00am-12:20pm	A11L	Boundary Layer Clouds and Climate Change II Posters	Poster
12.09.2019	Asher, Lizzy	POPSnet- A spatially dense aerosol instrument network	Moscone South- Poster Hall	8:00am-12:20pm	A11S	Measurement and Understanding of Boundary layer and Surface Processes of Trace and Aerosols II Posters	Poster
12.09.2019	Bourgeois, Ilann	Global impacts of biomass burning on ozone in the remote troposphere	Moscone West 3006 L3	9:05am-9:30am	A11D	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond I	Oral
12.09.2019	Coggon, Matthew	Box Model Assessments of Biomass Burning Smoke Oxidation and the Interplay Between VOCs, NOx, and Noy	Moscone West 3006 L3	10:50am-11:05am	A12D	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond II	Oral
12.09.2019	Langford, Andrew	Ozone production in the Soberanes smoke haze: impact on air quality in the San Joaquin Valley during the California Baseline Ozone Transport Study	Moscone West- 3006, L3	11:20am-11:35am	A12D	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond II	Oral
12.09.2019	Katich, Joseph	Microphysical properties of refractory black carbon during the Atmospheric Tomography (ATom) mission	Moscone South- Poster Hall	1:40pm-6:00pm	A13S	Light-Absorbing Carbon Aerosol from Observations and Models II Posters	Poster
12.09.2019	Gao, Ru-Shan	HAPS (high altitude pseudo satellite) UAS for Atmospheric Research – Demonstration and Outlook	Moscone South Poster Hall	1:40pm-6:00pm	A13T	Use of Unmanned Systems in Atmospheric Science II Posters	Poster
12.09.2019	Decker, Zachary	Smokin' Chemistry under Moonlight. Determining Air Quality and Climate Impacts from Wildfire Smoke Requires an Investigation of how Smoke Changes Chemically, in the Dark.	Moscone South eLightning Theater II	4:00pm-6:00pm	U14C	Student Engagement to Enhance Development: Outstanding Student Presentation Award Winners	eLightning Talk/Poster
12.09.2019	Bela, Megan	Emissions, Transport, and Chemistry of Smoke from Western U.S. Wildfires	Moscone West- 3006, L3	4:30pm-4:45pm	A14D	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond IV	Oral
12.09.2019	Veres, Patrick	Gas-phase peroxy radical autoxidation dominates dimethyl sulfide oxidation in the marine atmosphere (Invited)	Moscone West 3008 L3	4:00pm-4:15pm	A14B	Atmospheric Oxidation Capacity Constraints: Laboratory Investigations, Field and Remote Sensing Observations, and Modeling Studies I	Oral
12.09.2019	<i>Lyu, Ming *</i>	Optical properties of brown carbon from combustion of boreal peat: new insights from size-exclusion chromatography	Moscone West 3006 L3	5:00pm-5:15pm	A14D	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond IV	Oral
12.10.2019	Decker, Zachary	The Study of Nitrate Radical Reactions with Catechol and Phenol by a Dark Oxidation Flow Reactor and Chamber Experiment.	Moscone West 3006 L3	9:45am-10:00am	A21C	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond V	Oral
12.10.2019	<i>Marshall, Nate *</i>	Lidar Measurements Of Sea Ice and Phytoplankton In The Arctic Ocean	Moscone West- 2003, L2	10:50am-11:05am	C22B-03	Changing Climate Components in the Artic and Antarctic Coupled Systems II	Oral
12.10.2019	Gristey, Jake	Insights into Shallow Cumulus Surface Radiative Effect Utilizing Observations, High Resolution Modeling, and 3-D Radiative Transfer Simulations	Moscone South- Poster Hall	1:40pm-6:00pm	A23T	Observing and Simulating Aerosol-Cloud-Radiation Interactions in a 3-D Atmosphere Posters	Poster
12.10.2019	Rickly, Pamela	Recent Improvements and Intercomparison of a Laser-Induced Fluorescence Instrument for Measuring SO2	Moscone South Poster Hall	1:40pm-6:00pm	A23I	Assessing Atmospheric Instrumental Uncertainty and Measurement Consistency II Posters	Poster

12.10.2019	Washenfelder, Rebecca	Brown Carbon Aerosol Absorption in Western Wildfires	Moscone South Poster Hall	1:40pm-6:00pm	A23L	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond VI Posters	Poster
12.10.2019	Rollins, Andrew	A new airborne instrument for measuring nitric oxide using single photon laser induced fluorescence	Moscone South Poster Hall	1:40pm-6:00pm	A23I	Assessing Atmospheric Instrumental Uncertainty and Measurement Consistency II Posters	Poster
