



HPMV CHINA 2010

10th International Conference on High Performance Marine Vessels

9-10 April, 2010 Shanghai, China

in association with

2010 China International Boat Show

8-11 April, 2010 Shanghai, China

***Second Announcement
&
Registration***

Organised by

The Royal Institution of Naval Architects (RINA)
Shanghai Association of Shipbuilding Industry (SASI)
Ship Design Academy Committee, CSNAME
China Boat Industry & Trade Association (CBITA)

Supported by

China Society of Naval Architects and Marine Engineers (CSNAME)
China Association of National Shipbuilding Industry (CANSI)

HPMV CHINA 2010
9-10 APRIL 2010 –SHANGHAI

Over 500 papers have been presented and published in both Chinese and English at the annual China International Conference on High Performance Marine Vessels, which is now in its 10th year and which has become an important forum for the discussion of technical and scientific matters relating to high performance marine vessels in both the Chinese domestic and international markets.

High performance marine vessels for both commercial and recreational use continue to be developed to meet a wider range of roles and more demanding operating conditions. The high speed maritime industry is seeking to extend its operating envelopes, reduce downtime and increase reliability, safety and comfort. The use of new materials and more efficient production methods are being explored to reduce costs.

HPMV China 2010 will again bring together representatives of international maritime industry and academia to present and discuss developments relating to a wide range of high performance marine vessels, including small planning craft, paramilitary vessels, passenger ferries, freight carriers and recreational craft. Monohull, multihull, ACV/SES/WIG/HYF, and novel hull designs will all be covered.

Conference Topics

The Conference will present papers on the following topics:

- Hydrodynamics
- Structures
- Propulsion
- Design and production technologies
- Materials
- Safety, Regulation and Classification
- Motion control
- Shore facilities
- Operations

Venue

The Conference will be held at Shanghai Exhibition Centre which is also the venue of the 2010 China International Boat Show.

Activities

A programme of technical and social events and visits will be arranged during and after the Conference.

China International Boat Show 8~11 April 2010

The Conference will be co-located with the China International Boat Show. This very successful Show, now in its 15th year, will provide speakers and delegates with the opportunity to meet representatives of the Chinese and International boat industry, and discuss new developments in boat and equipment manufacture.

Organising Committee

Honorary Chairmen: Mr.Wang Rong-Sheng, President, CANSI
Mr. Huang Ping-Tao, President, CSNAME

Co-Chairman: Mr. Trevor Blakeley, Chief Executive, RINA
Mr. Zhou Zhen-Bai, Vice President, CANSI, and President, SASI

Vice Chairman: Prof. Yun Liang, Consultant of SDAC, CSNAME
Mr. Miao Guo-Ping, Shanghai Jiaotong University

Secretary General: Mr. Yang Xin-Fa, Secretary General, SASI

Members: Mr. Zheng Ming, Rear Admira, Vice Director of SDAC, CSNAME
Mr. Li Xiao Ping, Vice Senior Engineer. Marine Design & Research Institute
Mr. Zhong Zhen-De, Vice Secretary General, CBITA

International Committee

Chairman: Mr. Trevor Blakeley, Chief Executive, RINA

Vice Chairman: Prof. Yun Liang, Consultant of SDAC, CSNAME
Prof. D. Savitsky (Stevens Institute of Technology, USA)

Members: Dr. N. Bose (Memorial University of Newfoundland, Canada)
Prof. L. Doctors (University of New South Wales, Australia)
Prof. A. Fjorentino (Federico II University, Italy)
Prof. C. Kuo (Strathclyde University, UK)
Prof. H. Miyata (University of Tokyo, Japan)
Prof. P. Wilson (University of Southampton, UK)
Prof. K. V. Rozhdestvensky (Saint-Petersburg State Marine Technical University, Russia)
Prof. Dong Zu-Shun (Naval Engineering University of PLA, China)
Prof. Li Yun-Bo (Harbin Engineering University, China)
Prof. Yang-Qi (Shanghai Jiaotong University, China)
Prof. Yang Song-Lin (Jiangsu University of Science and Technology)
Vice Senior Engineer Sun Yong-Hua (Marine Design & Research Institute, China)
Mr. Hu Jing-Tao, President of Shanghai Merchant Ship Design & Research Institute, China)
Prof. Xu Wei (Chang Jiang Ship Design Institute, China)
Researcher Yang Chun-Qin (Shanghai Ship and Shipping Research Institute China)
Senior Engineer Wang Fang-yuan (China Classification Society)
Senior Engineer Ni Qi-jun (Marine Design & Research Institute, China)

