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**Christopher M. U. Neale
Antonino Maltese**
Editors

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Contents

ix	<i>Authors</i>
xi	<i>Conference Committee</i>
xiii	<i>Introduction</i>
xv	<i>Remote sensing at the NASA Kennedy Space Center and the Eastern Range: a perspective from the ground up (Plenary Paper) [9241-100]</i>

SESSION 1 MICROWAVE AND RADAR APPLICATIONS

9239 03	Passive microwave response to vegetation and soil moisture on agricultural fields [9239-2]
9239 04	Rainfall estimation with a commercial tool for satellite internet in Ka band: concept and preliminary data analysis [9239-3]
9239 05	The effect of land cover type on radar altimeter response and its influence on retracker algorithms [9239-4]
9239 06	A study on the use of passive microwave radiometry for the detection of buried objects and their associated hydrological changes [9239-5]

SESSION 2 THERMAL INFRARED REMOTE SENSING

9239 07	Combining land surface models and remote sensing data to estimate evapotranspiration for drought monitoring in Europe (Invited Paper) [9239-6]
9239 08	Surface soil water content estimation based on thermal inertia and Bayesian smoothing [9239-8]
9239 09	Temperature monitoring along the Rhine River based on airborne thermal infrared remote sensing: qualitative results compared to satellite data and validation with in situ measurements [9239-9]

SESSION 3 MONITORING OF RANGELAND AND FORESTS

9239 0B	Integrating remote sensing and conventional grazing/browsing models for modelling carrying capacity in Southern African rangelands [9239-13]
9239 0C	The potential of Sentinel-2 spectral configuration to assess rangeland quality [9239-15]

- 9239 0D **Quantitative assessment of Australian plague locust habitats in the inland of eastern Australia using RS and GIS technologies** [9239-17]
- 9239 0F **Identification of long-term trends in vegetation dynamics in the Guinea savannah region of Nigeria** [9239-21]
- 9239 0G **Object based technique for delineating and mapping 15 tree species using VHR WorldView-2 imagery** [9239-23]

SESSION 4 UTILIZATION AND VALIDATION OF RS OBSERVATIONS AND TOOLS FOR HYDROLOGY, AGRICULTURE, AND FLOOD MAPPING AND MODELING

- 9239 0H **Hemispherical directional reflectance factor using UAV and a hyperspectral camera, validation and crop field test** [9239-11]
- 9239 0I **Suitability of DSM derived from remote sensing data for automatic drainage extraction** [9239-12]
- 9239 0J **Multi-hazard risk analysis using the FP7 RASOR Platform** [9239-14]
- 9239 0K **Evapotranspiration and energy balance components spatial distribution in the north region of Minas Gerais, Brazil, using the SEBAL model and Landsat 5 TM images** [9239-16]

SESSION 5 ENERGY BALANCE AND EVAPOTRANSPIRATION I

- 9239 0O **Energy balance with Landsat images in irrigated central pivots with corn crop in the São Paulo State, Brazil** [9239-25]
- 9239 0P **Improvements in irrigation system modelling when using remotely sensed ET for calibration** [9239-26]
- 9239 0Q **Estimation of land surface albedo time series and trends based on MODIS data** [9239-27]

SESSION 6 ENERGY BALANCE AND EVAPOTRANSPIRATION II

- 9239 0S **Vineyard zonal management for grape quality assessment by combining airborne remote sensed imagery and soil sensors** [9239-29]
- 9239 0T **E.O.-based estimation of transpiration and crop water requirements for vineyards: a case study in southern Italy** [9239-30]

SESSION 7 CROP YIELD MONITORING

- 9239 0V **Analyzing C-band SAR polarimetric information for LAI and crop yield estimations** [9239-32]
- 9239 0W **Coupling MODIS images and agrometeorological data for agricultural water productivity analyses in the Mato Grosso State, Brazil** [9239-33]

- 9239 0X **A spectral-spatial-dynamic hierarchical Bayesian (SSD-HB) model for estimating soybean yield** [9239-34]
- 9239 0Y **Estimation of corn and soybeans yield using remote sensing and crop yield data in the United States** [9239-35]

SESSION 8 HIGH-RESOLUTION REMOTE SENSING: SPATIAL AND SPECTRAL

- 9239 10 **Vegetation index correction to reduce background effects in orchards with high spatial resolution imagery (Best Student Paper Award)** [9239-37]
- 9239 11 **Insights and recommendations of use of UAV platforms in precision agriculture in Brazil** [9239-38]
- 9239 12 **UAV-based hyperspectral monitoring of small freshwater area** [9239-39]
- 9239 13 **Hyperspectral remote sensing for estimating coastal water quality: case study on coast of Black Sea, Romania** [9239-40]
- 9239 14 **Hyperspectral band selection and classification of Hyperion image of Bhitarkanika mangrove ecosystem, eastern India** [9239-41]
- 9239 15 **Independent Component Analysis (ICA) performance to bathymetric estimation using high resolution satellite data in an estuarine environment** [9239-77]