12.10.2019	Granier, Claire	Analysis of Recent Anthropogenic Surface Emissions from Inventories and Inverse Modelling Estimates: Are Future Emission Scenarios Valid for the Recent Past?	Moscone South Poster Hall	1:40pm-6:00pm	A23Q	Multiscale Analysis of Emissions and observations for Air Quality Forecasting II Posters	Poster
12.10.2019	Peischl, Jeff	Methane Emissions from Landfills in the Southeastern U.S. and a Comparison with Inventories	Moscone West-3001, L3	3:25pm-3:40pm	B23D	The Global Methane Cycle I	Oral
12.10.2019	Thornberry, Troy	The NightFOX project: a small UAS system for wildfire observations (Invited)	Moscone West- 3018, L3	5:30pm-5:45pm	A24L	Use of Unmanned Systems in Atmospheric Science I	Oral
12.11.2019	Williamson, Christina	Observations of New Particle Formation in the Remote Atmosphere from NASA's Atmospheric Tomography Mission (Invited)	Moscone South- Poster Hall	8:00am-12:20pm	A31W	What's new in Atmospheric New Particle Formation? Posters	Poster
12.11.2019	Roberts, James	The Reactive Nitrogen Budget of Laboratory-Simulated Western North American Wildfires	Moscone South Poster Hall	8:00am-12:20pm	A31K	Biomass Burning and Its Impacts: Emission, Chemical Evolution, and Beyond VII Posters	Poster
12.11.2019	Banerjee, Antara (Tara)	Robust winter warming over the Northern Hemisphere continents under stratospheric sulfate geoengineering	Moscone West 2003 L2	8:24am-8:36am	GC31B	Solar Geoengineering Benefits and Risks: Modeling, Impacts, Analogues, Engineering, Ethics, and Governance I	Oral
12.11.2019	Portmann, Robert	Better quantification of the recent unexpected emission of CFC-11	Moscone South- Poster Hall	1:40pm-6:00pm	A33T	Understanding the Unexpected Increase in CFC-11 Emissions Posters	Poster
12.11.2019	Ross, Martin	Investigation of Climate Perturbations Caused by the Direct Injection of BC Into the Upper Stratosphere by Rocket Launches	Moscone South Poster Hall	1:40pm-6:00pm	GC33G	Solar Geoengineering Benefits and Risks: Modeling, Impacts, Analogues, Engineering, Ethics, and Governance II Posters	Poster
12.12.2019	Yamaguchi, Takanobu	Aerosol-Cloud Interactions in Trade Wind Cumulus Clouds and the Role of Vertical Wind shear	Moscone South-Poster Hall	8:00am-12:20pm	A41L	Boundary Layer Clouds and Turbulence, and Their Interaction with the Underlying Land or Ocean Surface III Posters	Poster
12.12.2019	McDonald, Brian	Evaluating a Fuel based Bottom-up Inventory of Oil and Natural Gas Emissions with OMI and TROPOMI Satellite Retrievals	Moscone West 3010 L3	9:00am-9:15am	A41D	Emissions of Atmospheric Pollutants from Oil, Gas, and Coal Operations I	Oral
12.12.2019	Chattopadhyay, Aparajeo (AC)	Atmospheric chemistry of maleic anhydride (C ₄ H ₂ O ₃): OH radical and Cl atom reaction rate coefficients and degradation mechanism	Moscone West 3006 L3	11:20am-11:35am	A42F	Laboratory Studies in Atmospheric Sciences II	Oral
12.12.2019	Breeden, Melissa	Diagnosing North Pacific Blocking using a Linear Inverse Model	Moscone West 3004 L3	12:05pm-12:20pm	A42D	Extratropical Large-Scale Atmospheric Circulation Variability I	Oral
12.12.2019	Assaf, Emmanuel	HOCH ₂ SCHO formation in the marine boundary layer: Rate coefficient measurement of the intramolecular Hydrogen-shift in the CH ₃ SCH ₂ OO radical	Moscone South Poster Hall	1:40pm-6:00pm	A43Q	Laboratory Studies in Atmospheric Sciences IV Posters	Poster
12.12.2019	Li, Meng	Spatial Distribution of Emissions at City Scales over the U.S.: Validations Based on the High Resolution NO ₂ Retrievals of TROPOMI	Moscone West-3004, L3	4:12pm-4:24pm	A44E-02	Novel Techniques to Infer Emissions and Concentrations of Air Pollutants and Greenhouse Gases from Satellite Data for Policy Applications I	Oral
12.12.2019	Ray, Eric	Interannual Variability of Long-Lived Trace Gas Transport from the Middle Stratosphere to the Surface	Moscone West- 3009	4:30pm-4:45pm	A44F	Recent Findings from Spaceborne Observations of the Middle Atmosphere I	Oral
