

| LEO Day 2018 - Accepted Posters |            |             |                                                                                   |            |                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------|------------|-------------|-----------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | Last name  | First name  | Company                                                                           | Country    | Poster title                                                                                                                              | Co-authors                                                                                                                                                                                                                                                                                                                                                |
| 1                               | ABDELBAKI  | Asmaa       | Trier University                                                                  | Germany    | Estimation of biophysical plant properties in potato from Remote sensing data through inversion of a canopy reflectance model             | A. Abdelbaki, M. Schlerf, T. Udelhoven                                                                                                                                                                                                                                                                                                                    |
| 2                               | ABRAHA     | Kibrom Ebuy | University of Luxembourg                                                          | Luxembourg | Combined Processing of multi-GNSS Observations: Status, Benefits and Error Characteristics                                                | Kibrom Abraha, Norman Teferle, Addisu Hunegnaw                                                                                                                                                                                                                                                                                                            |
| 3                               | BACKES     | Dietmar     | University of Luxembourg                                                          | Luxembourg | NASA FDL 2017 – Lunar Resource                                                                                                            | Dietmar Backes, Eleni Bohacek,                                                                                                                                                                                                                                                                                                                            |
| 4                               | BACKES     | Dietmar     | University of Luxembourg                                                          | Luxembourg | On the Integration of Geospatial Data from Terrestrial, Airborne and Spaceborne Platforms                                                 | Dietmar Backes, Norman Teferle                                                                                                                                                                                                                                                                                                                            |
| 5                               | BAHR       | Thomas      | Harris Geospatial Solutions GmbH                                                  | Germany    | Analytics without Limits for the Sentinels                                                                                                | Damien Barache, Thomas Bahr                                                                                                                                                                                                                                                                                                                               |
| 6                               | BAHR       | Thomas      | Harris Geospatial Solutions GmbH                                                  | Germany    | Automated Image Analytics for Precision Farming                                                                                           | Thomas Bahr, Nicolai Holzer                                                                                                                                                                                                                                                                                                                               |
| 7                               | BUDDENBAUM | Henning     | University of Trier                                                               | Germany    | PROCOSINE-D inversions for very high spatial and temporal resolution retrieval of foliar biochemistry                                     |                                                                                                                                                                                                                                                                                                                                                           |
| 8                               | CLOSSON    | Damien      | GIM                                                                               | Belgium    | How satellite data will enable 5G roll-out in Belgium?                                                                                    | Caroline Heylen, Benoit Bertiaux, Bert Meeus, Gustaaf Vandeboel, Femke Faber, Jarrik Schaepherders, Damien Closson                                                                                                                                                                                                                                        |
| 9                               | CROI       | Willibald   | LuxSpace S.à.r.l                                                                  | Luxembourg | Quality assurance & control in LUCAS (Land Use / Cover Area statistical Survey)                                                           |                                                                                                                                                                                                                                                                                                                                                           |
| 10                              | CROI       | Willibald   | LuxSpace S.à.r.l                                                                  | Luxembourg | Copernicus Global Land High-Resolution Hot Spot Monitoring Service Validation and Accuracy Assessment Methodology                         | Hélène Augu, Heinz Gallaun, Gabriel Jaffrain, Andreas Brink, Zoltan Szantoi, Stefan Kleeschulte, Conrad Bielski, Anne-Cécile Capel, Irina Carlan, Willibald Croi                                                                                                                                                                                          |
| 11                              | DERAUW     | Dominique   | European Centre for Geodynamics and Seismology                                    | Luxembourg | Interferometric SAR coherence losses: an indicator of dynamic land cover changes                                                          | Dominique Derauw, Anne Orban                                                                                                                                                                                                                                                                                                                              |
