

Second Circular

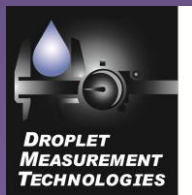
19th International Conference
on Nucleation and
Atmospheric Aerosols
(and the Nucleation Symposium)

23 - 28 June 2013
Colorado State University
Fort Collins, CO, USA

23-28 June 2013

University Center
for the Arts at
Colorado State
University

Fort Collins, CO,
USA



Registrations and Abstracts Now Open!

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Sponsors

International Union on Geophysics & Geodesy (IUGG)
International Association of Meteorology & Atmospheric Sciences
International Commission on Clouds & Precipitation (ICCP)
Committee on Nucleation & Atmospheric Aerosols (CNAA)
Colorado State University, Dept. of Atmospheric Science
Aerodyne Research Incorporated
Droplet Measurement Technologies

Conference Chairs

Paul DeMott Colorado State University Paul.DeMott@Colostate.edu	Colin O'Dowd (NUI, Galway) NUI, Galway colin.odowd@nuigalway.ie
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Recent Conference History

16th ICNAA	2004	Kyoto, Japan
17th ICNAA	2007	Galway, Ireland
18th ICNAA	2009	Prague, Czech Republic
19th ICNAA	2013	Fort Collins, USA
20 th ICNAA	2017	To be announced

Local Organizing Committee

Paul DeMott	Sonia Kreidenweis	Anthony Prenni
Yutaka Tobo	Allen Robinson	Susan van den Heever
Ezra Levin	Jeff Pierce	Lauren Ankarlo

International Advisory Committee

Paulo Artaxo	Kaarle Hämeri	Olga Popovicheva
Urs Baltensperger	Richard Leaitch	Uli Pöschl
Ken Carslaw	Ulrike Lohmann	Lynn Russell
Darius Ceburnis	Robert McGraw	Paul Wagner
Cristina Fachini	Kikuo Okuyama	Gerald Wilemski

Important Dates

2nd Circular, Abstracts Open	1 December 2012
Extended Abstract Deadline	1 February 2013
Early Bird Registration	1 April 2013
Late Registration	1 June 2013
Hotel Reservation	Varies (5/16-6/1, 2013)
Conference	23–28 June 2013

Preliminary Scientific Program

Nucleation Theory and Experiment

Studies of homogeneous, heterogeneous and ion induced nucleation including single or multicomponent system cluster formation and properties, condensation and evaporation, experimental, theoretical and computational investigations.

Tropospheric and Stratospheric Aerosols

Fundamental atmospheric aerosol processes, especially related to global warming, air quality and multi-phase chemistry. Studies of aerosol concentrations, distributions, variability and trends. Focus on composition, hygroscopicity, thermodynamics, phase change, physico-chemical and optical properties.

Cloud Drop and Ice Nucleation

Fundamental processes related to droplet and ice-crystal activation, growth, cloud condensation nuclei and ice nuclei origin, composition, spatial and temporal distributions and loadings, experimental and theoretical studies.

Aerosol-Climate Interactions

Direct and indirect effects of atmospheric aerosols on radiative forcing, hydrological cycle and climate, remote sensing and regional to global scale climate modeling of aerosol impacts and feedbacks.

CLOUD (Cosmics Leaving Outdoor Droplets) Special Session

The CLOUD project at CERN aims to study the influence of galactic cosmic rays on the Earth's climate through the media of aerosols and clouds. This session highlights results from this ongoing study and related investigations.

Abstracts accepted for Platform and Poster Presentation

Invited Plenary Speakers

David Reguera	<i>University of Barcelona</i>
Judith Wölk	<i>University of Cologne</i>
Ottmar Möhler	<i>Karlsruhe Institute of Technology</i>
Markus Petters	<i>North Carolina State University</i>
Lynn Russell	<i>University of California – San Diego</i>
Tuuka Petäjä	<i>University of Helsinki</i>
Valeria Molinero	<i>University of Utah</i>
Jasper Kirkby	<i>CERN</i>
Ken Carslaw	<i>University of Leeds</i>
Graham Feingold	<i>NOAA-ESRL Boulder</i>

Travel grants

A modest number of IUGG-supported travel grants are available for partial support of conference costs for younger scientists and those with demonstrated need. Contact Paul DeMott for an application form. Watch the website for additional travel support announcements.

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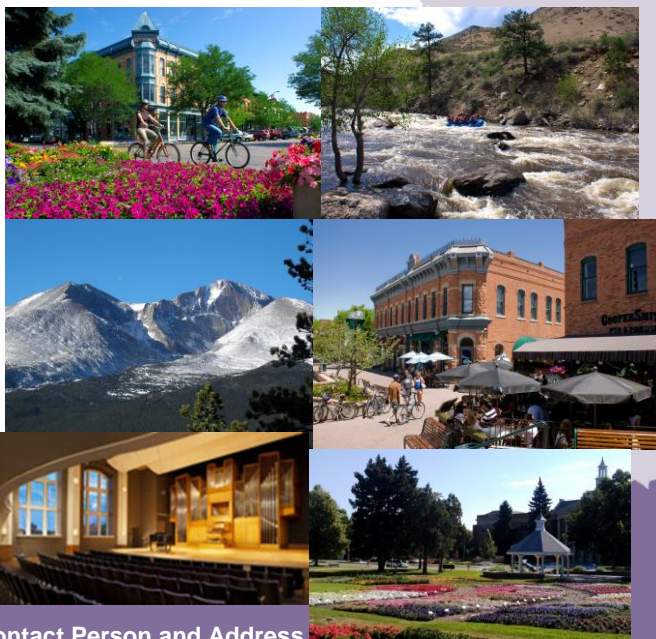
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Submission of Extended Abstract

A four page extended abstract is required for all presenters. The abstracts will be published in a hard cover proceedings volume by the American Institute of Physics. The conference website includes links to templates (MS-WORD and LaTeX files) and instructions for the specifically formatting abstracts. The deadline for submission is February 1, 2013. These abstracts will also be used in defining the final conference program.

Accommodations and Social Program

Information on reserving on-campus lodging, local hotel accommodations and social programs can be found on the conference website. Conference icebreaker, a mid-week field trip, and the conference banquet are included for all registrants and registered accompanying persons.



Contact Person and Address

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and Kip Carrico*