



**SEMINAR**  
**EUROS FOR WIND ENERGY**  
**11 OCTOBER 08.00 - 18.00**  
**OFFSHORE ENERGY 2017 CONFERENCE**

### **The EUROS Program**

The cost of offshore wind energy is going down quickly as a result of a joint effort of the wind energy sector as a whole. The EUROS Research Program contributes to a further acceleration of offshore wind energy development by focusing on major cost factors – design, construction and logistics of installation and maintenance – with a cost saving potential of 10%. The program is all about dealing with uncertainties in practice, and aims for a paradigm shift to a probabilistic approach:

- in design: reducing uncertainties that cause over-conservative safety factors and
- in planning and costing of installation and maintenance logistics: improving efficiency.

The EUROS Research Program is a scientific research program that is funded by both industry and government. It stands for “Excellence in Uncertainty Reduction of Offshore wind Systems”. In a 5-year period 11 researchers with a background in physics and engineering will develop tools and models that can be used as add-ons to existing design and planning software, ensuring rapid market implementation. Three universities, five research institutes and seven industry parties contribute in an integral approach to a cost reduction in wind energy, unprecedented in the sector.

### **Visit the Seminar**

During the EUROS Research Program Seminar a mix of industry and research presentations will show the results after two years of research. If you want to learn more about the technology of tomorrow this seminar is the event to join. Also for people that like to meet the key researchers in the field of offshore wind energy the seminar provides excellent opportunities. The seminar accommodates for interaction with the researchers and aims for a broad audience.

Registration (free): <https://www.offshore-energy.biz/conference-program> (scroll down)

EUROS website: <http://offshorewindenergy.tudelft.nl/EUROS/> (for seminar: click 'events')



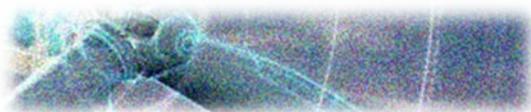


EXHIBITION & CONFERENCE  
10 & 11 OCTOBER 2017  
AMSTERDAM | THE NETHERLANDS

## SEMINAR PROGRAM



- 8.00 – 9.00 Welcoming coffee
- 9.00 – 9.15 Welcome by EUROS and NWO-TTW
- 9.15 – 9.45 Introduction to EUROS, by Simon Watson
- 9.45 – 10.45 Project 1: External conditions, introduced by Barry Koren
- Peter Kalverla (WUR) and Ine Wijnant (KNMI)  
*On the development and application of weather models for wind energy*
  - René Beltman (TU/e) en Akshay Koodly Ravishankara (ECN):  
*Incompressible Navier-Stokes methods for wind-energy applications*
- 10.45 – 11.15 Refreshment break
- 11.15 - 12.00 Project 1: External Conditions, continued
- Anne Eggels (CWI), Reinder Ronda (KNMI) and Sofia Caires (Deltares)  
*Wind and wave forecasting for the southern North Sea basin*
- 12.00 – 13.00 Lunch
- 13.00 – 14.30 Project 2: Loads and damage, introduced by Andrei Metrikin
- Dominik Fallais (TU Delft) and Wybren de Vries (ENECO);  
*Fatigue damage monitoring for offshore wind turbine support structures*
  - Peter Meijers (TU Delft) and Cornelis van 't Hof (IHC):  
*Installation of Large-Diameter Monopiles: current practice and challenges*
  - Richard Dekker (TU Delft) and Sjoerd Hengeveld (TNO):  
*Fatigue crack growth under mixed-mode variable amplitude loading*
- 14.30 – 15.00 Refreshment break
- 15.00 – 16.00 Project 2: Loads and damage, continued
- Tim Raaijmakers (TU Delft) and Irene Tönis (van Oord);  
*Scour mitigation strategies for wind turbine foundations in morphodynamic seabeds*
  - Laurent van den Bos (CWI) and Lindert Blonk (DNV GL):  
*Mixed Uncertainty Quantification applied to wind turbine loading*
- 16.00 - 17.00 Project 3: Uncertainty in wind farm optimization, introduced by Michiel Zaaijer
- Erik Quaeghebeur (TU-Delft) and Sjoerd van der Putten (TNO):  
*Enhancing data sets for accelerated wind energy development*
  - George Leontaris (TU-Delft and Ashish Dewan (ECN):  
*Decision support for OWFs installation process including the risk of supply disruptions*
- 17.00 - 17.30 for EUROS partners only
- 17.00- Networking reception



Toegepaste en  
Technische Wetenschappen