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Remote Sensing of Clouds and the Atmosphere XX

**Adolfo Comerón
Evgueni I. Kassianov
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Editors

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Contents

- vii *Authors*
- ix *Conference Committee*
- xi *Introduction*

SESSION 1 LIDAR, RADAR, AND PASSIVE ATMOSPHERIC MEASUREMENTS I

- 9640 02 **Aerosol properties from combined oxygen A band radiances and lidar (Invited Paper)**
[9640-1]
- 9640 03 **The ESA-JAXA EarthCARE clouds, aerosol and radiation explorer mission: overview and development status** [9640-2]
- 9640 04 **94 GHz doppler wind radar satellite mission concept** [9640-3]
- 9640 05 **Deriving aerosol properties from measurements of the Atmosphere-Surface Radiation Automatic Instrument (ASRAI)** [9640-4]
- 9640 06 **Comparison of unfiltered CERES radiances measured from the S-NPP and Aqua satellites over matched sites** [9640-5]
- 9640 07 **Design and performances of microcameras and photometers instruments on TARANIS satellite for an advanced characterization of Transient Luminous Event in the upper atmosphere** [9640-6]
- 9640 08 **Performance test of the synergetic use of simulated lidar and microwave radiometer observations for mixing-layer height detection** [9640-7]

SESSION 2 LIDAR, RADAR, AND PASSIVE ATMOSPHERIC MEASUREMENTS II

- 9640 0A **Doppler capable FMCW cloud detection radar** [9640-9]
- 9640 0B **Preventing the saturation phenomenon of detectors used in environmental remote sensing**
[9640-11]

SESSION 3 REMOTE SENSING OF CLOUDS

- 9640 0C **Comparing different methods to retrieve cloud top height from Meteosat satellite data**
[9640-12]

- 9640 OD **On the reliability of geostationary satellite observations for diagnosing indirect aerosol effects** [9640-13]
- 9640 OG **Numerical modeling of polarization properties of the return signals in ground-based LIDAR cloud sensing** [9640-16]
- 9640 OH **Analysis of heavy precipitation caused by the vortices in the lee of the Tibetan Plateau from TRMM (the Tropical Rainfall Measuring Mission) observations** [9640-17]

SESSION 4 RADIATIVE TRANSFER

- 9640 OJ **Estimation of aerosol direct radiative forcing in Lecce during the 2013 ADRIMED campaign** [9640-20]
- 9640 OK **How well can we estimate areal-averaged spectral surface albedo from ground-based transmission in the Atlantic coastal area?** [9640-21]
- 9640 OL **Cloud radiative characteristic parameter calculation for space-based remote sensing sensors** [9640-22]
- 9640 OM **The thermal infrared radiance properties of dust aerosol over ocean** [9640-24]

SESSION 5 REMOTE SENSING OF AEROSOLS, TRACE GASES, AND METEOROLOGICAL PARAMETERS

- 9640 OO **Mixing layer height measurements determines influence of meteorology on air pollutant concentrations in urban area** [9640-26]
- 9640 OP **Open-path quantum cascade laser-based system for simultaneous remote sensing of methane, nitrous oxide, and water vapor using chirped-pulse differential optical absorption spectroscopy** [9640-27]
- 9640 OQ **Impacts of surface albedo models on high-resolution AOD retrieval** [9640-28]
- 9640 OR **Inclusion of high resolution MODIS maps on a 3D tropospheric water vapor GPS tomography model (Best Student Paper)** [9640-29]
- 9640 OS **Intercomparison between MODIS 3km aerosol optical depth and ground PM₁₀ measurements over Athens, Greece** [9640-30]
- 9640 OT **Remote sensing for studying atmospheric aerosols in Malaysia** [9640-31]
- 9640 OU **Satellite and ground based seasonal variability of NO₂ and SO₂ over New Delhi, India** [9640-32]
- 9640 OW **Determination of nocturnal aerosol properties from a combination of lunar photometer and lidar observations** [9640-34]

POSTER SESSION

- 9640 0Z **Geoinformation system for prediction of forest fire danger caused by solar radiation using remote sensing** [9640-37]
- 9640 11 **Radiation environment study of near space in China area** [9640-39]
- 9640 13 **Detection of severe air pollution from multidirectional perspectives** [9640-41]
- 9640 15 **Estimation of solar radiation by using modified Heliosat-II method and COMS-MI imagery** [9640-43]
- 9640 16 **Exploiting the structure of MWR-derived temperature profile for stable boundary-layer height estimation** [9640-44]
- 9640 19 **Time-series MODIS satellite and in-situ data for spatio-temporal distribution of aerosol pollution assessment over Bucharest metropolitan area** [9640-47]
- 9640 1A **Development of new shipborne aureolemeter to measure the intensities of direct and scattered solar radiation on rolling and pitching vessel** [9640-48]

