

Teledyne Optech Contributing to The Ocean Cleanup



Teledyne Optech's Chief Scientist Dr Viktor Feygels will be presenting at Oceans 17 MTS/IEEE in Anchorage, Alaska from 18-21 September 2017 the results from Optech CZMIL Coastal Zone Mapping and Imaging Lidar's survey of the Great Pacific Garbage Patch, a large concentration of plastic debris covering hundreds of thousands of square kilometres in the north Pacific.

Dr. Feygel's presentation, co-written with members of Teledyne Optech's Marine group and in collaboration with Julia Reisser of The Ocean Cleanup Foundation and Yuri Kopilevich of ITMO University, is titled "Coastal Zone Mapping and Imaging Lidar (CZMIL) Participation in The Ocean Cleanup's Aerial Expedition Project". During the presentation, Dr. Feygels will show how the CZMIL flew hundreds of kilometers to create the first-ever

aerial lidar and shortwave infrared survey of the Patch. By counting the number of large pieces of debris and calculating their 3D volume, CZMIL is helping The Ocean Cleanup team to estimate the total weight of the items in the Patch. This provides critical intelligence for designing the equipment that The Ocean Cleanup team plans to use to remove the debris from the Pacific Ocean. By deploying Teledyne Optech's multi-sensor CZMIL Lidar system and algorithms for this project, the Aerial Expedition takes an important step on the long path to cleaner oceans.

Visitors interested in the use of lidar for environmental analysis and other applications can catch this presentation during the Imaging and Vision 3 session at 2:50 pm on Thursday, 21 September in the Tikahtnu Ballroom D.

<https://www.hydro-international.com/content/news/teledyne-optech-contributing-to-the-ocean-cleanup>
