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Remote Sensing for Agriculture, Ecosystems, and Hydrology X

**Christopher M. U. Neale
Manfred Owe
Guido D'Urso**
Editors

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Contents

vii	Conference Committee
ix	Introduction

SESSION 1 WETLANDS AND LAKE HABITATS

- 7104 02 **Space-based ornithology: studying bird migration and environmental change in North America (Invited Paper)** [7104-01]
J. A. Smith, NASA Goddard Space Flight Ctr. (United States); J. L. Deppe, Univ. of Maryland, Baltimore County (United States)
- 7104 03 **Extraction of mangrove forests using a satellite image and a digital elevation model** [7104-02]
M. Tamura, K. Kikushima, Kyoto Univ. (Japan)
- 7104 04 **Effect of abiotic and biotic factors on the abundance of waterbirds in Grado-Marano Lagoon (Italy)** [7104-03]
A. Altobelli, T. Hubina, S. Sponza, A. Sisto, Univ. of Trieste (Italy)
- 7104 05 **Lake Chapala change detection using time series** [7104-04]
A. López-Caloca, F.-O. Tapia-Silva, Ctr. de Investigación en Geografía y Geomática (Mexico); B. Escalante-Ramírez, Univ. Nacional Autónoma de México (Mexico)
- 7104 06 **Lake Izabal (Guatemala) shoreline detection and inundated area estimation from ENVISAT ASAR images** [7104-05]
C. Medina, J. Gomez-Enri, J. J. Alonso, P. Villares, Univ. of Cadiz (Spain)

SESSION 2 MONITORING LAND USE CHANGE

- 7104 07 **Monitoring the urban expansion of Sparta and Nafplio cities using remote sensing and GIS techniques** [7104-06]
A. D. Zervakou, K. G. Nikolakopoulos, P. I. Tsombos, G. P. Papanikolaou, Institute of Geology & Mineral Exploration (Greece)
- 7104 08 **Urban/periurban vegetation cover dynamics estimation from remotely-sensed data** [7104-07]
M. A. Zoran, National Institute of R&D for Optoelectronics (Romania); C. H. Weber, Univ. Louis Pasteur, Lab. Image Et Ville, CNRS (France)
- 7104 09 **Analysing land cover change using time series analysis of Landsat data and geoinformation processing: a natural experiment in Northern Greece** [7104-08]
A. Röder, M. Stellmes, J. Hill, Univ. Trier (Germany); T. Kuemmerle, Humboldt Univ. (Germany); G. M. Tsiourlis, National Agricultural Research Foundation (Greece)

SESSION 3 VEGETATION MONITORING I

- 7104 0A **Satellite remote sensing as a tool for monitoring vegetation seasonality** [7104-10]
B. A. O'Connor, N. Dwyer, Coastal and Marine Resources Ctr. (Ireland); F. Cawkwell, Univ. College Cork (Ireland)
- 7104 0C **Mapping vegetation cover of grassland ecosystem for desertification monitoring in Hulun Buir of Inner Mongolia, China** [7104-14]
Z. Qin, Institute of Agro-Resources and Regional Planning (China) and Nanjing Univ. (China); Y. Zhu, Nanjing Univ. (China); W. Li, B. Xu, Institute of Agro-Resources and Regional Planning (China)

SESSION 4 SOIL MOISTURE AND HYDROLOGY

- 7104 0D **Exploiting optical E.O. data for soil moisture retrieval** [7104-15]
K. Richter, G. D'Urso, M. Palladino, Univ. degli Studi di Napoli Federico II (Italy); F. Vuolo, ARIESPACE s.r.l. (Italy)
- 7104 0E **Northern and southern alpine regions snow extent extraction: long-term analysis 1985-2007** [7104-16]
P. Gamba, G. Lisini, L. Natale, E. Sirtori, Univ. degli Studi di Pavia (Italy)
- 7104 0F **Estimation of the Douro River plume dimension based on image segmentation of MERIS scenes** [7104-17]
A. Teodoro, H. Gonçalves, F. Veloso-Gomes, J. A. Gonçalves, Univ. do Porto (Portugal)
- 7104 0G **Airborne remote sensing applications in hydrology and water resources** [7104-19]
C. M. U. Neale, Utah State Univ. (United States)

