

Bathymetric Solutions Presented at OI China



Senior scientist Dr. Viktor Feygels will make a presentation on performing Lidar bathymetry in difficult water conditions with the Optech CZMIL Nova at the Oceanology International China (OI China) 2015 Conference and Exhibition, which will take place in Shanghai from 3-5 November 2015. The presentation, titled 'Airborne Lidar Surveys in the China Region: Society Requests and Prospective Results', will examine the use of airborne oceanographic Lidar like the Optech CZMIL Nova for transportation safety, navigation, sea fishing and other industries.

Dr. Feygels will show how [CZMIL](#)'s high-energy laser, short system response function, increased receiver sensitivity, and high point density enable it to penetrate deep into the Asia-Pacific region's turbid waters in all seasons. Finally, Dr. Feygels will delve into

CZMIL's more complex deliverables, and show how authorities and enterprises can use it to map foreshore erosion, bio-productivity of aquatories, bottom habitat states, and more. This presentation will take place at the Ocean Observing & Instrumentation session on 4 November.

At booth B70, interested groups can learn how they can lease the system through the CZMIL Project Programme to take advantage of these abilities themselves. While several government agencies have purchased their own CZMIL systems, the Project Programme makes the system available even to mid-sized companies on a project basis, along with its award-winning Optech HydroFusion software workflow. Companies that want to have their own Lidar bathymeter can also consider the [Optech Titan](#) multispectral Lidar. On land, this topo/bathy system employs three laser channels (two infrared and one green) to create extremely dense multispectral point clouds, while as a bathymeter it measures depths greater than 20 metres in clear waters, providing flexibility for all survey projects.