



# **NORTEK Pulse-Coherent-Symposium**

**22 and 23 October 2015**

Achat Plaza Karlsruhe  
Mendelssohnplatz  
76131 Karlsruhe  
Germany

and

BAW Karlsruhe  
(Federal Waterways Engineering and Research Institute)  
Hydraulic Engineering Laboratory  
Kußmaulstrasse 17  
76187 Karlsruhe

Wednesday, 21 October: Achat Plaza Karlsruhe

**20:30**

**Icebreaker Meeting  
at the bar of the Achat Plaza**

# NORTEK Pulse-Coherent-Symposium 2015 – 22 and 23 October 2015

Thursday, 22 October: Achat Plaza Karlsruhe

<b>08:00 - 08:30</b>	<b>Registration and Information</b>
08:30 - 09:00	Herman Huitema, <u>Nortek BV</u> ; Ramsay Lind, <u>Nortek UK</u> ; Carsten Wirtz, <u>terra4 GmbH</u> : <i>Welcome and Introduction about Pulse-Coherent-Systems</i>
09:00 - 09:30	Robert Craig, <u>Nortek Scientific</u> : <i>Getting the most from the Vectrino Profiler</i>
09:30 - 10:00	Robert Thomas et al., <u>School of Earth &amp; Environment, University of Leeds, University of Leeds</u> : <i>Field and laboratory deployment of multiple Nortek Vectrino Profilers over four years: experiences, problems and solutions</i>
10:00 - 10:30	Diana Duma, <u>HECE (Hydraulics in Environmental and Civil Engineering), University of Liège</u> : <i>Velocity and turbulence measurements: A comparison between UVP and ADVP devices</i>
<b>10:30 - 11:00</b>	<b>Coffee Break</b>
11:00 - 11:30	Christian Noß, <u>Institute for Environmental Sciences, University of Koblenz-Landau</u> : <i>Flow and Turbulence above Soft and Rigid Boundaries Measured by the Vectrino Profiler and PIV</i>
11:30 - 12:00	Andreas Brand, <u>Department Surface Waters - Research and Management, Eawag/ETH</u> : <i>Measurements close to the sediment-water interface using the Vectrino Profiler – lessons learned in lab and field</i>
12:00 - 12:30	Atle Lohrmann, <u>Nortek AS</u> : <i>Calibration of the Vectrino Profiler</i>
<b>12:30 - 13:30</b>	<b>Lunch</b>

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Thursday, 22 October: Achat Plaza Karlsruhe

13:30 - 14:00	Stephan Creëlle, Laurent Schindfessel, <u>Hydraulics Laboratory, Civil Engineering Department, Ghent University</u> : <i>Application of a Vectrino Profiler to a laboratory confluence</i>
14:00 - 14:30	Thorsten Hüsener, BAW - <u>Federal Waterways Engineering and Research Institute</u> : <i>Scale model study on hydraulic effects on the backfilling of scour around groyne heads</i>
14:30 - 15:00	Björn Elsässer, <u>School of Planning, Architecture and Civil Engineering, Queen's University Belfast</u> : <i>Current and Turbulence Measurement with Collocated Instruments in a Tidal Environment</i>
<b>15:00 - 15:30</b>	<b>Coffee Break</b>
15:30 - 16:00	Daphne Donis, <u>Institute F.-A. Forel, Faculty of Science, University of Geneva</u> : <i>Flux measurements by eddy covariance using the Nortek Vector: from abyssal planes to sandy beaches</i>
16:00 - 16:30	Herman Huitema, <u>Nortek BV</u> : <i>The Vector with internal IMU sensor</i>
16:30 - 17:00	Atle Lohrmann, <u>Nortek AS</u> : <i>AD2CP: A multi-functional step beyond ADCPs</i>
<b>19:30</b>	<b>Symposium Dinner:</b>  Schlosscafé Karlsruhe, Im Schlossbezirk 10, 76131 Karlsruhe Menu booking: <a href="http://www.eventbrite.co.uk/e/nortek-pulse-coherent-symposium-2015-tickets-17029701295">http://www.eventbrite.co.uk/e/nortek-pulse-coherent-symposium-2015-tickets-17029701295</a>  Or free choice a la carte  Meeting at the hotel lobby and 15 min walk or taxi ride to the restaurant.

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Friday, 23 October: Hydraulic Engineering Laboratory of BAW

08:30 - 09:00	Meeting at the hotel lobby and taxi ride to Laboratory.
09:00 - 11:30	Demonstration of High-Resolution Aquadopp Profiler, Vector, Vectrino Profiler and Vectrino+ in flumes of the laboratory.
11:30 - 12:00	Taxi ride back to the Achat Plaza
<b>12.00 - 13:00</b>	<b>Lunch</b>
13:00 - 14:00	Conclusions and end of Symposium