12.12.2019	Warneke, Carsten	The Human Forest: Fragranced volatile chemical products enhance ozone exceedances in New York City	Moscone West- 3006, L3	4:45pm-5:00pm	A44G	The Sources and Fate of Organic Gases and Particles in the Atmosphere: Characterizations, Mechanisms, and Modeling II	Oral

12.13.2019	Brock, Charles	A Global-Scale In Situ Dataset of Aerosol Properties to Constrain Models: Results from the Atmospheric Tomography Mission (ATom)	Moscone South- Poster Hall	8:00am-12:20pm	A111	Reducing Uncertainty in Aerosol Effects on Regional and Global Climate II Posters	Poster
12.13.2019	Feingold, Graham	Quantifying biases in aerosol-cloud-radiation interactions associated with spatiotemporal averaging	Moscone South- Poster Hall	8:00am-12:20pm	A51S	Reducing Uncertainty in Aerosol Effects on Regional and Global Climate II Posters	Poster
12.13.2019	Gkatzelis, Georgios	Large Emissions from Volatile Chemical Products Related to Population Density in the US	Moscone South- Poster Hall	8:00am-12:20pm	A51T	The Sources and Fate of Organic Gases and Particles in the Atmosphere: Characterizations, Mechanisms, and Modeling III Posters	Poster
12.13.2019	Lezine, Ekaterina *	Characterizing Spatial and Temporal Sampling Uncertainty in the SWOOSH Database	Moscone South Poster Hall	8:00am-12:20pm	A51R	Stratospheric Composition Change: Its impact on Climate and Understanding of Uncertainties in Data Records II Posters	Poster
12.13.2019	Frost, Gregory	Characterization and Application of JPSS Products in Biomass Burning Studies	Moscone West- 3004, L3	8:50am-9:00am	A51F	Monitoring and Predicting the Impacts of Extreme Fire and Dust Events Using the New Generation of Satellite Trace Gas and Aerosol Observations I	Oral
12.13.2019	Maloney, Christopher	Improved ice cloud representation in the CAM/CARMA cirrus model using interactive sulfate aerosol and heterogeneous nucleation	Moscone West 3010 L3	11:50am-12:05pm	A52F	Cirrus, Chemistry, and Dynamics of the Upper Troposphere and Lower Stratosphere I	Oral
12.13.2019	Schill, Gregory	Global-scale, in-situ measurements of aerosol-bound bromine and iodine: Constraining abundance and elucidating novel sources using single-particle mass spectrometry	Moscone West- 3008, L3	11:50am-12:05pm	A52C	Advancing the Particle-Scale Understanding of Atmospheric Aerosol I	Oral
12.13.2019	Murphy, Daniel	Size-dependent aerosol chemistry in the lower stratosphere	Moscone South- Poster Hall	1:40pm-6:00pm	A53P	Cirrus, Chemistry, and Dynamics of the Upper Troposphere and Lower Stratosphere II Posters	Poster
12.13.2019	Sasser, Christiana *	Analysis of Boundary Layer Height in the Indianapolis Urban Area Using Doppler Lidar	Moscone South Poster Hall	1:40pm-6:00pm	GC53J	Renewable Energy: Wind I Posters	Poster
Session Date	Co-Convener		Location	Time	Session Number	Session Title	Session Type
12.10.2019	Schwarz, Joshua (Shuka)	<i>Co-Convener</i>	Moscone South- Poster Hall	1:40pm-6:00pm	A23I	Assessing Atmospheric Instrumental Uncertainty and Measurement Consistency	Poster
12.11.2019	Schwarz, Joshua (Shuka)	<i>Co-Convener</i>	Moscone West 3004 L3	8:00am-10:00am	A31A	Assessing Atmospheric Instrumental Uncertainty and Measurement Consistency	Oral
12.11.2019	Granier, Claire	<i>Co-Convener</i>	Moscone West 3008 L3	8:00am-10:00am	A31E & A23Q	Multiscale Analysis of Emissions and Observations for Air Quality Forecasting I	Oral
12.13.2019	Williamson, Christina	<i>Co-Convener</i>	Moscone South- Poster Hall	8:00am-12:20pm	A51H	Aerosols, Clouds, and Chemistry in Polar and Pristine Regions III	Poster
12.13.2019	Williamson, Christina	<i>Co-Convener</i>	Moscone West 3006 L3	1:40pm-3:40pm	A53A	Aerosols, Clouds, and Chemistry in Polar and Pristine Regions I	Oral
12.13.2019	Williamson, Christina	<i>Co-Convener</i>	Moscone West 3006 L3	4:00pm-6:00pm	A54A	Aerosols, Clouds, and Chemistry in Polar and Pristine Regions II	Oral
NOAA Hyperwall							
12.11.2019	McBride, Brent	Exploring the atmosphere in polarized light: the HARP CubeSat mission	Exhibition Booth	10:30am			
12.12.2019	McBride, Brent	Hyper-angular imaging polarimetry on the NASA PACE mission	Exhibition Booth	1:00pm			