



**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://offshorwindenergy.tudelft.nl/EUROS/> (for seminar: click 'events')





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



## SEMINAR PROGRAM

8.00 – 9.00 am	Welcoming coffee
9.00 – 10.30 am	Seminar
	General introduction by Simon Watson, Professor of Wind Energy Systems and Director of DUWIND at Delft University of Technology
	Project 1 External Conditions
	Wind Loads
	Extended Weather Forecasts
10.30 – 11.00 am	Refreshment break
11.00 - 12.30 pm	Seminar
	Project 1 External Conditions
	Uncertainty Quantification in Wind and Waves
	Wind Farm Wake Effects
	Project 2 Loads and Damage
	Smart Monitoring of Damage Development
12.30 – 1.30 pm	Lunch
1.30 – 3.00 pm	Seminar
	Project 2 Loads and Damage
	Physical Modelling of Service Life Consumption by Pile Driving
	Physical Modelling of Crack Initiation and Propagation
	Physical Modelling of Scour and Seabed Variations
3.00 – 3.30 pm	Refreshment break
3.30 – 5.00 pm	Seminar
	Project 2 Loads and Damage
	Uncertainty propagation
	Project 3 Wind Farm Design Optimisation
	Smart Logistics
	Uncertainty Model of Wind Farms
5.00 – 6.00 pm	Networking reception

