

First Announcement and Call For Papers



IWSH'2011

The 7th International Workshop
on Ship Hydrodynamics

16-19 September 2011
Shanghai, China

<http://naoce.sjtu.edu.cn/iwsh2011/>

Introduction

The 7th International Workshop on Ship Hydrodynamics (IWSH'2011) will be held in Shanghai, China on 16-19 September 2011. The IWSH conference was first held in Wuhan, China in 1999. Then it was held in Wuhan, Shanghai, Zhenjiang and Harbin in subsequent every two years. These Conferences have drawn a variety of international delegates including scientists, engineers and researchers with a common interest in ship hydrodynamics. They provide a forum to promote scientific advancement, technological progress, information exchange, and cooperation among engineers and researchers in ship and ocean engineering and other related fields. The coming IWSH'2011 conference will be hosted and organized by Shanghai Jiao Tong University (SJTU) and sponsored by Chinese Towing Tank Conference (CTTC) and Ship Mechanics Committee of the Chinese Society of Naval Architects and Marine Engineers (CSNAME). The IWSH'2011 will be a platform for engineers and researchers to keep abreast of the current scientific and technological advancements in hydrodynamics of ship and ocean engineering and other related fields, including theoretical, numerical and experimental aspects.

Conference Themes

The scope of the conference will be broad, covering all issues related to hydrodynamics of ship and ocean engineering and other related fields. Specific themes

include, but are not limited to:

- Resistance, propulsion, seakeeping, maneuverability
- Cavitation and cavitation flows
- Linear and nonlinear waves and current
- Slamming, sloshing, green water, run-up, impact
- Computational fluid dynamics, numerical wave tank and virtual displaying system
- Hull form optimization based on CAD/CFD
- Fluid-structure interaction and hydro-elasticity
- Environmental loads and underwater noise
- Hydrodynamic performance of high speed vessels
- Hydrodynamic performance of offshore platforms, pipelines, risers and mooring systems
- Internal waves and deep water system
- Experimental techniques for towing tank, wave flume and water basin
- Other aspects of hydrodynamics in ship and ocean engineering

Important Dates

Receipt of abstracts	March 31, 2011
Provisional acceptance	April 30, 2011
Receipt of full papers	June 30, 2011
Final acceptance	July 31, 2011
Early registration	August 15, 2011

Language

The official language of the conference will be English, and the papers must be submitted in English.



Technical Visit

A half-day field visit to related laboratories and research sites including Deep Offshore Basin, Internal Wave Flume, Virtual Reality System Laboratory will be organized after the conference.

Local Organising Committee

Prof. Gang Chen (Chairman, SJTU)
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Prof. Guoxiong Wu (University College London, UK)
Prof. Chi Yang (George Mason University, USA)
Prof. Zhi Zong (Dalian University of Technology, China)

Conference Correspondence

IWSH'2011 Secretariat

c/o Prof. Dr. Decheng Wan

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