

Proceedings of
The 6th Asia-Pacific Workshop on
Marine Hydrodynamics

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Preface

The first Asia-Pacific Workshop on Marine Hydrodynamics (APHydro) was held in 2000 at Osaka, Japan. Prior to this, four jointly organised workshops between Korea and Japan were successfully held. Now with APHydro, these workshops are extended to countries in the Asia Pacific region. The main aim of the workshop is to promote the technical and cultural exchange among marine researchers in the Asia Pacific region. With this aim, it is hoped that good friendship and exchange of information could be developed especially between young researchers and students. With the establishment of the international organising committee in 2001, it was agreed that future workshops would be held biennially starting from 2002. Following from this, the previous workshops conducted and their venues are given as follows;

The 1st APHydro workshop was held in May 2002 in Kobe, Japan, the 2nd workshop in June 2004 in Busan, Korea, the 3rd workshop in June, 2006 in Shanghai, China, the fourth workshop in June, 2008 in Taiwan, the fifth workshop in July, 2010 in Osaka, Japan.

The APHydro Workshop is now well recognised as the serial international workshop mainly within the Asia-Pacific region concerning hydrodynamics in the area of naval architecture, ocean engineering and other marine related aspects.

This time, APHydro 2012 workshop will be held in Johor Bahru, Malaysia on the 3rd - 4th September 2012. A total of about 100 papers were received and to be published in the workshop proceeding. With the current world economic challenge and changing market demands in the maritime industry, it is extremely important for researchers from different countries and regions to come together to share information and further their understanding in the field of marine hydrodynamics and other marine related fields. We hope that the present Workshop will provide a forum for a clear overview and deep discussions on the recent research progress in marine hydrodynamics aspect. We also hope that the Workshop will be helpful for researchers to gain better insight into the marine related affairs, to further strengthen their contacts and cooperation, exchanging information and to make more contributions to the development of marine related fields especially in hydrodynamics.

On behalf of the Local Organising Committee for the 6th Asia-Pacific Workshop on Marine Hydrodynamics (APHydro 2012), I would like to express our sincere thanks to all the members of the APHydro international organizing committee and sponsors for their kind support and help. We warmly welcome all the participants of the workshop to Johor Bahru. Johor Bahru is one of the fast growing cities in Malaysia and great development has been achieved in the past few years such as the “Iskandar Malaysia” - a socio-economic development project covering a land area of 2217 sq. km. I hope everybody will enjoy their stay in Johor Bahru.



Professor Dr. Adi Maimun bin Abdul Malik
Chairman,
Local Organising Committee of
The 6th Asia-Pacific Workshop on Marine Hydrodynamics