| 12                              | DERAUW     | Dominique   | European Centre for Geodynamics and Seismology                                    | Luxembourg | Split-Band SAR and Split Band InSAR principle and applications                                                                            | Dominique Derauw, Murielle Kirkove, Ludivine Libert, Anne Orban, Nicolas d'Oreye                                                                                                                                                                                                                                                                          |
| 13                              | D'OREYE    | Nicolas     | National Museum of Natural History/European Center for Geodynamics and Seismology | Luxembourg | Combined used of Sentinel-1 and CosmoSkyMed SAR data for multi-dimensional detection and monitoring of landslides in South Kivu, DR Congo | Nicolas d'Oreye, Dominique Derauw, Sergey Samsonov, Antoine Dille, Adriano Nobile, Ludivine Libert, Elise Monsieurs                                                                                                                                                                                                                                       |
| 14                              | GONG       | Chizhang    | Universität Trier                                                                 | Germany    | PANTHEON - Precision Farming of Hazelnut Orchards                                                                                         | Chizhang Gong, Sebastian Lamprecht, Rebecca Retzlaff, Thomas Udelhoven, Valerio Cristofori, Stefano Speranza, Cristian Silvestri, Mario Contarini, Leonardo Varvaro, Andrea Gasparri, Emanuele Garone, Emanuele Graziani, Michele Pecchia, Laura Giustarini, Daniele Galli, Cristina Carletti, Giovanni Ulivi, Riccardo Torlone, Albino Frezza Alessandro |
| 15                              | IBRAHIM    | Elsy        |                                                                                   | Belgium    | RawMatCop: developing skills at the intersection between earth observation and the raw materials community                                | Louis Andreani, Elsy Ibrahim, Ignacio Marzan, Richard Gloaguen, Eric Pirard, José Fernández                                                                                                                                                                                                                                                               |
| 16                              | MOSER      | Simone      | LuxSpace S.à.r.l                                                                  | Luxembourg | TransparentSea - "from catch to plate"                                                                                                    |                                                                                                                                                                                                                                                                                                                                                           |

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| 17 | ROEDER     | Achim         | University of Trier                                                                   | Germany    | Assessment of transformation processes in dry tropical forests using the full Landsat archive and enhanced information products                         | Achim Röder, David Frantz, Anne Schneibel, Marion Stellmes, Joachim Hill                                                    |
| 18 | SKONECZNY  | Hubert        | Instytut Lotnictwa                                                                    | Poland     | HESOF - Evaluation of the health state of forests and an effect of phosphite treatments with the use of photovoltaic SLE UAV                            |                                                                                                                             |
| 19 | SMETS      | Benoît        | Royal Museum for Central Africa                                                       | Belgium    | Combining Satellite, Airborne and Ground-Based Remote Sensing Techniques to Study the Lava Lake Activity of Nyiragongo Volcano (North Kivu, D.R. Congo) | Benoît Smets, Nicolas d'Oreye, Dominique Derauw, François Kervyn                                                            |
| 20 | STEPHENNE  | Nathalie      | Service Public de Wallonie - Département de la Géomatique - Direction de la Géométrie | Belgium    | Earth Observation (EO) as part of the Geomatic Consultation in Wallonia                                                                                 | Nathalie Stéphenne, Emmanuel Jauquet, Eric Hallot, Benjamin Beaumont, Michel Stassart                                       |
| 21 | TEFERLE    | Norman        | University of Luxembourg                                                              | Luxembourg | A Global Navigation Satellite System Combined Solution for Earth Science Applications                                                                   | Addisu Hunegnaw, Norman Teferle, Kibrom Abraha                                                                              |
| 22 | TEFERLE    | Norman        | University of Luxembourg                                                              | Luxembourg | Remote Sensing of the Atmosphere using Global Navigation Satellite System Observations                                                                  | Norman Teferle, Furqan Ahmed, Wenwu Ding, Anna Klos, Addisu Hunegnaw, Kibrom Abraha                                         |
| 23 | BOSSUNG    | Christian     | Luxembourg Institute of Science and Technology                                        | Luxembourg | Mapping of biophysical crop variables using Sentinel-2 data and a PROSAIL inversion scheme                                                              | Christian Bossung, Miriam Machwitz, Adrien Petitjean, Martin Schlerf                                                        |
| 24 | DI MAURO   | Concetta      | Luxembourg Institute of Science and Technology                                        | Luxembourg | Assimilation of satellite Earth Observation-derived flood extent maps into a hydraulic model                                                            | Concetta Di Mauro, Prof. Günter Blöschl, Patrick Matgen, Renaud Hostache                                                    |
| 25 | PALATTELLA | Maria Rita    | Luxembourg Institute of Science and Technology                                        | Luxembourg | IoT Application Protocols Optimization for M2M-SAT Integrated Networks                                                                                  | Maria Rita Palattella, Ridha Soua, Domenico Giotti                                                                          |
| 26 | PELICH     | Ramona        | Luxembourg Institute of Science and Technology                                        | Luxembourg | Sentinel-1 dual-polarimetric capabilities for ship detection                                                                                            | Ramona Pelich, Carlos Lopez-Martinez, Marco Chini, Renaud Hostache, Patrick Matgen, Philippe Ries, Miguel Nuevo, Gerd Eiden |
| 27 | PELICH     | Ramona        | Luxembourg Institute of Science and Technology                                        | Luxembourg | SAR-based applications developed at LIST                                                                                                                |                                                                                                                             |
| 28 | WANDERA    | Loise Nangira | Luxembourg Institute of Science and Technology                                        | Luxembourg | MAPPING WETLAND EVAPOTRANSPIRATION USING EARTH OBSERVATION AND SIMULATION                                                                               | Loise Wandera, Kaniska Mallick                                                                                              |
| 29 | ZHAO       | Jie           | Luxembourg Institute of Science and Technology                                        | Luxembourg | The influence of the incidence angle on backscattering values for SAR-based flood mapping                                                               | Jie Zhao, Marco Chini, Ramona Pelich, Renaud Hostache, Patrick Matgen, Wolfgang Wagner                                      |