SESSION 9 WATER RESOURCES I

- 9239 18 **Analysis of snow spatial and temporary variability through the study of terrestrial photography in the Trevezes River valley** [9239-45]
- 9239 19 **Drainage network extraction of Brazilian semiarid region with potential flood indication areas** [9239-46]
- 9239 1A **A remote sensing and geochemical tracing approach for localising groundwater discharge to lakes** [9239-47]

SESSION 10 WATER RESOURCES II

- 9239 1B **A model based on satellite altimetry and imagery to evaluate water volume changes in a reservoir in Brazil** [9239-49]
- 9239 1C **Delimitation of permanent protected areas of rivers in Brazil** [9239-50]
- 9239 1D **Acquisition of underwater topography in a mountain channel using terrestrial laser scanning** [9239-51]

SESSION 11	SURFACE CHARACTERIZATION
9239 1E	The use of full range spectroradiometer data to assess properties of a heterogeneous soil set in a regional scale survey [9239-52]
9239 1F	Automatic detection and agronomic characterization of olive groves using high-resolution imagery and LIDAR data [9239-53]
9239 1G	Accurate crop classification using hierarchical genetic fuzzy rule-based systems [9239-54]
SESSION 12	CHANGE DETECTION AND VEGETATION MONITORING
9239 1I	A new approach for agroecosystems monitoring using high-revisit multitemporal satellite data series [9239-58]
9239 1K	Estimating primary productivity of tropical oil palm in Malaysia using remote sensing technique and ancillary data [9239-60]
9239 1N	Remote sensing evaluation of ecosystem service value of gas regulation with time series Landsat images [9239-63]
	POSTER SESSION
9239 1Q	Retrieval of LAI and leaf chlorophyll content from remote sensing data by agronomy mechanism knowledge to solve the ill-posed inverse problem [9239-68]
9239 1S	Validation of smoke plume rise models using ground-based Lidar [9239-70]
9239 1V	Remote sensing of climate changes effects on forest biophysical variables [9239-74]
9239 1X	Land drainage system detection using IR and visual imagery taken from autonomous mapping airship and evaluation of physical and spatial parameters of suggested method [9239-76]
9239 1Z	Pasture evapotranspiration as indicators of degradation in the Brazilian Savanna: a case study for Alto Tocantins watershed [9239-79]
9239 20	Spectral reflectance of satellite images using geostatistics methods to estimate growth and cotton yield [9239-80]
9239 22	Remote sensing of water level and ice cover of large and middle-sized lakes of Russia [9239-84]
9239 23	Simulating the spatial representativeness of the meteorological observed data on rugged terrain [9239-85]
9239 24	Biophysical parameters in a wheat producer region in southern Brazil [9239-87]
9239 26	Assessing Cd-induced stress from plant spectral response [9239-89]

- 9239 27 **The synergy of water quality and sea surface currents data in determining the spatio-temporal evolution of large-scale circulation features** [9239-90]
- 9239 28 **Monitoring displacements of an earthen dam using GNSS and remote sensing** [9239-91]
- 9239 2B **Evaluating the potential of GeoEye data in retrieving LAI at watershed scale** [9239-94]
- 9239 2E **Water productivity of different land uses in watersheds assessed from satellite imagery Landsat 5 Thematic Mapper** [9239-86]
- 9239 2F **An improved model for sensible heat flux estimation based on landcover classification** [9239-81]

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.

