GeoUAV, 1-2 October 2015, La Grande Motte

List of extended abstracts accepted on June 1st for oral presentation

- Coastal digital surface model on low contrast images. Ana-Maria Rosu, Michel Assenbaum, Ywenn De La Torre and Marc Pierrot-Deseilligny.
- Automated georeferencing and color correction of orthomosaics. Thorsten Behrens, Karsten Schmidt and Jerome Perin.
- Restoration geotechniques for removal motion blur from remote sensing imagery. Essam Hamza.
- Height accuracy based on different RTK GPS methods for ultra-light aircraft images. Khairel Nizam Tahar.
- Real-time 3D reconstruction from images taken from an UAV. Andrea Zingoni, Marco Diani, Giovanni Corsini and Andrea Masini.
- UAV application in coastal environment, exemple of the Oleron Island for dunes and dike survey. Guillot Benoît and Pouget Frédéric.
- Implementation of real-time functionalities in the hardware of an intelligent ultra-light camera specialized for aerial photography. Ahmad Audi, Marc Pierrot-Deseilligny, Christophe Meynard and Christian Thom.
- Accuracy test of a miniaturized thermal infrared camera to be carried on board UAVs. David Gómez Candón, Jean Pierre Lagouarde, Mark Irvine and Sylvain Labbé.
- UAV-borne thermal imaging for forest health monitoring: Detection of disease induced canopy temperature increase. Magdalena Smigaj, Rachel Gaulton, Stuart Barr and Juan Suarez.
- Hippos jigsaw: Algorithm for automatic counts of animals with infra-red thermal imagery from UAV. Simon Lhoest, Julie Linchant, Samuel Quevauvillers, Cédric Vermeulen and Philippe Lejeune.
- Towards a new architecture for autonomous data collection. Tullio Tanzi, Yves Roudier and Ludovic Aprville.
- UAV Data Processing for Rapid Mapping Activities. Winhard Tampubolon and Wolfgang Reinhardt.
- WiMUAS: Developing a tool to review wildlife data from various UAS flight plans. Julie Linchant, Simon Lhoest, Samuel Quevauvillers, Jean Semeki, Philippe Lejeune and Cédric Vermeulen.
- Photogrammetry survey with a UAV and a long distance laser total station on an abandoned quarry. Henri Borreil and Christophe Puerto.
- Georeferencing of hot spots onto solar panels for inspection purpose. Diane Michalon and Yoann Jobard.
Comparing ICESat/GLAS based elevation heights with photogrammetric terrain heights from UAV-imagery on East Tibetan Plateau. Fabian Enßle, Andreas Fritz and Barbara Koch.

Unmanned aerial vehicles for pre-harvest biomass estimation in willow (Salix spp.) coppice plantations. Rachel Gaulton and James Taylor.


Use of very high resolution airborne images to analyse 3D canopy architecture of a vineyard. Stephane Burgos, Matteo Mota, Dorothee Noll and Bertrand Cannelle.

Dedicated payloads for low altitude remote sensing in natural environments. Laurent Beaudoin, Loïca Avanthey, Antoine Gademer, Michel Roux and Jean-Paul Rudant.

Optimizing channel weights for digital surface models with snow coverage. Ruedi Boesch, Yves Bühler, Christian Ginzler, Marc Adams, Reinhard Fromm and Armin Graf.