

Topo-Bathymetric Lidar Workshop Tuesday, March 3, 2015



NSCC'S Applied Geomatics Research Group will be hosting a **Free** 1-day workshop: **"The Results of the Topo-bathymetric lidar missions"** At the Baronet Ballroom, **Delta Halifax**, 1990 Barrington St., Halifax, NS **On Tuesday, March 3: 9:00 am – 4:00 pm** Complimentary Lunch & Refreshments

Using NSCC's new Chiroptera II sensor, researchers from NSCC's AGRG along with several project partners conducted the first Topo-bathymetric lidar missions in September 2014. AGRG partnered with Leading Edge Geomatics for the airborne operations to survey nine study areas across Nova Scotia & New Brunswick testing a variety of applications in coastal and freshwater environments. We invite you to join us as we present the results of the missions and the benefits of this technology.

Agenda

9:00-9:15 am Welcome by Dr. Wayne St Amour, Exec. Director of NSCC Innovation & Entrepreneurship
9:15-9:45 am Introduction and overview of the CFI research equipment, partners, and research mission objectives – Dr. Tim Webster AGRG, NSCC
9:45-10:00 am Mission Planning – Nathan Crowell, AGRG, NSCC
10:00-10:15 am Refreshment Break
10:15-10:45 am Field deployment planning (GPS, weather, in-situ sampling, water clarity) Kate Collins and Candace MacDonald, AGRG, NSCC
10:45-11:15 am Lidar processing – Kevin McGuigan, AGRG, NSCC
11:15-11:30 am Leica RCD30 aerial photography to orthophoto mosaic processing – Nathan Crowell, AGRG, NSCC
11:30-noon Little Harbour & Cape John Case Study – Dr. Tim Webster, AGRG, NSCC
Noon-1:00 pm Networking and Lunch provided
1:00-1:20 pm Sable Island Case Study – David Colville, AGRG, NSCC
1:20- 1:40 pm La Dune de Bouctouche Case Study - Bill Kidman, Leading Edge Geomatics
1:40-2:10 pm Tabusintac & Cocange Eelgrass Case Study – Kevin McGuigan, AGRG, NSCC
2:10-2:35 pm Isle Madame World Tanker Safety – Nathan Crowell, AGRG, NSCC
2:35-2:45 pm NSERC Applied Research & Development (ARD) projects - Dr. Tim Webster
2:45-3:00 pm Halifax Water - Bennery Lake - Candace MacDonald, AGRG, NSCC
3:00-3:15 pm Stantec Consulting – Lake Banook - Kate Collins, AGRG, NSCC
3:15-3:30 pm Refreshment Break
3:30-4:00 pm Anders Ekelund AHAB Leica GeoSystems Sweden – R&D developments for Topo-Bathymetric lidar
4:00 pm Closing remarks and adjourn – Dr. Tim Webster, AGRG, NSCC

Please RSVP, we have a limited space!

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