

Multi-spectral Lidar Bathymetry Field Tests Report



Teledyne Optech, Canada, is to present at the Fall Meeting of the American Geophysical Union (AGU) in San Francisco on 14-18 December 2015. The display at the Poster Session from 1:40 to 6:00 pm in the Poster Hall shows some of the latest results of the Optech Titan multispectral Lidar for target classification and shallow-water bathymetry.

The poster presentation titled *New, Flexible Applications with the Multispectral Titan Airborne Lidar* (# EP23A-0940) will showcase some new developments for the [Teledyne Optech Titan](#). This includes a new pixel-based approach to target classification, which uses Titan's three laser channels to divide targets into four classes (buildings, trees, roads and grass) with 94% accuracy. The Titan's bathymetry performance has also met and exceeded its predicted depth penetration in clear water, with field tests in Canada showing

depth measurements down to 23m below the water surface. These results break open new applications for multispectral airborne Lidar, including coastal/inland water mapping, environmental modelling, and natural resource management.

[Teledyne Optech](#) is at Stand #1206 showcasing the flexible [Titan](#) or any of [Teledyne Optech](#)'s airborne or ground-based high-accuracy Lidar systems.