# 2007 ESRL GLOBAL MONITORING ANNUAL CONFERENCE

Boulder, Colorado
May 2 and May 3, 2007

David Skaggs Research Center, Room GC402
325 Broadway, Boulder, CO 80305

## AGENDA

*(Presenter's name only is given; see abstract for complete author listing.)*

**Wednesday, May 2, 2007** Page No.

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## AGENDA

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**Thursday, May 3, 2007**

***Session 5*** ***International Monitoring Programs 1 – R.C. Schnell***



**1010-1030** **Break**

***Session 6*** ***International Monitoring Programs 2 – J.A. Ogren***



**1210.1310** **Lunch**

***Session 7*** ***New Directions 1 – E.G. Dutton***



**1450-1510** **Break**

***Session 8*** ***New Directions 2 -S. J. Oltmans***

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## POSTER SESSION AGENDA
## Room GB-124

*(Presenter's name only is given; see abstract for complete author listing.)*

## Wednesday, May 2: 1600-1800

***Solar Radiation***

P-1 The NOAA Annual Greenhouse Gas Index (AGGI) - Update 2006 – *D.J. Hofmann (ESRL/GMD)*
P-2 Factors Affecting UV Radiation at Barrow, Alaska – *G. Bernhard* (*Biospherical Instruments, San Diego, CA*)
P-3 Long-Term Stability of Rev Q. UV Multifilter Rotating Shadowband Radiometers, Part 4: Lamp Calibrations Versus the Langley Method – *G.T. Janson* (*Colorado State University, Fort Collins, CO*)
P-4 The Information Available on Short-Term and Long-Term Tropospheric Ozone Variability from Zenith Sky UV Measurements – *I. Petropavlovskikh* (*CIRES/GMD*)
P-5 A Proposed Working Standard for the Measurement of Diffuse Horizontal Shortwave Irradiance – *J.J. Michalsky* (*ESRL/GMD*)
P-6 An Aerosol Optical Depth Climatology for the SURFRAD Network – *J.A. Augustine* (*ESRL/GMD*)
P-7 A Network of Spectral Radiometers for the Study of Polar Aerosols – *R.S. Stone (CIRES/GMD*)

***Aerosols***

P-8 Aerosol Optical Depth from Passive and Active Measurements during the 2005 Aerosol Lidar Validation Experiment at the ARM Site in Oklahoma – *P. Kiedron* (*CIRES/GMD*)
P-9 Ultra-Fine and Fine Aerosol Number Concentrations at Zugspitze Station, Germany – *L. Ries* (*UBA, Federal Environment Agency)*
P-10 Aerosol Optical Properties at a Polluted Continental Site – *E. Andrews* (*CIRES/GMD*)
P-11 The NOAA/ESRL Airborne Aerosol Observatory: an Overview of the First Year of Operations – *P.J. Sheridan* (*ESRL/GMD*)

***Halocarbons and Hydrocarbons***

P-12 In Situ Measurements of Methyl Chloride at the NOAA Baseline Observatories – *G.S. Dutton* (*CIRES/GMD*)
P-13 Convection of Long and Very Short Lived Trace Gases into the UT/LS and TTL – *F.L. Moore* (*CIRES/GMD*)
P-14 On Reconciling Competing Atmospheric Concentration Estimates from an In Situ ECD GC – *J.D. Nance* (*CIRES/GMD*)
P-15 Exploring the Use of Compressed Gas Mixtures as Water Vapor Transfer Standards – *B. Hall* (*ESRL/GMD*)

***Ozone, Water Vapor and Radon***

P-16 High Resolution Simulation, and Aura-MLS and Lidar Observations of an Unprecedented Polar Ozone Filament Event over Mauna Loa Observatory, Hawaii – *O.P. Tripathi (Table Mountain Facility, JPL, CA)*
P-17 Requirements for New Measurements of the Absorption Cross-Section of Ozone for Accurate Determination of Ozone Concentration – *J. Viallon (Bureau International des Poids et Mesures, France)*
P-18 Using Radon-222 to Test a Chemical Transport Model and Calculate Greenhouse Gas Fluxes – *A.I. Hirsch (CIRES*/GMD*)*
P-19 NASA/AURA/Microwave Limb Sounder Water Vapor Validation by MLO Raman Lidar – *J.E. Barnes* (*ESRL/GMD*)
P-20 Continental Outflow Events at Mauna Loa Observatory; a Review 1997-2006 – *W. Zahorowski* (*ANSTO, Australia*)
P-21 Characterization of Mixing and Venting Processes in the Cloud-Topped Boundary Layer Using Airborne Radon Measurements – *W. Zahorowski* (*ANSTO, Australia)*
P-22 Hourly Observations of the Near-Surface Radon Gradient at Lucas Heights, Sydney – *W. Zahorowski* (*ANSTO, Australia*)

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### Wednesday, May 2: 1600-1800

***Carbon Cycle***

P-23 Observations of Trace Gas Correlation in the Free Troposphere Derived from the Atmospheric Infrared Sounder (AIRS) – *C. Barnet (NESDIS, MD*)

P-24 Status of NIST Methane SRMs and Primary Standards – *J. Rhoderick* (*NIST, MD*)

P-25 $CO_2$ Concentration, Flux and Net Ecosystem Carbon Exchange over a Corn Surface on the North China Plain – *B. Lingen* (*Chinese Academy of Meteorological Sciences, Beijing, China*)

P-26 Monitoring Trace Gases by Shipboard Sampling – *M. Heller* (*CIRES/GMD*)

P-27 Update on the GMD/WMO CO Reference Scale – *P. Novelli* (*ESRL/GMD*)

P-28 Long-Term Primary Study on the Characteristics of Trace Gases in a Clean Area of North China – *B. Jianhui* (*Chinese Academy of Science, Beijing, China)*

P-29 Regional Transport Analysis for Carbon Cycle Inversions Using RUC-LPDM System – *M. Uliasz (Colorado State University, Fort Collins, CO*)