Authors

Numbers in the index correspond to the last two digits of the six-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first four digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Anzalone, A., 0C
Baranovskiy, Nikolay V., 0Z
Barnard, James, 0K
Barragan, Ruben, 0J
Benevides, Pedro, 0R
Bertaina, M., 0C
Blumenstock, Thomas, 0O
Bonn, Boris, 0O
Briz, S., 0C
Buck, Christopher, 04
Burlizzi, Pasquale, 0J
Cansot, Elodie, 07
Cassardo, C., 0C
Castillo, Paulo, 0P
Catalao, Joao, 0R
Çelik, Mert, 0A
Chen, Jianyu, 0M
Chen, Xingfeng, 11
Choi, Wonseok, 15
Chowdhury, Nazmi, 0Q
Comeron, Adolfo, 0J
Coşkun, Salih, 0A
Cremonini, R., 0C
Crewell, Susanne, 08
De Castro, A. J., 0C
Deneke, Hartwig, 0D
Diaz, Adrian, 0P
Eisinger, M., 03
Fan, Dongdong, 11
Farges, Thomas, 07
Ferrarese, S., 0C
Flynn, Connor, 0K
Gaillac, Stéphanie, 07
Gerwig, Holger, 0O
Gong, Fang, 0M
Gross, Barry, 0P, 0Q
Hao, Zengzhou, 0M
Hase, Frank, 0O
Hébert, Philippe, 07
Hu, Yongxiang, 02
Isgrò, F., 0C
Jiang, Lujun, 0H
Kablukova, E. G., 0G
Kamarul Zaman, Nurul Amalin Fatimah, 0T
Kanniah, Kasturi Devi, 0T
Kargin, B. A., 0G
Kassianov, Evgueni, 0K
Katsanos, Dimitris, 0S
Kedadra, Abdelkrim, 0B
Kim, Yongil, 15
Kobayashi, Hiroshi, 1A
Koç, Sencer, 0A
Koopman, R., 03
Kumar, Krishan, 0U
Kumar, Ram Pravesh, 0U
Lajas, Dulce, 03
Le Mer-Dachard, Fanny, 07
Lefebvre, A., 03
Li, Donghui, 05, 0W
Li, Guoping, 0H
Li, Kaitao, 0W
Li, Xin, 05
Li, Zhengqiang, 05, 0W, 11
Lin, Chung-Chi, 04
Lisenko, A. A., 0G
Liu, Enchao, 05
Lopez, F., 0C
Lv, Yang, 0W
Malakar, Nabin, 0Q
Marinovici, Cristina, 0K
Mei, Xiaodong, 11
Merk, Daniel, 0D
Miranda, Pedro M. A., 0R
Moshary, Fred, 0P, 0Q
Mukai, Sonoyo, 13
Münkel, Christoph, 0O
Nakata, Makiko, 13
Nico, Giovanni, 0R
Nothard, Rainer, 0O
Pan, Delu, 0M
Pandey, Alok Kumar, 0U
Paronis, Dimitris, 0S
Perrone, Maria-Rita, 0J
Pospichal, Bernhard, 0D
Priestley, Kory J., 06
Ravel, Karen, 07
Retalis, Adrianos, 0S
Riihimaki, Laura, 0K
Rocadenbosch, Francesc, 08, 16
Romano, Salvatore, 0J
Rommen, Björn, 04
Saeed, Umar, 08, 16
Sano, Itaru, 13
Savastru, Dan M., 19
Savastru, Roxana S., 19
Schäfer, Klaus, 0O
Schüttemeyer, Dirk, 04
Seifert, Patric, 0D

Shiobara, Masataka, 1A
Sicard, Michaël, 0J
Smith, G. Louis, 06
Song, Ahram, 15
Szewczyk, Z. Peter, 06
Tabone, I., 0C
Thomas, Benjamin, 0P
Traïche, Mohammed, 0B
Tu, Qianguang, 0M
von Schneidemesser, Erika, 0O
Wang, Hongxia, 0L
Wehr, T., 03
Winker, David M., 02
Xie, Yisong, 05
Xu, Hua, 05, 0W
Xu, Xiaojian, 0L
Yankovich, Elena P., 0Z
Yasumoto, Masayoshi, 13
Yilmaz, Ali Özgür, 0A
Zhai, Peng-Wang, 02
Zhang, Ying, 0W
Zheng, Xiaobin, 05
Zoran, Maria A., 19

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- 1 Lidar, Radar, and Passive Atmospheric Measurements I
Klaus Schäfer, Karlsruher Institut für Technologie (Germany)
- 2 Lidar, Radar, and Passive Atmospheric Measurements II
Klaus Schäfer, Karlsruher Institut für Technologie (Germany)
- 3 Remote Sensing of Clouds
Evgueni I. Kassianov, Pacific Northwest National Laboratory
(United States)
- 4 Radiative Transfer
Evgueni I. Kassianov, Pacific Northwest National Laboratory
(United States)

- 5 Remote Sensing of Aerosols, Trace Gases, and Meteorological Parameters
Adolfo Comerón, Universidad Politècnica de Catalunya (Spain)

Introduction

Remote sensing of clouds and atmosphere, with a long history of accomplishments, is at the heart of numerous studies aimed at understanding better a broad range of complex climate-related physical processes. This volume of SPIE proceedings includes 33 manuscripts in which the conference participants offer valuable highlights of the recent achievements in the development of advanced observational capabilities and improvements in remote sensing techniques. These proceedings cover the full range of the conference topics related to the remote sensing of atmosphere and clouds from surface and space, and the theoretical and experimental aspects of interaction of passive and active radiation with atmosphere and clouds.

Two invited speakers (Dr. David Winker, NASA Langley Research Center, United States, and Dr. Marc Mallet, Laboratoire d'Aérodynamique, CNRS, France) gave illuminating talks that bridged important observational and model components and generated many fruitful follow-up discussions. In addition to the distinguished senior participants, several early career scientists gave talks and shared new perspectives in their research fields.

The meeting was held in Toulouse, France, a beautiful and dynamic city with pleasant surroundings, and one of the main centers of the European aerospace industry. We are grateful to the SPIE Organizing Committee for providing the friendly environment and all participants for their valuable contributions, which were essential to the success of this meeting.

Adolfo Comerón
Evgueni I. Kassianov
Klaus Schäfer
Richard H. Picard
Konradin Weber

