

Community Service

1. Workshops

Title	City	Country	Sponsor(s)	Date(s)
CCSM Workshop	Breckenridge, CO	USA	CCSM	Jun-05
Writing Powerful Journal Articles, A UCAR/NCAR Communicating Science workshop for ESL Authors	Boulder, CO	USA	NCAR	2/28/05
The Upper-Lower Atmosphere Interface	Boulder, CO	USA	NCAR	7/13/05
Solar Induced Stratospheric Effects	Durango, CO	USA	SORCE Science Meeting	9/13-16/2005
The Transfer of the Solar Signal from the Stratosphere to the Troposphere: Northern Winter	New York, New York	USA	Goddard Institute for Space Studies (GISS)	2/5/05
The Transfer of the Solar Signal from the Stratosphere to the Troposphere: Northern Winter	Greenbelt, MD	USA	NASA GSFC	4/5/05
The Transfer of the Solar Signal from the Stratosphere to the Troposphere: Northern Winter	Washington, DC,	USA	NOAA	5/5/05
The Transfer of the Solar Signal from the Stratosphere to the Troposphere: Northern Winter	Washington, DC,	USA	NRL	6/5/05
			SOLARIS (Solar Influence Intercomparison for SPARC (Stratospheric Processes and their Role in Climate))	7/25/05
Stratosphere-Troposphere Coupling	Toulouse,	France		8/30/05-9/1/05
TIMED Science Working Group workshop	Boulder, CO	USA	NCAR	8/17-19/05
MOZART Meeting	Boulder, CO	USA	NCAR	
			ACCENT – Atmospheric Composition Change the European Network of Excellence	6/20-22/2005
Workshop on the Results of the Intercomparison of OVOC Measurements	Julich,	Germany		2/1/05
Future Needs for Climate Monitoring	Boulder, CO	USA	NOAA	3/5/05
Stratospheric Temperature Trends	Reading,	UK	Reading University	9/19-20/2005
DC3 Planning Workshop	Boulder, CO	USA	TIMES	7/6-8/2005
Weather, Climate and Impacts	Boulder, CO	USA	NCAR	
Processes governing the chemical composition of the extra-tropical UTLS	Mainz,	Germany	Max-Planck Institute	5/18-20/2005
Coordinator of the NCAR Aerosol Program, which hosts the Front Range Aerosol Research Discussion	Boulder, CO	USA	NCAR	3x year

2. Colloquia / Symposia

Title	City, State	Country	Sponsor(s)	Date(s)
Solar Influence on Climate Through Mesospheric-Stratospheric Chemical and Dynamical Processes	San Francisco, CA	USA	AGU	Dec-04
The Chemistry of the Mesosphere	New Orleans, LA	USA	AGU	5-May