SESSION 5 ESTIMATION OF EVAPOTRANSPIRATION

- 7104 0H **Monitoring evapotranspiration at landscape scale in Mexico: applying the energy balance model using remotely sensed data** [7104-20]
C. Coronel, E. Rosales, F. Mora, A. A. López-Caloca, F.-O. Tapia-Silva, Research Ctr. in Geography and Geomatics (Mexico); G. Hernández, Univ. Autónoma Metropolitana (Mexico)
- 7104 0I **Estimating irrigation demand using satellite remote sensing: a case study of Paphos District area in Cyprus** [7104-21]
D. G. Hadjimitsis, G. Papadavid, K. Themistokleous, Cyprus Univ. of Technology (Cyprus); A. Kounoudes, SignalGeneriX Ltd. (Cyprus); L. Toullos, National Agricultural Research Foundation (Greece)
- 7104 0J **Spatial sharpening of land surface temperature for daily energy balance applications** [7104-22]
C. Cammalleri, G. Ciraolo, M. Minacapilli, Univ. degli Studi di Palermo (Italy)
- 7104 0K **A sensitivity analysis of a surface energy balance model to LAI (Leaf Area Index)** [7104-23]
A. Maltese, M. Cannarozzo, F. Capodici, G. La Loggia, T. Santangelo, Univ. degli Studi di Palermo (Italy)

- 7104 OL **The comparison of regional evapotranspiration estimation with NOAA/AVHRR and MODIS data** [7104-24]
W. Wang, Renmin Univ. of China (China); L. Sun, Beijing Normal Univ. (China); G. Liu, Renmin Univ. of China (China); R. Sun, Beijing Normal Univ. (China)

SESSION 6 OTHER APPLICATIONS

- 7104 ON **Identification of tree species from high-resolution satellite imagery by using crown parameters** [7104-26]
C. Kim, S.-H. Hong, Kookmin Univ. (Korea, Republic of)
- 7104 OP **Mapping irrigation area of winter wheat farmland in North China Plain using MODIS remote sensing data** [7104-28]
L. Lin, Nanjing Univ. (China); Z. Qin, Nanjing Univ. (China) and Institute of Agro-Resources and Regional Planning (China); J. Li, Nanjing Univ. (China)

SESSION 7 VEGETATION MONITORING II

- 7104 OR **Recent trends in agricultural production of Africa based on AVHRR NDVI time series** [7104-30]
A. Vrieling, Joint Research Ctr. of the European Commission (Italy); K. M. de Beurs, Virginia Polytechnic Institute and State Univ. (United States); M. E. Brown, Science Systems and Applications, Inc., NASA Goddard Space Flight Ctr. (United States)
- 7104 OT **Dryland observation at local and regional scale: comparison of Landsat TM and NOAA AVHRR time series** [7104-33]
M. Stellmes, Univ. Trier (Germany); T. Udelhoven, Ctr. de Recherche Public-Gabriel Lippmann (Luxembourg); A. Röder, J. Hill, Univ. Trier (Germany)
- 7104 OU **Analysing spatio-temporal pattern of changing farmland in China's arid zone** [7104-34]
Q. Zhou, B. Sun, Hong Kong Baptist Univ. (Hong Kong, China)

SESSION 8 CROP YIELD MONITORING

- 7104 OV **Imaging spectroscopy for estimating sugarcane leaf nitrogen concentration** [7104-53]
E. M. Abdel-Rahman, F. B. Ahmed, Univ. of KwaZulu-Natal (South Africa); M. van den Berg, South African Sugarcane Research Institute (South Africa)
- 7104 OX **RS-CGM: a spatial crop growth model based on GIS and RS** [7104-36]
Y. Lei, Institute of Genetics and Developmental Biology (China); T. Tang, Institute of Genetics and Developmental Biology (China) and Graduate Univ. of Chinese Academy of Sciences (China); L. Zheng, Institute of Genetics and Developmental Biology (China); S. Zhang, Z. Wang, Institute of Genetics and Developmental Biology (China) and Graduate Univ. of Chinese Academy of Sciences (China)

- 7104 0Y **Prediction of winter wheat grain protein content by ASTER image** [7104-37]
W. Huang, X. Song, J. Wang, National Engineering Research Ctr. for Information Technology in Agriculture (China); Z. Wang, Agriculture and Agri-Food Canada (Canada); C. Zhao, National Engineering Research Ctr. for Information Technology in Agriculture (China)

