

Training School “Wave Energy Assessment and Applications” WECANet COST Action (CA17105)

WECANet is pleased to announce that a Training School on **Wave Energy Assessment and Applications** will be held on the **16th to 20th March 2020** in **Athens, Greece**.

Wave Energy Assessment and Applications

The Training School will include various topics related with wave energy assessment, devices and technologies. The seminar will be divided in three distinct thematic sessions, namely: 1) wave energy assessment, 2) wave energy devices and technologies and 3) potential environmental effects of wave energy converters and arrays.

Training School Content

The Training School is planned for 5 days, with five hours of training per day;

Day 1

- An introduction to the wave measurement devices and techniques.
- Global wave data sources.
- Introduction to numerical wave modelling in offshore and coastal (shallow water) areas.

Day 2

- Description and modelling of wave climate
- Estimation of design (extreme) waves: Methods, effects of wave directionality, multivariate extremes

Day 3

- Wave energy converters and technologies, including offshore and on-shore technologies/ devices
- Comparative evaluation of WECs.

Day 4

- Innovative designs of hybrid wind – wave energy systems.
- Introduction to the main principles of the hydrodynamic analysis of wave energy devices and arrays.

Day 5

- Environmental effects of wave energy devices and systems according to the specific device type/technology and the area of interest.

Training School Tutors

This WECANet Training School is pleased to have the following tutors available to provide this course

- Prof. Spyridon Mavrakos, Hellenic Centre for Marine Research, Athens, Greece
- Dr Takvor Soukissian, Hellenic Centre for Marine Research, Athens, Greece
- Prof. Kostas Belibassakis, National Technical University of Athens,
- Prof. Ioannis Chatzigeorgiou, National Technical University of Athens
- Assc. Prof. Eva Loukogeorgaki, Aristotle University of Thessaloniki
- Prof. Eugen Rusu, Universitatea Dunarea de Jos Galati

Funding Application Details

Applicants are invited to apply for a WECANet Training School Grant of 500€ towards travel and subsistence cost incurred to attend the School. Early Stage Researchers and PhD students in wave energy are eligible to apply for a Grant as trainee in order to participate to the WECANet Training School.

Eligible Trainees are:

- Trainees from COST Full Members / COST Cooperating Member
- Trainees from Approved NNC Institutions
- Trainees from Approved European RTD Organizations.

The criteria for COST Action support can be found on the COST Action Vademecum (<http://www.cost.eu/Vademecum>). Any costs over 500 € must be covered by the applicant. The Grant will be awarded after verified attendance at the School. A total of 5 WECANet Training School Grants are available to support attendance of this Training School.

Applications for Training School Grants

Applications for the WECANet Training School on Wave Energy Assessment and Applications and for the relevant Grant can be made by submitting a **short cv (maximum 2 pages)** along with a **short (maximum ½ page) motivation letter** at wecanetca@gmail.com.

Evaluation and Granting of Training School Grants

The evaluation of WECANet Training School Grant applications and pre-selection of Grantees will be performed by the Action's Training School Coordinator/Committee on behalf of the Management Committee of the WECANet COST Action, who will be invited to approve a list of preselected Grantees. The selection of applicants is based on the potential value of the School to the applicant and the applicant's institution. The selection also considers the COST policies on promoting gender balance, enabling Early Career Investigators and broadening geographical inclusiveness.

EVALUATION CRITERIA FOR TRAINING SCHOOL GRANT WEIGHT APPLICATIONS

Potential benefits to applicant	40 points
Potential benefits to applicant's institution	30 points
COST policies: promoting gender balance	10 points
COST policies: Early Career Investigators COST	10 points
COST policies: Broadening geographic inclusiveness (applicant based at ITC country)	10 points

Information on COST policies is available through <http://www.cost.eu/Vademecum> .

Key Dates

Deadline for applications to be submitted: 10th February 2020

Notification of funding application outcome: 15th February 2020

Training School: 16th – 20th March 2020

Further Information

Further information or clarifications can be obtained via the following e-mail address:

wecanetca@gmail.com