3. Seminars or Technical Seminars and Presentations

4.A. Scientific and Technical Presentations

	Employee	Institution	City	Country	Date
Exploring the Missin Link(s): Insights Into Unmeasured Reactive Chemical Species in Forested Environments	Apel, Eric	AGU	San Francisco, CA	USA	Dec-04
Measurement-Model Comparisons of HOx from Several Airborne Studies	Cantrell, Chris	AGU	San Francisco, CA	USA	12/13-17/2004
Peroxy Radical Measurement Techniques	Cantrell, Chris	ACCENT (EU project), University of Leeds	Leeds	UK	4/14-15/2005
Oxygen Dilution Modulation for CIMS-Based Peroxy Radical Measurements	Cantrell, Chirs	Gordon Conference	Big Sky, MT	USA	9/4-9/2005
Satellite observations of pollutant transport in the troposphere	Edwards, David	EPA/NASA/NOAA	Research Triangle Park, NC	USA	9/14-16/2004
Long range transport of tropospheric pollutants: A satellite perspective	Edwards, David	Oxford University	Oxford	UK	12/6/2004
Five years of Terra/MOPITT data: A satellite perspective on the variability of pollution in the troposphere	Edwards, David	European Geophysical Society	Vienna	Austria	4/25-29/2005
Carbon from Space: The MOPITT experience	Edwards, David	ESA/ESRIN	Frascati	Italy	6/6-8/2005
Global Change Satellite Programs at NCAR, Presentation to visiting Senate Staffers: Jonathan Black, Legislative Assistant Senate Committee on Energy and Natural Resources, and Eric Loewen, Senior Professional Staff Member Office of Senator Chuck Hagel	Edwards, David	NCAR	Boulder, CO	USA	8/5/2005
Observation Data Sets Available for Studying Long-Range Transport	Emmons, Louisa	EU/ACCENT	Norwich	England	2/23/2005
C-13 Isotopes for the Determination of Source Contributions and Emissions	Emmons, Louisa	Max-Planck Institute	Hamburg	Germany	3/1/2005
Simulation of secular trends in the middle atmosphere, 1950-2003	Garcia, Rolando	IAGA Assembly	Toulouse	France	Jul-05
HIRDLS Science Developments	Gille, John	NCAR	Pasadena, CA	USA	3/2/2005
Biosphere-Atmosphere Interactions	Guenther, Alex	GIT	Atlanta, GA	USA	4/8/2005
Global Emissions Inventories	Guenther, Alex	CNRS	Paris	France	4/20/2005
Biogenic emissions and tropospheric chemistry	Guenther, Alex	NOAA	Boulder, CO	USA	4/23/2005
Canopy chemical processing	Guenther, Alex	UMBS	Ann Arbor, MI	USA	7/27/2005
Biosphere-Atmosphere Exchange Using PTR-MS	Karl, Thomas	2nd International Conference on Applications of Proton-Transfer-Reaction Mass Spectrometry in Atmospheric Sciences	Innsbruck	Austria	Jan-05
Mobile Community Biosphere-Atmosphere Interactions Laboratory: First field deployment and demonstration	Karl, Thomas	Univ. Michigan Biological Station (UMBS)	Ann Arbor, MI	USA	Jul-05
Session on Biosphere-Atmosphere Exchange of Reactive Trace Gases	Karl, Thomas	EGU	Vienna	Austria	May-05
Analysis of the evolution of tropospheric ozone distribution and ozone budget in the 20th century	Lamarque, Jean-Francois	IGAC	Christchurch	NZ	Sep-04
Nighttime oxidation chemistry – How much in the dark are we?	Mauldin, Lee	NCAR	Boulder, CO	USA	3/28/2005
The atmospheric chemistry of alkoxy radicals: Recent studies of ethers and esters	Orlando, John	NIST	Gaithersburg, MD	USA	Jul-05
Mixing in the Extratropical Tropopause Region: Observations and Modeling	Pan, Laura	AGU	San Francisco, CA	USA	Dec-04

Mixing and Chemical Transition across the Extratropical Tropopause from AIRS Data	Pan, Laura	IAMAS 2005	Beijing	China	8/9/2005
Asian summer monsoon	Randel, William	NCAR	Boulder, CO	USA	Sep-05
The influence of transient deep convection on the Asian summer monsoon anticyclone	Randel, William	NCAR	Boulder, CO	USA	9/12/2005
Processes that account for the ozone maximum at the mesopause	Smith, Anne	AGU	New Orleans, LA	USA	May-05
Using TIMED to characterize the ozone and thermal structure in the middle atmosphere	Smith, Anne	AMS	Atlanta, GA	USA	2005
Separating QBO and solar variability in stratospheric temperature and ozone	Smith, Anne	IAGA Assembly	Toulouse	France	Jul-05
Atmospheric nanoparticles: Formation and physicochemical properties	Smith, James	NCAR	Boulder, CO	USA	4/18/2005
Effect of biomass burning, and biogenic emission on Mexico City's Air Pollution and Outflow	Tie, Xuexi	AGU	San Francisco, CA	USA	12/12/2004
Systematic Evaluation of Errors Induced by Different Spatial Grids in Regional and Global Air Quality Models	Tie, Xuexi	NASA	Boulder, CO	USA	11/17/2004
Applications of WRF-Chem in MIRAGE: Some Preliminary results	Tie, Xuexi	NCAR	Mexico City	Mexico	3/15/2005
To Better Understand the Air-Quality in Eastern China	Tie, Xuexi	Chinese Academy of Sciences	Beijing	China	5/15/2005
To Better Understand the Air-Quality in Eastern China and BeiJing Areas	Tie, Xuexi	Peking University	Beijing	China	5/14/2005
Atmospheric nanoparticles: Formation and physicochemical properties	Tilmes, Simone	NCAR	Boulder, CO	USA	6/27/2005
Lecturer for Energy and the Environment Seminar: Biomass	Wiedinmyer, Christine	Univ. Colorado	Boulder, CO	USA	3/30/2005
Working with spatial data to model and evaluate biosphere-atmosphere interactions	Wiedinmyer, Christine	NCAR	Boulder, CO	USA	3/22/2005