POSTER SESSION

- 7104 0Z **The assessment of air pollution and climatic changes impacts on mountain forest ecosystems by satellite remote sensing data** [7104-38]
M. A. Zoran, National Institute of R&D for Optoelectronics (Romania); L. F. V. Zoran, Univ. Politehnica of Bucharest (Romania); A. I. Dida, Romsilva RA (Romania)
- 7104 10 **Rice crop monitoring using X, C and L band SAR data** [7104-39]
Y. Suga, Hiroshima Institute of Technology (Japan); T. Konishi, Nihon CADIC Co., Ltd. (Japan)
- 7104 11 **Comparison of field emissivities with laboratory measurements and ASTER data** [7104-40]
M. Mira, Univ. of Valencia (Spain); T. Schmugge, New Mexico State Univ. (United States); E. Valor, V. Caselles, C. Coll, Univ. of Valencia (Spain)
- 7104 12 **Evaluating health of paddy rice field ecosystem with remote sensing and GIS in Lower Yangtze River Plain, China** [7104-41]
J. Li, Nanjing Univ. (China); Z. Qin, Nanjing Univ. (China) and Institute of Agro-Resources and Regional Planning (China); W. Li, Institute of Agro-Resources and Regional Planning (China); L. Lin, Nanjing Univ. (China)
- 7104 13 **Using evapotranspiration estimates from Landsat TM data to analyse uncertainties of a spatially distributed hydrological model (PRMS)** [7104-44]
M. Vohland, M. Stellmes, Univ. Trier (Germany)
- 7104 14 **Snow mapping for water resource management using MODIS satellite data in northern Xinjiang, China** [7104-46]
H. Pei, Nanjing Univ. (China); Z. Qin, Nanjing Univ. (China) and Institute of Agro-Resources and Regional Planning (China); S. Fang, Z. Liu, Xinjiang Univ. (China)
- 7104 15 **Study on the late frost monitoring technology for winter wheat by EOS/MODIS data** [7104-47]
X. Zhang, Meteorological Observation Center of CMA (China); L. Sun, R. Sun, Beijing Normal Univ. (China), LRSS (China), and Beijing Key Lab. of Environmental Remote Sensing (China); Q. Guo, Henan Institute of Meteorology (China); W. Wang, Renmin Univ. of China (China)
- 7104 16 **Study on the spectrum response of rice to the zinc pollution** [7104-48]
Q. Cheng, X. Wu, Zhejiang Gongshang Univ. (China)
- 7104 17 **Extracting chlorophyll concentration of water body based on spectral unmixing model** [7104-49]
X. Wu, Q. Cheng, Zhejiang Gongshang Univ. (China)

Author Index

Conference Committee

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Guido D'Urso, Università degli Studi di Napoli Federico II (Italy)

Session Chairs

- 1 Wetlands and Lake Habitats
Christopher M. U. Neale, Utah State University (United States)
- 2 Monitoring Land Use Change
Christopher M. U. Neale, Utah State University (United States)
- 3 Vegetation Monitoring I
Katja Richter, Università degli Studi di Napoli Federico II (Italy)
- 4 Soil Moisture and Hydrology
Guido D'Urso, Università degli Studi di Napoli Federico II (Italy)
- 5 Estimation of Evapotranspiration
Guido D'Urso, Università degli Studi di Napoli Federico II (Italy)
- 6 Other Applications
Guido D'Urso, Università degli Studi di Napoli Federico II (Italy)
- 7 Vegetation Monitoring II
Katja Richter, Università degli Studi di Napoli Federico II (Italy)
- 8 Crop Yield Monitoring
Christopher M. U. Neale, Utah State University (United States)

Introduction

This proceedings volume contains papers presented during the conference on Remote Sensing for Agriculture, Ecosystems, and Hydrology X. The conference was part of the 15th International Symposium on Remote Sensing sponsored by SPIE Europe. The symposium was held at the University of Wales Institute in Cardiff, Wales, 15 through 18 September 2008.

The conference is dedicated to providing rapid dissemination of scientific and technical information, and attracted scientists and professionals from throughout Europe, Africa, Asia, and the Americas. More than 40 oral and poster presentations were given, covering a broad range of topics in the field of remote sensing applications in environmental science.

The program was organized according to major themes, with sessions on Agriculture: Canopy and Crop Yield Monitoring and Applications such as Monitoring Land Use Change; Ecosystems: Wetland and Lake Habitat Monitoring, Natural Vegetation Monitoring; Hydrology: Soil Moisture, Hydrology and Climate Applications, Evapotranspiration, and Energy Balance Estimation using Remote Sensing. The poster presentations also had good representation from the three major themes. The presentations described both fundamental and applications-based research activities from modeling, to laboratory and field experiments, to operational applications.

We extend our thanks to the presenters for their efforts and to the participants for their insightful questions and discussions. Special thanks are also due to the host city for the excellent venue and to the SPIE organizational staff for their support prior to, during, and after the symposium. We look forward to an even more successful and exciting conference in 2009.

Christopher M. U. Neale
Manfred Owe
Guido D'Urso