Secretary: senior engineer Liu Qun (Marine Design & Research Institute, China)
Ms. Zhao Lan, SASI
Mr. Huang Xiao Cong, CBITA

Program

The following papers will to be presented during the conference:

I . Multihull Craft

- 1. Research of the Recent Development and Application in SWATH**
- 2. An Investigation on the Seakeeping Performance of the Submersible Small Waterplane Area Single Hull Ship with Hydrofoil**
- 3. The Seakeeping Characteristics of WPT**
- 4. Research on the Main Dimension of High Speed WPC Shipping in the Taiwan Strait**
- 5. Experimental and Numerical Investigations on Resistance Characteristics of High-speed Trimaran with Anti-wave Hydrofoils**
- 6. An Analysis of Structure Mechanics Characteristics of SWATH Subjected to Wave Loads and Slamming Loads**
- 7. Primary Research on Surface Trimaran Unmanned Vessels**

II. High Speed Craft

- 1. Design of a Biggest in the World Automatic Controlled Hydrofoil Craft for Operated in Taiwan Strait**
- 2. A Summary on Development and Application of Hydrofoil Craft**
- 3. The Technology and Application Design of Shallow Draught Energy-saving High Speed Ship Using a Thin Layer of Air Film**
- 4. Mechanism Study of Manmade Bubble for Drag Reduction of High Speed Boat**
- 5. The Resistance Decrease Test Study of Air Cavity Craft**
- 6. Correlation Studies between Parent and Extreme Value Accelerations for Planning Craft in Irregular Waves**
- 7. Preliminary Research on Parametric Modelling and Analysis of High-Speed Ship Structure with Complex Surfaces**
- 8. Study on Vertical Acceleration Estimation in the Criterion of High Speed Craft**
- 9. Parsing the Weight Control of High Speed Vessel**

III. New Material, New Technology and New Equipments

- 1. Numerical Simulation Calculation of Hydrodynamic in Water-inlet Pipe's Flow Field for Water Jet Propulsion System**
- 2. Uncertainty Analysis of Open Water Performance Test of Pod Propeller**
- 3. Calculating Method of Cutting Quantity of Screw's Diameter**
- 4. 6 Degree of Freedom CFD Applied to the Design of High Performance Racing Yachts**
- 5. The Surface Treatment of CBF and Its Application in Shipbuilding**

Timetable

April 8 18:00 Banquet

April 9 8:00-9:00 Registration

9:00-9:30 Opening Ceremony of the conference

9:30-12:00 Conference

13:00-17:00 Conference

April 10 9:00 Visit CSSC Jiangnan Changxing Shipbuilding Base

CSSC Jiangnan Changxing Shipbuilding Base is situated on Shanghai's Changxing Island.

The whole Changxing Shipbuilding Base has a 8km-long coastline and is designed to construct seven large docks with annual shipbuliding capacity of 1.2mt.

The base will mainly produce large-scale and high-tech container ships, tankers, LNG carriers and others.

Changxing Shipbuilding Base is the largest and most modern shipbuilding base in China with the most advanced facilities.

Registration

☐ I wish to attend the conference as a delegate

Hotel Accommodation

☐ I hope the organizer make a hotel booking for me.

☐three-star ☐ four-star ☐ five-star

☐ I will book hotel by myself

Please send registration details.

Name:

Company:

Position:

Address:

Tel:

Fax:

Email:

Please return this form by email to:

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Email: chinaboatshow@yahoo.com.cn (CC: csasi@online.sh.cn)

The Conference Fee is **USD300** per person, which includes a copy of the proceedings, VIP invitation to the China International Boat Show, the opening ceremony banquet, the conference lunch and a visiting.