

1st Poster Session (Poseidon Hall) – Monday 9/7 15:30 – 16:30

- 1 Sharpening Sentinel-3 thermal images by fusing Sentinel-2 VIS/NIR imagery**
Hanna Huryna^{1,2}, Yafit Cohen², Arnon Karnieli¹, Natalya Panov¹, William Kustas³, Nurit Agam¹
1: Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Israel; 2: Institute of Agricultural Engineering, Agricultural Research Organization (ARO), Volcani Center, Israel; 3: Hydrology and Remote Sensing Laboratory, Agricultural Research Services, US Department of Agriculture, Maryland, USA
- 2 DIEGO – Dynamic Infrared Earth Observation on the ISS Orbit**
Johannes A. Schultz, Andreas Rienow
Department of Geography, Ruhr-University Bochum, Germany
- 3 The Impact of Sentinel-1 Imaging Parameters on the Ability to Automate the Water Range Detection**
Katarzyna Osińska-Skotak¹, Joanna Pluto-Kossakowska¹, Beata Weintrit^{1,2}, Helena Łoś¹, Justyna Kamoda¹
1: Warsaw University of Technology, Faculty of Geodesy and Cartography, Department of Photogrammetry, Remote Sensing and Spatial Information Systems, Poland; 2: Astri Polska Sp. z o.o., Poland
- 4 Use of Remote Sensing Data on Tamarix to Study Relief Dynamics of the Anapa Bay-bar**
Marina Krylenko¹, Viacheslav Krylenko¹, Sergey Krylenko²
1: Shirshov Institute of Oceanology RAS, Russian Federation; 2: Lomonosov Moscow State University, Russian Federation
- 5 Object-Based Image Classification for Buildings Extraction**
Arti Tiwari, Arnon Karnieli
Ben Gurion University of Negev, Israel
- 6 Digital images processing for dykes identification and mapping in the Asseo region "south central Hoggar" ALGERIA**
Oussama Benabbou, Ahmed Bennia, Lahsen Wahib Kébir
Centre des techniques spatiales Arzew Algeria
- 7 Selection of Optimal Time for Species Recognition with Use of Hyperspectral Imagery**
Aneta Modzelewska, Krzysztof Stereńczak, Agnieszka Kamińska
Forest Research Institute, Poland
- 8 Detection of Land Surface Temperature Patterns in Thuringia, Germany, Using Atmospherically Corrected FireBIRD/TET-1 Data**
Sarah Asam¹, Ursula Gessner¹, Rudolf Richter², Doris Klein¹, Christian Fischer³
1: German Aerospace Center (DLR), German Remote Sensing Data Center (DFD), Wessling, Germany; 2: German Aerospace Center (DLR), Remote Sensing Technology Institute (MF), Wessling, Germany; 3: German Aerospace Center (DLR), Institute of Optical Sensor Systems (OS), Berlin, Germany
- 9 Phenological Changes Reflected In Spectral Properties Of Invasive And Expansive Plant Species**
Anita Sabat-Tomala¹, Anna Jarocińska¹, Bogdan Zagajewski¹, Adrian Ochtyra¹, Łukasz Sławik^{1,2}, Jan Niedzielko², Adriana Marcinkowska-Ochtyra¹, Edwin Raczko¹, Andrzej Pasierbiński³, Katarzyna Bzdęga³, Barbara Tokarska-Guzik³
1: University of Warsaw, Faculty of Geography and Regional Studies, Poland; 2: MGGP Aero, Warsaw, Poland; 3: University of Silesia in Katowice, Faculty of Biology and Environmental Protection
- 10 The Efficiency of Crop Types Differentiation on Multitemporal Optical and Radar Data**
Joanna Pluto-Kossakowska, Przemysław Kupidura
Warsaw University of Technology, Poland
- 11 Linear Discriminant Analysis of spectral measurements for discrimination between healthy and infected trees of Olea europaea L. by Fomitiporia mediterranea**
Anhelina Zapolska¹, Chariton Kalaitzidis¹, Emmanouil Markakis², Chrysi Sergeantani³, Eleftherios Ligoxigakis², Georgios Koubouris³
1: Department of Geoinformation in Environmental Management, Mediterranean Agronomic Institute of Chania; 2: Laboratory of Mycology, Department of Viticulture, Vegetable Crops, Floriculture and Plant Health, Institute of Olive Tree, Subtropical Crops and Viticulture, Hellenic Agricultural Organization Demeter; 3: Laboratory of Olive Cultivation, Institute of Olive Tree, Subtropical Crops and Viticulture, Hellenic Agricultural Organization Demeter

2nd Poster Session (Poseidon Hall) – Tuesday 10/7 15:30 – 16:30

1 Separation of different broadleaf tree species using Sentinel-2 time series data in Central European forests

Manuela Hirschmugl, Klaus Granica, Janik Deutscher, Mathias Schardt
Joanneum Research, Austria

