

CoastLab 2020

8th International Conference on Physical Modelling in Coastal Science and Engineering

Call for Proposal for the hosting of CoastLab20

1. **Event:** CoastLab is a Conference whose focus is on Physical Modelling in Coastal Engineering and Science. CoastLab is organized under the auspices of and in collaboration with the Coastal and Maritime Hydraulics Committee of the International Association of Hydro-Environment Engineering and Research (IAHR).

Coastlab20 builds on the success of previous conferences held in Porto (2006), Bari (2008), Barcelona (2010), Ghent (2012), Varna (2014), Ottawa (2016) and the upcoming event in Santander (2018).

<http://coastlab2018.com/>

2. **Duration:** 3 (three) full days plus a 1 (one) day short course on the day prior to the conference first day of sessions.

3. Themes

CoastLab20 will provide a stimulating and enriching forum to discuss the latest developments in physical modelling applied to coastal and port engineering and coastal science. Papers that describe new research, technical innovation and interesting real-world case studies and projects are encouraged. The conference topics include:

- Coastal hydrodynamics, coastal processes
- Sediment transport, erosion, sedimentation, scour
- Coastal flooding, flood prevention, shore protection
- Coastal and ocean structures, breakwaters, revetments
- Wave-structure interactions, loading, response
- Wave runup and overtopping
- Industrial outfalls, mixing, water quality
- Wave and tidal energy
- Laboratory technologies, measurement systems
- Wave synthesis, generation and analysis
- Scale effects and uncertainty analysis
- Combined physical and numerical modelling
- Extreme events – assessment and mitigation
- Tsunami hydrodynamics, impacts and mitigation
- Climate change impacts, adaptation, mitigation
- Physical modelling case studies
- Coastal field measurement and monitoring
- Ports, marine terminals, navigation, ship motions

4. Logistics

Fee Structures: the same structure as the one followed by past CoastLab conferences. Delegates who

are members of IAHR or of any other professional organization who is endorsing the event benefit from a reduced registration rate. Special fees for students should also be considered.

Profit: IAHR receives 1% of the registration fee income from CoastLab conferences. The profit/loss recorded at the end of this event is the responsibility of LOC.

5. Expected Attendance

Around 100 papers with around 120-140 people attending and registering only for this event. Although this is also dependent on the venue and the marketing effort.

6. Support Solicited

IAHR Participate in Scientific Committee of CoastLab20
 Advertise

LOC: Bidding to host the next CoastLab20
 Preparing a brief of their bid and presenting it to the members of the Coastal and Maritime Hydraulics Committee of IAHR
 Setting up the Local Organizing Committee
 Advertise the event
 Organise the conference (website, logistics for the location, all preparations, etc)
 Proposal for paper publication; Special issue in a scientific journal is encouraged
 Prepare and deliver a presentation at CoastLab18 in Santander

7. Timing of CoastLab20

The LOC will ensure that CoastLab20 will be held such that it would avoid scheduling competition with other major coastal engineering or coastal science conferences.

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Coastal and Maritime Committee of IAHR
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