The course is arranged through the Doctoral School of Engineering and Science at Aalborg University.

For Ph.D. students registered at any university, participation in the course is subject to a €400 fee, which is charged to cover expenses for lunches, coffee, experimental setup, etc.

Non-Ph.D. students are also welcomed, but at a full registration fee of €1100. The fees will be charged after the registration deadline is passed and registrants have got the confirmation of participation.

The course is of relevance to PhD students and others with interests in development of wave energy converters.

PLACE
University College Cork, Ireland
MaREI Centre for Marine and Renewable Energy
www.marei.ie

September 4-8, 2017
Numerical and experimental modelling and control of Wave Energy Converters

REGISTRATION
www.phd.moodle.aau.dk > Civil Engineering > Numerical and experimental modelling and control of WECs

LINK
https://phd.moodle.aau.dk/course/category.php?id=116

FURTHER INFORMATION
Jens Peter Kofoed (jpk@civil.aau.dk)

Programme for the PhD course available at waveenergy.civil.aau.dk
The main objective of this course is to train each participant to the numerical and experimental modelling and control of Wave Energy Converters (WECs).

The following topics will be taught:

- The State of the Art of wave energy conversion techniques
- The State of the Art of numerical modelling of WECs, the limitations and the alternative numerical approaches
- The State of the Art of experimental modelling of WECs, the limitations
- The State of the Art of control of WECs

By the end of the course, the participants will have carried out the following tasks:

- Wave measurement and generation in wave tank
- Numerical investigation of the performance of a WEC
- Experimental investigation of the performance of a WEC with and without control

The course is arranged jointly by Doctoral School of Engineering and Science at Aalborg University, Ecole Centrale de Nantes and University College Cork. The course will be held in the week after the EWTEC 2017 conference in Cork, Aug./Sept. 2017.

Prerequisites

To ensure full benefit of the course participants should at least have:

- Degree in Engineering
- Basic knowledge of Matlab or any other programming language

Course organisers and lecturers

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