

## OES TASK 10 WEC MODELLING Workshop 3

**Starting** Thursday 14 November 2019 at 9:00

**Ending** Friday 15 November 2019 at 14:00

**Location:** IBIS Schiphol Hotel, Schipholweg 181, 1171 PK, BADHOEVEDORP, NETHERLANDS

### Agenda of course topics:

- Review of validation cases undertaken by OES WEC Modelling
- Modelling techniques used by OES WEC Modelling
- Review and presentation of simulations of the KRISO OWC test case
- Dedicated experimental sphere test cases for validation of numerical models

**Description:** The OES Task (10) on WEC modelling verification and validation, was initiated in 2015 with a kick-off workshop took place in September 2016 where the initial base line task was defined. Lessons learned from offshore wind validation/verification projects (OC3-OC5 conducted within IEA Wind Task 30) was “start with a simple case”. The OES group initiated modelling a heaving sphere.

The modelling cases has progressed via comparing numerical models to mathematical solutions to the existing experiments, a heaving float US system and the OWC system Korea, the simple testcase of a heaving sphere has been kept for development of further experimental validation.

**Outputs:** The workshop will give the participants opportunity to discuss the results of their work face to face – reflect and propose new activities that can help validate and consolidate the accuracy, complexity and efficiency of theoretical numerical models. The principle output from this training activity is the development of explicit knowledge of WEC modelling in the trainees. This includes both the course content as well as the development of personal links for the trainees that can be re-invested in other COST Action activities.

**IBIS Hotel rooms** incl. breakfast cost: Single standard € 81,25; Single Superior € 97,00

**WECANET** can offer a grant of (500 EUR/person) for 10 persons. If you are interested in applying for a grant, please send me an email with your contact details and background for request. We will evaluate the background for request and give priority to the applicants that reacts first.

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