Addesso, Paolo, 08	Ghezehegn, S. G., 13
Adjorlolo, C., 0B	Gianou, Stefania, 0I
Almeida, R., 15	Gomide, Reinaldo L., 0K
Andrade, Ricardo G., 0O, 0W, 1Z, 24	Gonçalves, M., 15
Aquilino, Mariella, 2B	Gong, Lifeng, 23
Asano, Y., 1D	Grego, Célia R., 20
Ashokkumar, L., 14	Gu, Xiaohe, 1N, 1Q
Barbré, Robert E., Jr., xv	Guo, Wei, 1N
Baschek, Björn, 09	Haarbrink, Roland, 06
Benas, Nikolaos, 0Q	Habeeb, Hindav N., 0G
Bolfe, Edson L., 0O, 0W, 24	Hakala, T., 0H, 12
Bonilla, I., 0S	Hanssen, Ramon F., 0V
Botha, J. O., 0B	Hao, W. M., 1S
Brandão, Ziany N., 11, 20	Harbich, Monika, 1E
Bullock, P. R., 03	Hernandez, Fernando B. T., 0O, 2E
Cammalleri, C., 07	Herrero, Javier, 18
Capodici, Fulvio, 08, 27, 28	Hommersom, Annelies, 13
Caruso, T., 1F	Honkavaara, E., 0H, 12
Cho, Moses, 0C	Huddleston, Lisa L., xv
Chrysoulakis, Nektarios, 0Q	Iacobellis, Vito, 2B
Ciraolo, Giuseppe, 27	Iannini, Lorenzo, 0V
Coppin, Pol, 10	Inamasu, Ricardo Y., 11, 20
Cosoli, Simone, 27	Janssens, Pieter, 10
Cracknell, A. P., 1K	Jardim, Alexandre Copertino, 19
Cruz, Caroline R., 0W, 24	Jin, Xiuliang, 1Q
Cuccoli, Fabrizio, 04	Jiao, Jingjun, 2F
Cuellar, Miguel Zanic, 19	Jirka, Vladimír, 1X
Culcea, Oana, 13	Jorge, Lúcio A. C., 11, 20
D'Addario, Larry, xv	Jung, András, 1E
Dardanelli, Gino, 28	Kancheva, Rumiana, 26
de C. Abreu, Luiza Gontijo Álvares, 1B	Kanniah, K. D., 1K
Decker Ryan K., xv	Karrasch, Pierre, 0F
Deckers, Tom, 10	Kazama, Yoriko, 0X
de Freitas Oliveira, João Ricardo, 19, 1C	Kim, Nari, 0Y
de Jeu, Richard, 06	Koska, Bronislav, 1X
de Oliveira Ortiz, Jussara, 19	Koudogbo, Fifamè N., 0J
de Paula Boratto, Isa M., 0K	Kovalev, V., 1S
Dida, Adrian I., 1V	Křemen, Tomáš, 1X
Diez, M., 1I	Krommendijk, Bram, 13
Duro, Javier, 0J	Kujirai, Toshihiro, 0X
D'Urso, Guido, 08, 0T	La Loggia, Goffredo, 28
Eddy, Andrew, 0J	La Scalia, G., 1F
Franco, Renato A. M., 2E	Lecina, S., 0P
Fricke, Katharina, 09	Lee, Yang-Won, 0Y
Garella, Riccardo, 08	Leivas, Janice F., 0O, 0W, 1Z, 24
Geldzahler, Barry, xv	Leonardi, Silvia S., 1C
Geniataki, Sofia, 0I	Li, Li, 23
Gentile, Francesco, 2B	Li, Zhenhai, 1Q
Georgiev, Georgi, 26	Lindfors, A., 12

Liu, Qinhua, 23
 Longo, Maurizio, 08
 Ludwig, Marie, 1E
 Maillard, Philippe, 05, 1B
 Mallandrino, Giuseppe, 27
 Maltese, Antonino, 08, 0T, 27, 28
 Markelin, L., 0H, 12
 Marra, F. P., 1F
 Martínez de Toda, F., 0S
 Martínez-Casasnovas, J. A., 0S
 Mastorocostas, Paris A., 1G
 Mathieu, Renaud, 0C
 Mhangara, P., 0B
 Miller, B., 03
 Miller, Michael J., xv
 Miura, N., 1D
 Moclán, C., 1I
 Molijn, Ramses A., 0V
 Morabito, David D., xv
 Morgan, Jennifer G., xv
 Mousivand, Ali, 0V
 Mugnai, Clio, 04
 Mustafa, Yaseen T., 0G
 Mutanga, O., 0B
 Mylonas, Stelios K., 1G
 Namikawa, Laércio M., 1C
 Neale, Christopher M. U., 0P
 Nie, Chenwei, 1Q
 Nikolakopoulos, Konstantinos G., 0I
 Nils, De Reus, 13
 Nogueira, Sandra F., 1Z
 Novelli, Antonio, 2B
 Nurminen, K., 12
 Odindi, J., 0B
 Osunmadewa, Babatunde A., 0F
 Palladino, Mario, 0T
 Peng, Zhiqing, 2F
 Pereira, Eric Oliveira, 05
 Pérez-Palazón, María José, 18
 Perfetti, Nicola, 28
 Petkov, A., 1S
 Pimentel, Rafael, 18
 Pirondini, F., 1I
 Polo, María José, 18
 Pölönen, I., 12
 Pospíšil, Jiří, 1X
 Puccio, Luigi, 28
 Puupponen, H.-H., 12
 Ramoelo, Abel, 0C
 Restaino, Rocco, 08
 Rocha, Carlos, 1A
 Roeder, William P., xv
 Romo, A., 1I
 Rosim, Sergio, 19, 1C
 Rossi, Lauro, 0J
 Rudari, Roberto, 0J
 Rühl, J., 1F
 Rybushkina, Galina, 22
 Shanmugam, S., 14
 Saari, H., 12
 Sano, Edson E., 1Z
 Scalise, A., 1S
 Sciortino, R., 1F
 Seibert, Marc A., xv
 Sepulcre-Cantó, G., 07
 Sermi, Francesco, 04
 Skidmore, Andrew K., 0C
 Somers, Ben, 10
 Soustova, Irina, 22
 Stavrakoudis, Dimitris G., 1G
 Steef, Peters, 13
 Štroner, Martin, 1X
 Tan, K. P., 1K
 Tarantino, Eufemia, 2B
 Teodoro, A. C., 15
 Teixeira, Antônio Heriberto de C., 0O, 0W, 1Z, 24, 2E
 Theocharis, John B., 1G
 Thiele-Bruhn, Sören, 1E
 Tits, Laurent, 10
 Topaloglou, Charalampos A., 1G
 Troitskaya, Yuliya, 22
 Udelhoven, Thomas, 1E
 Urbanski, S., 1S
 Van Beek, Jonathan, 10
 van de Ven, Robbert, 06
 van Opstal, J. D., 0P
 Victoria, Daniel de C., 0W, 1Z, 24
 Vivone, Gemine, 08
 Vogt, J., 07
 Vohland, Michael, 1E
 Wang, Haikou, 0D
 Wang, Yancang, 1N
 Wessollek, Christine, 0F
 Wilson, Jean, 1A
 Wold, C., 1S
 Xin, Xiaozhou, 23, 2F
 Xu, Xingang, 1Q
 Yang, Guijun, 1N, 1Q
 Yu, Shanshan, 23
 Zhang, Hailong, 23
 Zhou, Ti, 2F
 Zoran, Liviu Florin V., 1V
 Zoran, Maria A., 1V

