



## 14<sup>th</sup> International Ship Stability Workshop

### IMPORTANT DATES

18 April 2014 Abstract Submission  
5 May 2014 Announcement of selected abstracts  
30 June 2014 Full paper submission

29 September - 1 October 2014  
UTMSPACE Kuala Lumpur, Malaysia

Safety of ships especially their stability has always been the concern for the international maritime community. The first international conference on Stability of Ships and Ocean Vehicles (STAB) was held in Glasgow, Scotland in 1975. Since then, the conference was held every 3 years. It has now become tradition that the International Ship Stability Workshops (ISSW) are held annually prior to the STAB conferences. The last ISSW was successfully held in Brest, France and now the 14th International Ship Stability Workshop will be in Kuala Lumpur, Malaysia prior to the STAB conference in 2015 in Glasgow.

Whilst, a wide large range of issues related to stability of ships and ocean vehicles are covered during the STAB conferences, the workshops are organised to focus more on particular subjects and recent developments in the field. As such, the workshop will discuss on recent developments of new regulations, new types of ships and predicting their stability, current research challenges, stability accidents, and others. The format of the workshop will allow the participants to have not only in-depth discussions, but also an opportunity to ask questions from the experts in their quest to obtain answers in the related fields of ship stability.

### ABSTRACT ISSW 2014

- 1) Application of Second Generation IMO Intact Stability Criteria to Medium – Sized Fishing Vessels
- 2) Ship's Stability in Grounded Condition
- 3) DEVELOPMENT OF MINIMUM FREEBOARD AND BOW HEIGHT FORMULA FOR INDONESIAN WATERS
- 4) An Analysis of Bilge Keel Effects using RANS with Overset Grids Method
- 5) A Numerical Study on Maneuver ability under Steady Equilibrium Condition in Waves for Free-running Model Ship
- 6) Numerical Investigation into Ship Stability Failure Events in Quartering Seas Based on Time Domain Weakly Nonlinear Unified Model
- 7) Investigation the Dynamical Stability of High Speed Crafts with an Analytical Approach
- 8) Dynamic Stability Analysis of a Wing in Ground Effect during Takeoff
- 9) Stability Analysis of Hybrid Catamaran Fishing Vessel
- 10) Selecting Monohull, Catamaran and Trimaran as Suitable Passenger Vessels Based on Stability and Seakeeping Criteria
- 11) Experimental and Numerical Study on Predicting method of Parametric Rolling in Regular Head Seas
- 12) Experimental and Numerical Study on Roll Restoring Variation using the Standard C11 Containership
- 13) A Study on Spinout Phenomena of Planing Craft in High Speed Turning with Radio Control Small Model
- 14) Validation of time-domain simulation code
- 15) Regulatory use of Nonlinear Dynamics: an Overview
- 16) Early-stage design assessment of the surf-riding susceptibility of naval ships
- 17) What is surf-riding in an irregular sea?
- 18) A New Approach to the Derivation of V-Line Criteria for a Range of Naval Vessels
- 19) DEVELOPMENT AND VALIDATION OF A TIME DOMAIN PANEL CODE FOR PREDICTION OF LOADS ON AND LARGE AMPLITUDE MOTIONS OF SHIPS
- 20) The sinking of the French destroyer BOUVET
- 21) Small combatant accidental damage extents
- 22) Remarks on experimental validation procedures for numerical intact stability assessment with latest examples
- 23) Model experiments in following and quartering seas using a small size ship model
- 24) Experimental database for surf-riding and broaching-to quantification based on captive model tests in waves
- 25) Air pressure scale effects during damage model tests
- 26) Calculation scheme for wave pressures with auto-regression method
- 27) Example of validation of statistical extrapolation
- 28) Critical distance on a phase plane as a metric for the likelihood of surf-riding in irregular waves
- 29) On the application of the Generalized Pareto Distribution for statistical extrapolation in the assessment of dynamic stability in irregular waves
- 30) Requirements and Criteria for Manoeuvrability in Adverse Weather Conditions
- 31) Computationally efficient models for motions in extreme conditions
- 32) Underlying linear spectrum for nonlinear gravity waves
- 33) On the inertia contribution due to floodwater mass
- 34) Design and construction of computer experiments in fluid mechanics and ship stability
- 35) Criteria for Minimum Powering and Maneuverability in Adverse Weather Conditions
- 36) Modelling of Extreme Waves Related to Stability Research
- 37) The Inertia Contributions due to Floodwater Mass
- 38) Forensic study of BOUVET capsizing
- 39) An Experimental Investigation on Reduction of List Angle of a Semi-submersible Platform in Head Sea

Enquiries & further details please contact:

ISSW 2014 Secretariat

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# ISSW 2014

## FEE

Fee	Early Bird <i>Before 22/08/2014</i>	Normal
Presenter	<input type="checkbox"/> RM990	<input type="checkbox"/> RM1200
Participant	<input type="checkbox"/> RM990	<input type="checkbox"/> RM1200
Students		<input type="checkbox"/> RM890

Note :

Fees include workshop materials, lunch, refreshment, tour and dinner on **30 SEPTEMBER 2014**

\* On-site registration is possible at the workshop registration counter.

## REGISTRATION FORM

To confirm your registration, please complete this form

Name : \_\_\_\_\_  
NRIC / Passport No. : \_\_\_\_\_  
Title : \_\_\_\_\_  
Organisation : \_\_\_\_\_  
Address : \_\_\_\_\_  
Tel : \_\_\_\_\_  
Fax : \_\_\_\_\_  
E-mail : \_\_\_\_\_

Please tick (/) in the appropriate box/es below

I will attend as participant       I will present paper

Title of Paper : \_\_\_\_\_  
Co-authors : \_\_\_\_\_  
Signature : \_\_\_\_\_  
Date : \_\_\_\_\_

Food Preference

Vegetarian       Non-vegetarian

MODE OF PAYMENT

A. Cheque or Bank Draft

Cheque No. / Bank Draft No. : \_\_\_\_\_  
Bank / Branch : \_\_\_\_\_

All crossed cheque/ bank draft should be made payable to  
Account Name : UTMSPACE  
Account Number : 8601518228  
Bank Name : CIMB Islamic Bank Berhad  
Branch : UTM Skudai, Johor    Swift Code: CIBBMYKL

B. Local Order (LO/PO)

Reference Number : \_\_\_\_\_

Organisation Details (for issuance of invoice)

Organisation : \_\_\_\_\_  
Co. Reg. No\* : \_\_\_\_\_  
Address : \_\_\_\_\_  
Contact Person : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Tel : \_\_\_\_\_  
Mobile No. : \_\_\_\_\_  
Fax : \_\_\_\_\_  
E-mail : \_\_\_\_\_

Cancellations received in writing 30 days prior to the programme are eligible for a refund, subject to a 15% cancellation fee. Cancellations received less than 14 days from the date of the programme are not eligible for a refund. However, substitute attendees are welcome. Please note that the speakers and topics are confirmed at the time of printing. However, circumstances beyond the control of the organisers may necessitate substitutions or cancellations of speakers and/or topics. As such UTM reserves the right to alter or modify the advertised speakers and/or topics.

Authorised Signature : \_\_\_\_\_  
Date : \_\_\_\_\_  
Name : \_\_\_\_\_  
Designation : \_\_\_\_\_

Organisation's Stamp

FOR FURTHER INFORMATION, PLEASE CONTACT:

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