

32nd Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere
California State University, Northridge, April 3, 2015

University Student Union

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Sol Center

FIRST FLOOR

- Office
- Information Desk
- Open House
- Lounge
- Library
- Library Lounge
- Library Media Services
- Student Union
- Westwood Hills

SECOND FLOOR

- Library Administration Office
- Open House
- Library Study Library
- Library Lounge
- Library Media Services
- Student Union
- Westwood Hills

THIRD FLOOR

- Plaza del Sol
- Plaza del Sol Administration Building
- Plaza del Sol Conference Center
- Plaza del Sol Library
- Plaza del Sol Lounge
- Plaza del Sol Media Services
- Plaza del Sol Student Union
- Plaza del Sol Westwood Hills

East Conference Center

FIRST FLOOR

- Auditorium
- Plaza del Sol
- Plaza del Sol Administration Building
- Plaza del Sol Conference Center
- Plaza del Sol Library
- Plaza del Sol Lounge
- Plaza del Sol Media Services
- Plaza del Sol Student Union
- Plaza del Sol Westwood Hills

SECOND FLOOR

- Auditorium
- Plaza del Sol
- Plaza del Sol Administration Building
- Plaza del Sol Conference Center
- Plaza del Sol Library
- Plaza del Sol Lounge
- Plaza del Sol Media Services
- Plaza del Sol Student Union
- Plaza del Sol Westwood Hills

Southwest Addition

FIRST FLOOR

- Auditorium
- Plaza del Sol
- Plaza del Sol Administration Building
- Plaza del Sol Conference Center
- Plaza del Sol Library
- Plaza del Sol Lounge
- Plaza del Sol Media Services
- Plaza del Sol Student Union
- Plaza del Sol Westwood Hills

SECOND FLOOR

- Auditorium
- Plaza del Sol
- Plaza del Sol Administration Building
- Plaza del Sol Conference Center
- Plaza del Sol Library
- Plaza del Sol Lounge
- Plaza del Sol Media Services
- Plaza del Sol Student Union
- Plaza del Sol Westwood Hills

Space Type

- Information
- Recreation
- Professional Services
- Public Room
- Study Room
- Library
- Exhibition
- Dining Facility
- Classroom Room

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Northridge

Poster Session 1

Morning

#	Presenter	Affiliation	Title
M1	Aregahegn, Kifle	UCI	Photosensitized SOA growth: Potential source of atmospheric HO ₂ radicals
M2	Agazaryan, Lucy	CSUN	The effects of photo-oxidation on brown carbon atmospheric aerosols
M3	Arquero, Kristine	UCI	Exploring the Effect of Organics on New Particle Formation and Growth from Methanesulfonic Acid, Amines, and Water
M4	Baroi, James	Fresno State	Concentration of Selected Organics and Reactive Oxygen Species Generation from PM _{2.5} Extracts
M5	Barraza, Kevin	Caltech	Fundamental Studies of the Hydroxyl Radical-Mediated Stepwise Oxidation of Surfactants and Peptides at the Air-Water Interface
M6	Bates, Kelvin	Caltech	Photooxidation Products of Isoprene Epoxidiol (IEPOX) and IEPOX-derived Secondary Organic Aerosol
M7	Betha, Raghu	Scripps	A Comparative Study of Gaseous and Particulate Emissions from a Marine Vessel Fueled with Diesel and Biodiesel
M8	Blair, Sandra and MacMillan, Amanda	UCI	Composition and Photochemistry of Diesel Fuel Secondary Organic Aerosol
M9	Campos-Pineda, Mixtli	UCI	Study of the Ozonolysis of 2,3-Dimethyl-2-Butene using Cavity Ring-Down Spectroscopy
M10	Chen, Haihan	UCI	Investigation of Particle Formation from Methanesulfonic Acid, Amines and Water via Laboratory Studies and ab initio Calculation
M11	Cho, Joeson	CSUF	Ab initio mechanistic study of OH reaction with Styrene
M12	Clifton, Bryce and Camacho, Aaron	CSUN	The Influence of saccharides and sodium nitrate on the refractive index of sea spray aerosols retrieved by CRDS
M13	De Haan, David	USD	Secondary organic aerosol and brown carbon formation in the sunlit aqueous phase: aldehyde photooxidation in the presence of amm
M14	Dingle, Justin	UCR	Aerosol Optical Extinction during the 2014 Summertime Front Range Air Pollution and Photochemistry (FRAPPE) Field Campaign
M15	Dodson, Leah	Caltech	Product yields of the ethyl peroxy self-reaction measured by MPIMS
M16	Du Rivage, Danielle	CSUF	Quartz Crystal Microbalance Measurements of the Hygroscopic Growth of Atmospheric Mixtures
M17	Fairhurst, Michelle	UCI	Measuring Uptake Coefficients for Amines on Dicarboxylic Acids as Models for Secondary Organic Aerosol Growth
M18	Foreman, Elizabeth	UCI	Spectroscopic and Kinetic Studies of the reaction of iodomethyl radical with molecular oxygen
M19	Garcia, Antonio	UCLA	Quantifying polycyclic aromatic hydrocarbons in particulate matter
M20	Hargrove, James	ALTI LLC	A New Portable NO ₂ Analyzer
M21	Horita, Nicole	CSUF	Identification and characterization of the chemical signature of the α , ω -dicarboxylic acids in aqueous solutions
M22	Hui, Aileen	Caltech	Kinetic Studies of Acetonylperoxy Radical Reactions
M23	Kong, Stephanie Weimeng	Harvey Mudd	Quantitative Analysis of Atmospheric Aerosol with Atomic Force Microscopy
M24	Kumar, Vinay	Fresno State	Kinetic and product yields of the gas-phase reactions of isoprene hydroperoxides with ozone
M25	LAM, PHUC	CSUF	Kinetics Study of Reaction of 1,2,3-trimethylbenzene with Hydroxyl Radical at 1-8 Torr and 298 K Using the RR/DF/MS Method
M26	Langford, Joel	UCI	Auger Electron and High Resolution Electron Energy Loss Spectroscopy Studies of Fe _x O _y Clusters Supported on HOPG
M27	Lee, Hyun Ji (Julie)	UCI	Absorption Coefficient, Molecular Composition, and Photodegradation of Different Types of Brown Carbon Aerosols
M28	Liu, Yingdi	Caltech	Rate Constants for the OH + HNO ₃ Reaction Over The Temperature Range

