

# 3TU.AMI

3TU Applied Mathematics Institute



MATHEMATICS FOR INNOVATION

## 3TU.AMI conference

Date 13 November 2014

Time 09:15 AM

Venue Deltares Delft  
Rotterdamseweg 185  
Delft

Admission free

Registration before November 5, 2014

<http://registration-ami-conference.nl>

Organization Committee  
Henk Schuttelaars, TUD  
Brenny van Groesen, UT

# MATHEMATICS & WATER

## Deltares Delft, 13 November 2014

09:15 – 10:00	Registration and coffee
10:00 – 10:10	Opening by Huib de Vriend, chairman
10:10 – 11:00	Brenny van Groesen, University of Twente HaWaSSI: Hamiltonian Wave-Ship-Structure Interaction
11:00 – 11:30	Coffee break
11:30 – 12:30	Kees Roos, TU Delft Economically efficient standards to protect the Netherlands against flooding
12:30 – 13:30	Lunch
13:30 – 14:00	Herman Kernkamp, Deltares Development of 1D2D3D flow solver D-FLOW Flexible Mesh
14:00 – 14:30	Ed van Daalen, MARIN Challenges in the maritime sector
14:30 – 15:00	Break
15:00 – 15:20	Cisco de Bruijn, KNMI Water & Math in weather and climate: the perfect marriage
15:20 – 15:40	Theo Gerkema, NIOZ Mathematics and internal waves
15:40 – 16:00	Arie de Niet, Witteveen+Bos Accurate Prediction of Ecological Quality Ratio with Product Unit Neural Networks
16:00 – 16:15	Break
16:15 – 16:35	Riaan van 't Veer, SBM Offshore Design, Install, Operate: what are the limiting wave conditions?
16:35 – 16:55	Olger Koop, BMT Argoss Wave Response
16:55 – 17:15	Cock van de Lem, Royal HaskoningDHV Mathematical Challenges in Hydraulic Engineering
17:15	Drinks

[www.3tu.nl/ami](http://www.3tu.nl/ami)