



Nortek summer seminars

# Programme

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- Date:** 13-15th of June 2016  
**Time:** 09:00 - 16:00  
**Place:** Nortek HQ, Vangkroken 2, 1351 Rud
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Monday June 13th

PROGRAMME

## **Underwater navigation and Nortek DVL performance**

The Nortek Navigation Day will focus on experiences, methods and innovations on all aspects of navigating underwater vehicles. Experienced users from both the academic and industrial communities will discuss the state-of-the-art for subsea navigation and help set a roadmap for future requirements for navigation. Navigation Day will include a mix of presentations and round table discussions that address experiences, methods and boundaries to improving navigation.

### **Topics include:**

- Measuring long-term accuracy of navigation solutions
- Tighter integration of DVL-INS solutions
- Figure of Merit weighting functions
- Performance testing on small AUV and ROV platforms

### **Confirmed speakers:**

#### **Øyvind Hegrenæs, PhD**

Principal Engineer R&D, Navigation  
Kongsberg Maritime Subsea - Marine Robotics

#### **Stein Melvær Nornes**

PhD Candidate.  
Norwegian University of Science and Technology (NTNU)

#### **Fredrik Dukan, PhD**

CTO  
Norwegian Subsea

#### **Kenneth Leverskjær**

Project Manager  
iSURVEY

Tuesday June 14th

PROGRAMME

## Application areas and performance aspects of Nortek Signature ADCPs

The Nortek Signature ADCP day will be an excellent opportunity to gain insight into the capabilities of Nortek's new series of current profilers. Never before have the application areas been so many, and never before have the ADCP tools been so powerful and flexible. Now you have the chance, not only to read the brochures and meet the sales people, but to learn from those who developed these groundbreaking instruments. The seminar will be a mixture of user presentations, instructive lessons by Nortek personnel, and hands on training.

If you ever consider using a Signature ADCP this is your chance to make the most of it.

### Topics include:

- AD2CP - the concept of multi-functional ADCPs
- Online systems in noisy environments
- OA/QC and data processing of very large data files
- Orientation measurements in moving environments
- High resolution data
- Wave measurements from subsurface buoys

The presentation will be given by Nortek development engineers.

Wednesday June 15th

PROGRAMME

## **Underwater tidal turbines: Technical challenges, site surveys, and online monitoring**

Participants in the Nortek Tidal Power day will have the chance to interact with key people in the tidal community, and to get a deeper insight in matters relating to flow in and around the turbines, and to forces acting on these. Six-high profile invited speakers will give presentations related to these matters, and in addition there will be presentations from the industry.

### **Confirmed speakers:**

#### **Jim Thomson, PhD**

Principal Oceanographer  
Applied Physics Lab  
University of Washington

#### **Dr.-Ing. Ralf Starzmann**

Sales Director & Head of Hydrodynamics  
SCHOTTEL HYDRO GmbH

#### **Charlotte O'Kelly**

Managing Director  
TechWorks Marine Ltd.

#### **T. H. Clark PhD, M.Eng.**

Director  
Ocean Array Systems

#### **Brian Sellar, PhD**

Research Fellow  
University of Edinburgh

#### **Alex Hay, PhD**

Professor  
Dalhousie University

### **Wednesday after hours: "Nortek Jazz by Night"**