



## Thursday, 19.11.2015

- 08:45      **Registration**
- 09:30      **Welcome / Opening**
- 09:35      **Greetings from BSH**  
**Current hydrographic projects at BSH**  
Thomas Dehling (*Federal Maritime and Hydrographic Agency, Germany*)
- 10:00      **Applications of sub-bottom profiling for the planning and execution of dredging works**  
Roel Nagtegaal (*Van Oord N.V., The Netherlands*)
- 10:25      **Boskalis creating new horizons with SES-2000**  
Sjoerd van den Brom, Ijves Wesselman (*Royal Boskalis Westminster N.V., The Netherlands*)
- 10:50      **Tea / Coffee**
- 11:20      **Mapping the Lake Bed Topography and the Mud Layer of the Steppe Lake Neusiedl**  
Dr. Erwin Heine (*University of Natural Resources and Applied Life Sciences Vienna, Austria*)
- 11:45      **The Bottoms on top - exploring lacustrine deposits on the Tibetan Plateau**  
Dr. Thomas Kasper (*University of Jena, Germany*)
- 12:10      **Combing SES and ADCP to measure mud transport processes in tide-controlled estuaries**  
Dr. Marius Becker (*University of Bremen, Germany*)
- 12:35      **Lunch Buffet**
- 14:15      **Hazard identification in different marine settings using sub-bottom profiler, multi-beam echo sounder and backscatter data**  
Dr. Klaus Michels (*Fugro OSAE, Germany*)
- 14:40      **Geo-acoustic modelling of late and postglacial sedimentary sequences in the Baltic Sea and their acoustic visibility**  
Michael Endler (*Leibniz Institute for Baltic Sea Research IOW, Germany*)
- 15:05      **2D and 3D acoustic investigation of a submerged archaeological site near Ostend, Belgium**  
Dr. Tine Missiaen (*University of Ghent, Belgium*)
- 15:30      **Tea / Coffee**
- 16:00      **Four student research projects with application of SES-2000 compact sub-bottom profiler system**  
(*University of Murcia, Spain; University of Kiel, Germany; Croatian Geological Survey, Croatia; University of Hamburg, Germany*)
- 16:10      **Winning student research project:**  
**Acoustic classification of fine-scale sediment variability and interconnection with benthic habitats of the Eckernförde Bay, Kiel**  
Evangelos Alevizos (*Christian-Albrechts-University Kiel, Germany*)



- 16:35      **Integrated Hydroacoustic Sensor Suites with ELAC SeaBeam MBES and Innomar SBP**  
Dr. Christian Zwanzig (*Wärtsilä ELAC Nautik GmbH*)
- 17:00      **Introduction to the products shown during the live demonstration**  
Anders Pedersen (*Teledyne Reson*): *T50-P MBES*  
Richard Hill (*QPS*): *QPS Qimera - an evolution in hydrographic data processing*  
Raphaël Siryani (*SBG Systems*): *Apogee - highly accurate INS/GNSS*  
Dr. Jens Wunderlich (*Innomar Technologie GmbH*): *New and updated products*
- 18:00      **Closing**
- 19:30      **Dinner**

## Friday, 20.11.2015

- 10:00      **Passenger Ship “Warnow Star”**  
**Live demonstration of products at sea**
- Innomar SES-2000 USV with integrated sub-bottom profiler
  - Innomar SES-2000 medium pole mounted sub-bottom profiler
  - Innomar ISE post-processing software
  - Teledyne Reson T50-P Multi-Beam Echo Sounder
  - QPS Qimera hydrographic data processing software
  - SBG Systems Apogee: highly accurate INS/GNSS
- 14:00      **End of demonstration**

