On September 26th-28th, 2016 the University of Malta (Marine Geology and Seafloor Surveying) is hosting a HYPACK®/HYSWEEP® Multibeam and LIDAR hands on training course at their Valletta Campus. This training will be organized by HYPACK and GBT Offshore. The three day Multibeam course will concentrate on HYPACK® and HYSWEEP® multibeam applications. Multibeam and Laser demonstrations will be conducted on board of the Malta Maritime Authority’s vessel.

This class is limited to 20 people and runs from 8:30—17:00.

Registration

$799 Per Person

Participation is limited to 20 people.

Location

University of Malta, Valletta Campus

Old University Building
St Paul’s Street, Valletta VLT1216

Hotel

It is important to remember to use HYPACK as reference and inform the hotel that this is a University of Malta event. It would be wise to copy conferences@um.edu.mt on any emails when booking the hotel. This way if there are any issues we can help.

British Hotel
**Within walking distance from course venue

Address: Battery Street, Valletta
Email: info@britishhotel.com

- Prices range from 85E per night to 115E per night.

Kennedy Nova Hotel

Address: 116 The Strand, Sliema
Email: sales@kennedynova.com

- Prices range from 82E per night to 134E per night.
Multibeam Course Description

- HYPACK® 2016 overview; changes to the program & Whats new?
- HYPACK – Survey preparation: Hardware, Geodesy, Editors
- HYPACK® and HYSWEEP® survey
  - Running Multibeam and Lidar systems
- Processing and Final Products
- Multibeam Processing, including:
  - Running a Patch and Performance Test
  - Introduction of the WOBBLE tool
  - Processing LIDAR data
- Displaying the data in TIN model
- Data processing with HYSCAN and Geocoder for backscatter data sets
- Final product production using TIN Model, and 3DTV
- Data processing with MBMAX64, CUBE, and CLOUD

<table>
<thead>
<tr>
<th>Time</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
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</thead>
<tbody>
<tr>
<td>8:30—10:00</td>
<td>HYPACK® 2016 OVERVIEW</td>
<td>GETTING READY FOR PROCESSING: SOUND VELOCITY AND TIDES, MBMAX OVERVIEW</td>
<td>MBMAX PROCESSING—USING DATA COLLECTION FROM PREVIOUS DAY</td>
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<td>10:00—10:30</td>
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<tr>
<td>10:30—12:00</td>
<td>MULTIBEAM THEORY</td>
<td>PATCH TEST AND PERFORMANCE TESTS</td>
<td>MBMAX PROCESSING—PROCESSING</td>
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<td>12:00—13:30</td>
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<tr>
<td>13:30—15:00</td>
<td>MULTIBEAM HARDWARE SYSTEMS AND BOAT SET-UP</td>
<td>BOAT: DATA COLLECTION</td>
<td>SIDESCAN PROCESSING (BACKSCATTER, SNIPPET, INTENSITY)</td>
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<tr>
<td>15:00—15:30</td>
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<tr>
<td>15:30—17:00</td>
<td>HYPACK AND HYSWEEP SURVEY</td>
<td>BOAT: DATA COLLECTION</td>
<td>FINAL PRODUCTS—TIN MODEL, HYPLIT</td>
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</tbody>
</table>

- A HYPACK® Key will be provided for the duration of the training for all attendees.
Name(s) ______________________________________________________
Organization: __________________________________________________
Address: ______________________________________________________
City: _________________ State/Province_________ Postal Code: ________
Country: _______________________________________________________________
Telephone: _____________________________________________________________
Fax: _____________________________ E-mail:________________________________

Please check the following below:
I would like to attend the Multibeam Course for ($799 per person) _____

PAYMENT INFORMATION:
Credit Card type (MC, VISA, or American Express)________________________________________
Name on Credit Card________________________________________________________________
Credit Card Number_______________________Exp.Date_________Three digit code_____________
Billing Postal Code___________________________________
Authorized Signature__________________________________

Please return registration to:
HYPACK
56 Bradley St. Middletown, CT 06457 USA
Phone: (860) 635-1500
Fax: (860) 635-1522
Email: Training@hypack.com