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4.B. Non-Technical Presentations

Biogenic VOC
Basic Atmospheric Chemistry

Environmental Ethics
Tour of NCAR for Orlando chapter of Johns Hopkins University Alumni

Employee
Guenther , Alex
Karl , Thomas

Mankin , Bill
Mankin , Bill

Institution
Fairylake Botanical Garden
Colo. School of Mines
American Baptist Church of the Rocky
Mountains
NCAR

CityState
Shenzhen
Golden, CO
Fort Collins, CO
Boulder, CO

Country
China
USA
USA
USA

Date
May-05
10/22/2004
9/21/2005

4. Editorships

Employee

Cantrell, Chris

Edwards, David

Garcia, Rolando

Guenther, Alex
Guenther, Alex

Madronich, Sasha

McKenna, Daniel
Randel, William
Tie, Xuexi

Role

Editor

Associate Editor

Guest Editor

Editor
Editorial advisory board

Guest Co-Editor

Editor
Associate Editor
Associate Editor

Journal

Journal of Geophysical Research -
Atmospheres
Journal of Quantitative Spectroscopy
& Radiative Transfer
Journal of Atmospheric and Solar-
Terrestrial Physics (special issue)

Atmospheric Chemistry and Physics
Atmospheric Environment
Journal of Atmospheric Environment
(special issue)
ACP special edition on "water vapour
measurements in the upper
troposphere"
Journal of Atmospheric Sciences
Advances in Atmospheric Sciences

5. External Scientific, Policy, or Educational Committees and Advisory Panels, Boards

Employee	Role	Committee/Panel/Board
Edwards, David	Member	NASA Review Panel for AURA Science
Gille, John	Member	SPARC Science Steering Group; Science Advisory Panel for the Ozone Monitoring and Profiling System (OMPS) on NPOESS
Gille, John	Member	NSF Biosphere-Atmosphere Research and Training IGERT short course committee
Guenther, Alex	Member	Sub Division of Atmospheric Sciences: Boundary Layer Processes & Surface Interactions of the European Geophysical Union
Karl, Thomas	Member	ACP, JGR, GRL, ES&T
Karl, Thomas	Reviewer	GEIA Steering Committee
Lamarque, Jean-Francois	Member	NASA Review Panel for AURA Science
Mankin, Bill	Member	AURA Education committee
Massie, Steve	Member	
McKenna, Daniel	Member	Atmospheric Chemistry and Physics AMS Middle Atmosphere National Research Council (NRC) Board on Atmospheric Sciences and Climate (BASC)
Pan, Laura	Member	NRC review panel for the Climate Change Science Program (CCSP) Assessment on Temperature Trends in the Lower Atmosphere
Randel, William	Member	Scientific Steering Group for the Network for the Detection of Stratospheric Change (NDSC)
Randel, William	Chair	SPARC Bylaws Committee of the American Association for Aerosol Research
Randel, William	Member	Book: The Atmospheric Chemistry of Alkanes
Randel, William	Project Leader	
Smith, James	Member	
Tyndall, Geoff	co-author	
Wiedinmyer, Christine	Representative	NCAR Early Career Scientist Assoc. Journal of Geophysical Research, Atmospheric Environment, Geophysical Research Letters, Atmospheric Chemistry and Physics, NOAA
Wiedinmyer, Christine	Reviewer	