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- 4 Utilization and Validation of RS Observations and Tools for Hydrology, Agriculture, and Flood Mapping and Modeling
Shahid Habib, NASA Goddard Space Flight Center (United States)
- 5 Energy Balance and Evapotranspiration I
Antonino Maltese, Università degli Studi di Palermo (Italy)
- 6 Energy Balance and Evapotranspiration II
Antonino Maltese, Università degli Studi di Palermo (Italy)
- 7 Crop Yield Monitoring
Christopher M. U. Neale, University of Nebraska Lincoln (United States)

- 8 High-Resolution Remote Sensing: Spatial and Spectral
Antonino Maltese, Università degli Studi di Palermo (Italy)
- 9 Water Resources I
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- 10 Water Resources II
Christopher M. U. Neale, University of Nebraska Lincoln (United States)
- 11 Surface Characterization
Antonino Maltese, Università degli Studi di Palermo (Italy)
- 12 Change Detection and Vegetation Monitoring
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Introduction

This proceedings volume contains papers presented during the conference on Remote Sensing for Agriculture, Ecosystems, and Hydrology. The conference was part of the International Symposium on Remote Sensing sponsored by SPIE. The symposium was held at the Amsterdam RAI Exhibition and Convention Centre, Amsterdam, Netherlands, 22–25 September 2014.

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. Approximately 48 oral and 19 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 12 sessions on Agriculture: Crop Yield Monitoring; Surface Characterization; Monitoring of Rangeland and Forests; Change Detection and Vegetation Monitoring; Microwave and Radar Applications; Thermal Infrared Remote Sensing; High-Resolution Remote Sensing: Spatial and Spectral. Hydrology: Energy Balance and Evapotranspiration (2) and Water Resources (2).

The technical session "Utilization and Validation of RS Observations and Tools for Hydrology, Agriculture, and Flood Mapping and Modelling", was included as a joint session of the 9239 Program. We extend our thanks to Dr. Shahid Habib, from NASA Goddard Space Flight Ctr. (United States) for organizing and chairing this session.

The poster presentations also had good representation from the above-mentioned themes. The presentations described both fundamental and applications-based research activities including modelling, laboratory and field experiments, and operational applications.

We extend our gratitude to Dr. Massimo Menenti of Technische Univ. Delft (Netherlands) for chairing one of the Sessions; and to Dr. Carmelo Cammalleri (European Commission Joint Research Ctr., Italy), Dr. Wim G.M. Bastiaanssen and Dr. Massimo Menenti of Technische Univ. Delft (Netherlands) for giving three invited presentations on important topics. Our appreciation and gratitude goes also 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 SPIE staff, and all the SPIE organizational staff for their support prior to, during

and after the symposium. We look forward to an even more successful conference in 2015.

Christopher M. U. Neale
Antonino Maltese