

FIRST NOTICE AND CALL FOR ABSTRACTS: Melbourne, AUSTRALIA, 10-15 November 2019

2ND INTERNATIONAL WORKSHOP ON WAVES, STORM SURGES AND COASTAL HAZARDS

incorporating the:

16TH INTERNATIONAL WORKSHOP ON WAVE HINDCASTING AND FORECASTING

Following the success of the 1st International Workshop on Waves, Storm Surges and Coastal Hazards held in Liverpool in 2017 and building on the many years of successful Wave Hindcasting and Forecasting workshops, the 2nd International Workshop on Waves, Storm Surges and Coastal Hazards will be held in Melbourne, Australia in November 2019. This meeting will be hosted by the University of Melbourne. A link to information on meeting logistics can be found at:

<https://conference.eng.unimelb.edu.au/waves/>

Information on previous meetings in this series can be found at: www.waveworkshop.org.

The objectives of the workshop are:

1. to provide a forum for the exchange of ideas and information related to wind, wave, and storm surge hindcasting and forecasting including fully-integrated coastal warning systems, and description of present and future states of the climate;
2. to promote cross-cutting, multi-disciplinary, scientific/engineering collaboration in the field of coastal risk and resiliency, including long term planning, mitigation, impact-based forecasting and the role of natural protection; and
3. to coordinate ongoing R&D initiatives and discuss priorities for future research and development.

Themes for the waves portion of the workshop will be 1) “Developing improved methods for wave prediction in complex conditions and environments”, 2) Ocean wave climate and 3) “Wave measurements, including user requirements, best practices and evaluation” Topics of interest include theoretical, observational, numerical, or operational applications focused on the physics of wave generation, extreme seas, wave generation in complex geometries, near-coast applications, and unique waves such as rogue waves, solitons, and infragravity waves.

A theme for the coastal hazards portion of the workshop will be on “Developing Tools for Quantifying Future Coastal and Offshore Risks and Resiliency”. Topics may include theoretical, observational, numerical, laboratory or operational applications dealing with predicting storms and storm effects associated with waves, currents, surges and other processes that affect communities in coastal areas.

Themes of the storm surge symposium will be: Advances in storm surge modelling and forecasting (including operational forecasting and regional applications). Topics may include storm surge climatology and statistical aspects of storm surges, the use of observations (including satellite data) in storm surge forecasting and warning, coupled model systems (including enhanced coupling between atmosphere, waves, storm surge, ice, as well as links to ocean models), and storm surge impacts.

Special themed sessions honouring two of our esteemed colleagues, Mark Donelan and Vince Cardone, will also be held as part of the meeting.

Papers dealing with research related to these selected themes will be given particular consideration; however, papers are also welcomed on other research and operational aspects of wave and storm surge hindcasting and forecasting; including operational forecasting; regional hindcasts; storm surge climatology; data collection and instrumentation; data assimilation into numerical models; wave-current interaction; wave-ice interaction;

shallow water and nearshore effects; wind fields for wave hindcasting or forecasting: extremal analysis; case studies, past and future climate trend and variability.

The program will consist of presentation and poster sessions. There will be no parallel sessions.

Those wishing to present a paper should submit a title and abstract (100-300 words) in a Microsoft Word or PDF document at the ABSTRACT SUBMISSION link of the web site <https://conference.eng.unimelb.edu.au/waves/>. Abstracts will be reviewed by the conference Program Committee. Authors should specify whether they wish oral or poster presentation, but the final decision rests with the Program Committee.

The deadline for receipt of abstracts is **30 April, 2019**.

Authors will not be required to submit full written papers but may opt to provide a written paper for inclusion in the final meeting record at www.waveworkshop.org.

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