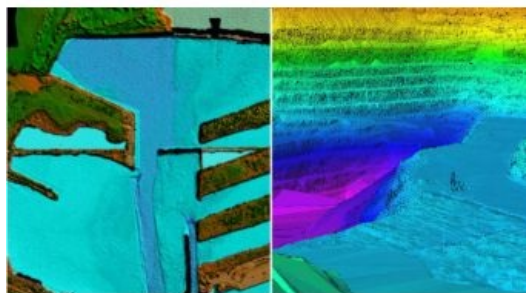


New Airborne Lidar Markets for Optech Titan at ELMF 2014



Optech is introducing the Optech Titan multispectral lidar sensor to the survey and mapping industries at the European Lidar Mapping Forum in Amsterdam, to be held from 8-10 December 2014. Experience the beginning of a new era in active sensing that will dramatically expand what is possible with Lidar. Dr. Paul LaRocque, Optech's VP of Advanced Technology, will present the first results as a co-author in the paper "A New Multi-Wavelength Lidar for 3D Land Classification & Coastal Bathymetry".

Attendees will learn how users of a multispectral lidar like [Titan](#) can automatically and accurately classify target materials by comparing the relative intensity returns from each of three active imaging channels. With this capability, Titan expands what is possible in existing and future applications, including environmental modeling, 3D land cover classification, forest inventories, disaster management, and even target recognition. Dr. LaRocque will also present the preliminary results from Titan's shallow water bathymetry capabilities, showing how Titan can seamlessly collect and differentiate both land and water features by leveraging Optech's new water attenuation correction algorithms in our Lidar Mapping Suite (LMS) and AquaDX software.

Meanwhile, Optech's Dr. Joong Yong Park will be presenting a new way to baseline lidar bathymetry performance in his technical workshop titled "How Can Airborne Bathymetric Lidar Systems Be Compared?" Traditional field tests have difficulty comparing lidar bathymeters because depth performance varies so widely in different water conditions. Attendees to Dr. Park's presentation will learn how they can calculate the theoretical performance of a lidar based solely on its sub-system performance specifications, such as laser pulse power, receiver pupil area, and optical filter bandwidth, with an example based on Optech's industry-leading Coastal Zone Mapping and Imaging Lidar (CZMIL). Educate yourself in the true performance differences of bathymetric lidars by attending Dr. Park's workshop in rooms 8 and 9 on Tuesday 9 December.

Visitors can learn more about Titan and CZMIL at Optech booth 313, where staff will also have information about the newly released Optech Galaxy, an ultra-compact, high-performance airborne lidar sensor capable of superior performance in all application spaces. Since Galaxy's official release at INTERGEO 2014 in October, Optech has already received orders from excited clients, with a high level of inquiries. Galaxy provides a 550kHz pulse repetition frequency from an ultra-compact installation footprint, and makes high-density, seamless surveying of rugged terrain effortless with its integrated PulseTRAK technology.

Image: CZMIL TopoBathy examples.