|  |  |
| --- | --- |
| **Telluride Gas Phase Atmospheric Chemistry Meeting**  **AGENDA** | Telluride Elementary School at 447 W. Columbia Ave, Telluride CO 81435  Organizers: Ronald C. Cohen , University of California, Berkeley  Delphine K Farmer, Colorado State University  TSRC Host: Mark Kozak (970-708-4426) |

## Sunday, July 17, 2016

|  |  |  |
| --- | --- | --- |
| 6:00 pm – 8:00 pm |  | Meet and greet at Arroyo wine bar |

## Monday, July 18, 2016

|  |  |  |
| --- | --- | --- |
| **12:00 pm – 1:00 pm** |  | LUNCH at TSRC |
|  |  | **Cities, O3 & OH** |
| ***1:00 pm – 1:45 pm***  ***Discussion Leader:***  ***Ron Cohen*** |  | **Ally Lewis:**  What’s going on with urban emissions in Europe? |
| ***1:45 pm – 2:30 pm***  ***Discussion Leader:***  ***Ron Cohen*** | **Tzung-May Fu:**  Diagnosing chemistry-climate interactions using the interannual variability of surface ozone |
| ***2:30 pm – 3:15 pm***  ***Discussion Leader:***  ***Ron Cohen*** | **Daven Henze:**  Impacts of foreign, domestic and state-level emissions on ozone-induced crop and vegetation loses |
| ***3:15 pm-3:45 pm*** | BREAK |
| ***3:45 pm – 4:30 pm***  ***Discussion Leader:***  ***Ron Cohen*** | **Keding Lu:**  Atmospheric radical chemistry in eastern Chinese megacity regions |
| ***4:30 pm – 5:15 pm***  ***Discussion Leader:***  ***Ron Cohen*** | **Hendrik Fuchs:**  Hydroxyl radical reactivity measurements in laboratory and field experiments |
| ***5:15 pm – 6:00 pm***  ***Discussion Leader:***  ***Ron Cohen*** |  | **Phil Stevens:**  Measuring HOx radical chemistry: Can we see the forest through the trees? |

## Tuesday, July 19, 2016

|  |  |  |
| --- | --- | --- |
|  |  | **Nitrogen 1** |
| ***1:00 pm – 1:45 pm***  ***Discussion Leader:***  ***Jennifer Murphy*** |  | **Meredith Hastings:**  Using isotopes to track nitrate formation in the atmosphere |
| ***1:45 pm – 2:30 pm***  ***Discussion Leader:***  ***Jennifer Murphy*** |  | **Becky Alexander:**  Reactive nitrogen recycling and nitrate formation in the Uintah basin (Utah) in winter |
| ***2:30 pm – 3:15 pm***  ***Discussion Leader:***  ***Jennifer Murphy*** |  | **Kristie Boering:**  Trends and seasonal cycles in the isotopic composition of nitrous oxide: Chemistry and transport -- and lightning? Oh my! |
| ***3:15 pm – 3:45 pm*** |  | **Break** |
| ***3:45 pm – 4:30 pm***  ***Discussion Leader:***  ***Jennifer Murphy*** | **Jonathan Raff:**  Biogeochemical processes impacting soil-atmosphere exchange of NOy |
| ***4:30 pm – 5:15 pm***  ***Discussion Leader:***  ***Jennifer Murphy*** |  | **Steve Brown:**  Winter is dark, summer is light. Can we get the atmospheric chemistry right? |
| **6:00 pm – 7:15 pm** |  | **TSRC Town Talk** Conference Center in Mountain Village |

## Wednesday, July 20, 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **12:00 pm – 1:00 pm** | |  | | | LUNCH at TSRC | |
|  | |  | | | **Oceans & Non-isoprene Organics** | |
| ***1:00 pm – 1:45 pm***  ***Discussion Leader:***  ***Delphine Farmer*** |  | | | **Timothy Bertram:**  Air-Sea Exchange of Marine BVOC | | |
| ***1:45 pm – 2:30 pm***  ***Discussion Leader:***  ***Delphine Farmer*** |  | | | **Rainer Volkamer:**  Chemistry at interfaces in the marine atmosphere | | |
| ***2:30 pm – 3:00 pm*** |  | | | **BREAK** | | |
| ***3:00 pm – 3:45 pm***  ***Discussion Leader:***  ***John Crounse*** | **Kyung-Eun Min:**  What can we learn from in situ measurements of glyoxal? | | |
| ***3:45 pm – 4:30 pm***  ***Discussion Leader:***  ***John Crounse*** |  | | | **Delphine Farmer:**  Seasonal measurements of organic acid fluxes from a Colorado pine forest | | |
| ***4:30pam – 5:15pm***  ***Discussion Leader:***  ***John Crounse*** |  | | | **Frank Keutsch:**  Heterogeneous processing of organic hydroperoxides | | |
| **6:00 pm – 8:00 pm** | | |  | | | **PICNIC**  Telluride Elementary School @ 447 W Columbia Ave. |

## Thursday, July 21, 2016

|  |  |  |
| --- | --- | --- |
|  |  | **Nitrogen 2** |
| ***1:00 pm – 1:45 pm***  ***Discussion Leader:***  ***Steve Brown*** |  | **Jennifer Murphy:**  Oxidation of reduced nitrogen in the atmosphere |
| ***1:45 pm – 2:30 pm***  ***Discussion Leader:***  ***Steve Brown*** |  | **Jenny Fisher:**  Impacts of organic nitrates on the NOx budget: constraints from aircraft observations |
| ***2:30 pm – 3:00 pm*** |  | Break |
| ***3:00 pm – 3:45 pm***  ***Discussion Leader:***  ***Steve Brown*** | **Ron Cohen:**  Observations of chemical controls over the lifetime of NOx |
| ***3:45 pm – 4:30 pm***  ***Discussion Leader:***  ***Steve Brown*** |  | **John Crounse:**  1,2-Isoprene hydroxy nitrate: Production and loss, and why we care |
| **4:30 pm – 4:45 pm** |  | **BREAK** |
| **4:45 pm – 5:30 pm**  ***Discussion Leader:***  ***Chris Cappa*** |  | **Joint session with the aerosol workshop**  **Joel Thornton:**  Isoprene, RO2 isomerization, and SOA |
| **6:00 pm –8:00 pm** |  | **Dinner at Rustico, 114 E. Colorado Ave.** |

## Friday, July 22, 2016

|  |  |  |  |
| --- | --- | --- | --- |
| **8:00 am – 8:30 am** |  | **Breakfast at TSRC** | |
|  |  | **Isoprene** | |
| ***8:30 am – 9:15 am***  ***Discussion Leader:***  ***Delphine Farmer*** |  | **Dylan Millet:**  **Living on the edge: Impacts of isoprene at two major landscape transitions** | |
| ***9:15 am – 10:00 am***  ***Discussion Leader:***  ***Delphine Farmer*** | **Si-Wan Kim:**  **Impact of turbulence and chemistry on the covariance of isoprene and hydroxyl radical** | |
| **10:00 am – 10:15am** |  | | **BREAK** |
| **10:15am -11:00 am**  ***Discussion Leader:***  ***Delphine Farmer*** |  | **Allison Steiner:**  **Modeling gas phase chemistry in forest environments: Synthesis from multiple sites** | |
| **11:00 am – 11:15 am** | Parting Words, Future Chairs, etc. | |
|  | **END** | |
|  |  | |