2 Monitoring Conservation Parameters of Natura 2000 Heathland Habitats with UAV-based Camera Systems

Kristin Fenske, Marion Stellmes, Bjoern Waske
Freie Universität Berlin, Germany

3 Using Archival Aerial Photos in the Assessment of Secondary Succession Process

Katarzyna Osinska-Skotak¹, Krzysztof Bakula¹, Łukasz Jełowicki¹, Dorota Michalska-Hejduk², Justyna Wylaziowska², Dominik Kopeć²

1: Warsaw University of Technology, Faculty of Geodesy and Cartography, Department of Photogrammetry, Remote Sensing and Spatial Information Systems, Poland; 2: University of Lodz, Department of Geobotany and Plant Ecology, Poland

4 Development Of Early Warning System To Identify Forest Fire Danger In Israel

Timea Ignat¹, Michael Sprintsin², Anatoly Gitelson³, Victor Alchanatis¹, Arnon Karnieli⁴

1: Agricultural Research Organization, the Volcani Center, Israel; 2: KKL-JNF's Forest Management and GIS Department; 3: Department of Civil and Environmental Engineering Technion; 4: Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev

5 Testing the Norway spruce needle age dependence of the relationships between leaf optical and biochemical traits and soil parameters in the GEOMON watersheds.

Zuzana Lhotáková¹, Eva Neuwirthová¹, Veronika Kopačková², Jana Albrechtová¹

1: Charles University, Czech Republic; 2: Czech Geological Survey, Czech Republic

6 Innovative Remote Sensing Education on the Reality-Virtuality-Continuum: Exploring Virtual and Augmented Reality for Future Use in Classrooms

Annette Ortwein, Henryk Hodam, Claudia Lindner, Johannes Schultz, Fabian Selg, Andreas Rienow
University of Bochum, Germany

7 Land Surface Temperature Retrieval of Agricultural Areas using Thermal and Multispectral Sensors mounted on a Fixed-Wing Drone

Sascha Heinemann^{1,2}, Johannes Schultz², Kai Wittneben¹, Javier Muro³, Bastian Siegmann¹, Christoph Jedmowski¹, Frank Thonfeld^{2,3}, Andreas Kemna⁴, Thomas Udelhoven⁵, Uwe Rascher^{1,3}

1: Forschungszentrum Jülich, Institute of Bio- and Geosciences, Plant Sciences, Germany; 2: University of Bonn, Remote Sensing Research Group, Germany; 3: Center for Remote Sensing of Land Surfaces (ZFL), Germany; 4: University of Bonn, Steinmann-Institut: Geophysics, Germany; 5: University of Trier, Environmental Remote Sensing and Geoinformatics, Germany

8 Scientific Applications in the Service of Humanitarian Demining in Croatia

Andrija Krtalec
Faculty of Geodesy University of Zagreb, Croatia

9 Forest monitoring and forest harvest estimating using RPAS

Karel Pavelka, Eva Matoušková, Karel Pavelka.jr.
Czech Technical University in Prague, FCE, Czech Republic

10 Education in Earth Observation for Bulgarian Secondary Schools

Lachezar Filchev¹, Ioannis Manakos², Kalliroti Marini², Rainer Reuter³, Garo Mardirossian¹, Dimitar Dimitrov⁴, Lubomira Kraleva¹, Tsveta Srebrova¹, Pencho Mihnev⁵

1: Department of Remote Sensing and GIS, Space Research and Technology Institute, Bulgarian Academy of Sciences, Bulgaria; 2: Information Technologies Institute of the Centre for Research and Technology Hellas, Greece; 3: OpticSense GmbH, Germany; 4: National Institute in Geophysics, Geodesy and Geography, Bulgaria; 5: Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski", Bulgaria

11 Canopy traits for assessment of vegetation function in different agro-ecosystems in SCERIN

Petya Campbell¹, Petr Lukes², Zuzana Lhotakova³, Lucie Kupkova³, Jana Albrechtova³

1: Joint Center for Earth Systems Technology, University of Maryland Baltimore County, NASA Goddard Space Flight Center; 2: Global Change Research Institute, Czech Academy of Sciences, Brno, Czech Republic; 3: Charles University, Faculty of Science, Czech Republic

12 The use of Copernicus data to support archeological research in the Eastern Mediterranean

Diofantos Hadjimitsis¹, Andreas Christofe¹, Athos Agapiou¹, Argyro Nisantzi¹, Marios Tzouvaras¹, Christiana Papoutsas¹, Christodoulos Mettas¹, Evagoras Evagorou¹, Kyriacos Themistocleous¹, Rosa Lasaponara², Nicola Masini³, Gunter Schreier⁴

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