Poster Session 2 Afternoon

#	Presenter	Affiliation	Title
A1	Liu, Jun	UCSD	Composition and Source Apportionment of SOA in SOAS Campaign: A close study of Anthropogenic-Biogenic Interactions
A2	Lunny, Elizabeth	Caltech	Photoacoustic Oxygen A-band Measurements in Support of OCO-2
A3	Meewan, Ittipat	CSUF	Applications of Efficient Bond Function Basis Sets for the Benzene-Chloride Interaction Energies
A4	Mertens, Laura	Caltech	Upper limit on the HONO ₂ and HOONO Yield of the Reaction HO ₂ and NO with Mid-IR Pulsed Cavity-Ringdown Spectroscopy
A5	Nguyen, Tran	Caltech	Mechanism of the hydroxy radical oxidation of methacryoyl peroxyxynitrate (MPAN) and its pathway toward secondary organic aerosol
A6	Niino, Clarissa	CSUF	A Method to Assess Reactive Oxygen Species (ROS) Formation Induced by Particulate Matter (PM) Samples in Alveolar Macrophages
A7	Olea, Catalina	Fresno State	Dairy Emissions Contribute to Air Pollution in the Valley
A8	Perraud, Veronique	UCI	Importance of atmospheric reduced organosulfur compounds in a decreasing SO ₂ world
A9	Phan, Michael	CSUF	Kinetic Reaction Study of Acrolein with Hydroxyl Radical at 1–5 Torr and 298K Using the Relative Rate/Discharge Flow/Mass Spectrometry
A10	Piqueras, Pedro	UCR	Understanding Atmospheric Impacts from Wastewater Treatment Processes
A11	Rangel, Erik	Fresno State	Studies of Fragmented Flubendiamide Under Various Atmospheric Conditions
A12	Romonosky, Dian	UCI	Effective Absorption Cross Sections and Photolysis Rates of Model Anthropogenic and Biogenic Secondary Organic Aerosol
A13	Sanchez, Kevin	Scripps	Effects of organic hygroscopicity on cloud droplet concentration for clean and polluted marine air
A14	Savee, John	Sandia	Direct Observation of a Hydroperoxyalkyl Radical (QOOH)
A15	Schill, Steven	UCSD	Direct measurement of the impact of aerosol particle mixing state on the hygroscopicity of sea spray aerosol
A16	Smarte, Matthew	Caltech	Kinetics and Near-Infrared Spectroscopy of Chlorine-Substituted Peroxy Radicals
A17	Sontising, Watit	CSUF	Theoretical Study of the Formation of HONO via H-Abstraction of Hydroxy-Polycyclic Aromatic Hydrocarbons by Nitrogen Dioxide
A18	Toulson, Ben	UCI	Velocity-map imaging studies of non-conventional methanethiol photochemistry
A19	Tsai Catalina	UCLA	Surface Formation of HONO over Soil and Snow during UBWS 2012, 2014
A20	Tsering, Karma	CSUF	Roles of Ammonia in Homogeneous Nucleation Initiated by Sulfuric Acid and Oxalic Acid
A21	Vander Wall, Allison	UCI	Incorporation of 2-Ethylhexyl Nitrate into SOA from the Ozonolysis of Alpha Pinene - Examining Mechanisms of Particle Growth
A22	Verhalen, Robyn	Fresno State	Impacts of Atmospheric Oxidation on the Cellular Toxicity of Cigarette Smoke
A23	Vizenor, Ashley	UCR	Evolving hygroscopicity of secondary organic aerosol
A24	Vu, Kennedy	UCR	General Impact of the Denver Cyclone on Air Quality During the 2014 FRAPPE Campaign
A25	Wingen, Lisa	UCI	Concentrated Ambient Ultrafine Particles: Composition and Use in Health Effects Studies
A26	Wong, Clare	JPL/Caltech	Estimating Top-down CO ₂ Emissions (2011-2014) From Los Angeles by an FTS Atop Mount Wilson
A27	Yang, Divine	Fresno State	The Chemical Composition of Third-Hand
A28	Zhao Yue	UCI	Role of the Reaction of Stabilized Criegee Intermediates with Peroxy Radicals in Particle Formation and Growth in Air