
Tuesday, 24 June 2008

**Session 40: Aerosol Characterization and Direct and Indirect Effects on Climate -
Oral Presentations**

Co-Chairs: Eduardo Landulfo, Toshiyuki Murayama

- S04O-01** 10:05-10:30 Aerosol Profile Measurements from the NASA Langley Research Center Airborne High Spectral Resolution Lidar --- *M. D. Obland, C. A. Hostetter, R. A. Ferrare, J. W. Hair, R. R. Rogers, S. P. Burton, A. L. Cook, D. B. Harper*, (invited)
- S04O-02** 10:30-10:45 Saharan dust and biomass burning aerosol characterization: airborne high spectral resolution lidar observations over the Cape Verde Islands during SAMUM 2008 --- *M. Esselborn, M. Wirth, A. Fix, P. Mahnke, G. Ehret*
- S04O-03** 10:45-11:00 Development of Multi-Wavelength High-Spectral-Resolution Lidar and application of Spheroid models to aerosol retrieval from lidar measurements --- *T. Nishizawa, N. Sugimoto, I. Matsui*
- S04O-04** 11:00-11:15 Optical properties of Asian dust layers in the upper troposphere over Tsukuba, Japan observed with a high-spectral-resolution lidar --- *B. Tatarov, N. Sugimoto, I. Matsui, A. Shimizu*
- S04O-05** 11:15-11:30 Lidar Observations of Pure and Aged Saharan Dust During the Saharan Mineral Dust Experiment 1 and 2 --- *M. Tesche, D. Althausen, D. Mueller, A. Ansmann*
- S04O-06** 11:30-11:45 Asian dust and cirrus clouds properties as measured by Raman lidar and balloon-borne instruments --- *T. Sakai, N. Orikasa, T. Nagai, M. Murakami, T. Tajiri, A. Saito, K. Yamashita, A. Hashimoto*
- S04O-07** 11:45-12:00 Vertical profiles of optical and microphysical properties of atmospheric aerosol determined by inversion of multi-wavelength Raman lidar data --- *Y. Noh, Y. Kim, D. Müller*
- S04O-08** 12:00-12:15 Optical, microphysical and chemical properties of tropospheric aerosols retrieved by a 6-wavelength Raman lidar system during a biomass burning event over Athens, Greece --- *A. Papayannis, R. E. Mamouri, A. Nenes, G. Tsaknakis, V. Amiridis, G. Georgoussis, G. Avdikos, C. Böckmann, L. Osterloh, K. Eleftheriadis, D. Böhme, A. Stohl*
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