



EURODYN 2020

XI International Conference on Structural Dynamics

22-24 June 2020, Athens, Greece

Mini-Symposium MS15

Dynamics of on- and off-shore Wind Energy Structures (WES)

Invitation to contribute

Dear Colleague,

The Eleventh European Conference on Structural Dynamics (EURODYN 2020) will be held in Athens, Greece, from 22 to 24 June 2020, comprehending a number of organized Mini-Symposia, as described at the conference website.

In this context, taking into account your research activity, we would like to kindly invite you to participate in the Mini-Symposium MS15 on "Dynamics of on- and off-shore Wind Energy Structures (WES)". This mini-symposium covers recent developments and state-of-the-art in:

- wind mapping (site assessment & classification) and analyses of the site turbulence features
- wind-structure dynamic interaction on WES elements (tower, rotor blades), computational methods
- on-shore structures: wind-soil-structure interaction, including seismic actions; computational methods
- off-shore structures (fixed bottom): wind-wave-structure dynamic interaction, nonlinear waves, advanced loading models, "ringing" phenomena (dynamic amplification), computational methods
- offshore structures (floating systems in deep water): dynamics of platforms, mooring lines and risers, computational methods
- fatigue problems and life-long maintenance
- uncertainty quantification & structural health monitoring for large on- and off-shore WES
- risk based maintenance and control
- WES for the urban built environment (towards future smart cities)
- examples of realized and/or designed (ongoing) wind farm projects

If you would like to take part in this Mini-Symposium, you are invited to submit online your one-page abstract before **October 30th, 2019**. The abstract must be submitted through the Website of the conference (please send to either of us just a simple e-mail message confirming your interest). Authors are asked to identify the number of this Mini-Symposium as "MS 15". As a general rule, only one paper per each registered author will be accepted.

The abstracts submitted to the EURODYN Mini-Symposium will be reviewed, and authors will be informed of the abstract acceptance before December 15th 2019. The full papers will be due before February 29th 2020 and their acceptance notified before March 31st, 2020.

More information on abstract submission can be found on: <https://eurodyn2020.org/content/submit-your-contributions>.

We would appreciate if you could forward this information to colleagues who may also be interested in this conference and in this Mini-Symposium.

We look forward to hearing from you soon and to meet you in Athens at EURODYN 2020.

Sincerely yours,

Claudio Borri & Enzo Marino (Florence), Charalampos C. Baniotopoulos

(Birmingham), Ruediger Höffer (Bochum), Filipe Magalhaes (Porto)

(Organizers and co-organisers of Mini-symposium MS15)