

# Seabed Acoustics

Rostock, November 09 – 10, 2017



## Thursday, 09.11.2017

- 08:30     **Registration**
- 09:25     **Welcome / Opening**
- 09:30     **Greetings from BSH  
Open Data Policy**  
Thomas Dehling (*Federal Maritime and Hydrographic Agency, Germany*)
- 09:55     **Geophysical survey results from Bjørnafjorden (West Norway) – an attempt to summarize 770 km of sub-bottom data in an 18 km<sup>2</sup> area**  
Elise Soyland (*DOF Subsea, Norway*)
- 10:20     **High speed, high resolution seismic in windfarm sites**  
Robin Dymind (*Clinton Marine Survey, Sweden*)
- 10:45     **Tea / Coffee**
- 11:25     **Interaction between unstable vertical salinity gradients and the formation of fluid mud in the Ems estuary**  
Christian Maushake (*Federal Waterways Engineering and Research Institute, Germany*)
- 11:50     **Innomar SES-2000 compact integration to an autonomous surface vehicle and application for marine site characterisation**  
Laurent Jaunet (*Fugro GB Marine, UK*)
- 12:15     **Using Innomar SES-2000 SBP to unlock the Holocene history of Cambodia's Great Lake – the Tonle Sap**  
Jim Best (*University of Illinois, USA*)
- 12:40     **Lunch Buffet**
- 14:10     **Research of Underwater Cultural Heritage using Innomar SES-2000 SBP**  
Kim Young-Hyun (*Geoview, Korea*)
- 14:35     **Ultra-high resolution 3D sub-bottom imaging for archaeological studies: results from different case studies in the southern North Sea**  
Tine Missiaen (*VLIZ - Flanders Marine Institute, Belgium*)
- 15:00     **Pinging against the state-of-the-art**  
Jens Schneider von Deimling (*University of Kiel, Germany*)
- 15:25     **Quantitative SBP assessment of sediment cover and material types of shallow buried archaeological artefacts**  
Trevor Winton (*Flinders University, Australia*)
- 15:50     **Tea / Coffee**
- 16:20     **Surveys with the Innomar SES-2000 parametric sub-bottom profilers in 2016 – 2017 in Atlantic and Arctic Oceans**  
Oleg Levchenko (*P.P. Shirshov Institute of Oceanology RAS Moscow, Russia*)
- 16:45     **Reconstruction of the Paleolandscape in the East Frisian Wadden Sea – First results from the Innomar sub-bottom data of the WASA project**  
Alexander Bartholomä (*Senckenberg Institute Wilhelmshaven, Germany*)

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- 17:10 **Winning Innomar student research project:**  
"Parametric echosounder SES-2000 compact measurements of reflections from buried object sounding pulses - their recognizability and visualization"  
Wojciech Szymczak (*Polish Naval Academy, Poland*)
- 17:35 **Introduction to the products shown in the foyer and during the equipment demo on Friday**  
*MBT: Reson Seabat T50-P, Septentrio AsteRX/ ObeLx, SBG Apogee, Qinsy terra4:VM Signature1000 - Nortek's new Vessel mounted ADCP*  
*Baltic Taucher: International subsea contractor, specialized ROV surveys, UXO clearance*  
*INNOMAR: New developments, Product launch of SES-2000 smart*
- 18:10 **Closing**
- 19:45 **Dinner**

## Friday, 10.11.2017

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|---|-----------------------------------|
| <p>10:00-11:30 <b>GROUP A</b></p> <p><b>Equipment Demo – Passenger Ship “Warnow Star”</b><br/>Innomar SES-2000 <i>smart</i> and SES-2000 <i>medium-100</i> sub-bottom profilers<br/>Reson SeaBat T50-P multi-beam echo sounder<br/>Septentrio AsteRx-U, ObeLx-R GNSS systems and Veripos correction services<br/>SBG Apogee INS/GNSS system</p> | <p>12:00-13:30 <b>GROUP B</b></p> |
| <p>10:00-11:30 <b>GROUP B</b></p> <p><b>Workshop – Hotel Neptun</b><br/>Latest developments at Innomar<br/>Product launch of Innomar SES-2000 <i>smart</i> SBP<br/>Inside into new ISE Version 3 processing software</p>  | <p>12:00-13:30 <b>GROUP A</b></p> |
| <p>14:00 <b>End of 8<sup>th</sup> Workshop “Seabed Acoustics”</b></p>   |                                   |

