

FIRST NOTICE AND CALL FOR PAPERS: Liverpool, UK, 10-15 September 2017

1ST INTERNATIONAL WORKSHOP ON WAVES, STORM SURGES AND COASTAL HAZARDS

incorporating the:

**15TH INTERNATIONAL WORKSHOP ON WAVE HINDCASTING AND FORECASTING
6TH COASTAL HAZARDS SYMPOSIUM
3RD JCOMM SCIENTIFIC AND TECHNICAL SYMPOSIUM ON STORM SURGES**

Following the success of the joint workshops on waves, coastal hazards and storm surges held in Key West in November 2015, these meetings will again be held jointly in Liverpool, United Kingdom September 10-15, 2017. This meeting is sponsored by the Liverpool Institute for Sustainable Coasts and Oceans (LISCO), the UK National Oceanography Centre, the Taylor Engineering Research Institute at the University of North Florida, Environment and Climate Change Canada and the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM). A link to information on meeting logistics will be available soon at the workshop web site 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" and 2) "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.

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. Authors should indicate their session preference, but the final decision rests with the workshop organizers.

Those wishing to present a paper should submit a title and abstract (100-300 words) in a Microsoft Word document to Val Swail (Val.Swail@canada.ca), with a copy to Don Resio (don.resio@unf.edu) and Kevin Horsburgh (kevinh@noc.ac.uk). Each abstract should contain the author's name, mailing address and telephone number. The deadline for receipt of abstracts is **March 30, 2017**. Authors may wish to provide a full paper describing their results, as a useful and referenceable means to disseminate their results. Full papers are optional this time, but should be provided by August 30, 2017 for inclusion in the online program. To receive further notices, please contact:

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