

Proceedings of 7th International Ship Stability Workshop

November 1-3, 2004, Shanghai, China



Shanghai Jiao Tong University



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Edited by

Prof. Xianglu Huang

Prof. Guoping Miao

Dr. Renchuan Zhu

Preface

On behalf of the Local Organizing Committee of the 7-th International Ship Stability Workshop, I warmly welcome all the participants of the workshop to Shanghai.

Ship has been a powerful tool for marine transportation in the human history. With the global development of economics, the amount of marine transportation around the world is even increasing now. Among the various technical aspects in naval architecture, from an academic viewpoint, ship stability possesses its own unique and essential importance. I hope the present Workshop will provide a forum for a clear overview and deep discussions on the recent research progress in this aspect.

I appreciate very much all the kind support and help from the members of Standing Committee of the International Ship Stability Conference and the workshop session organizers. The Workshop would not be so successful without their enthusiasm and continuous efforts. Thanks also to all the authors for their contributions to the Workshop.

Shanghai is one of the most advanced cities in China and great development has been achieved in past decade. I hope everybody will enjoy your stay in Shanghai.

Miao, Guoping

Chairman of the Local Organizing Committee of
7th International Ship Stability Workshop

International Standing Committee Member

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Mr. Hendrik Bruhns

Prof. Stefan Grochowalski

Prof. Alberto Francescutto

Prof. Xianglu Huang

Prof. Yohiho Ikeda

Dr. Jan Otto de Kat

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Dr. Naoya Umeda

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Prof. Yanqiu Dong, Tianjin University

Prof. Jianbo Hua, SSPA Sweden

The International Ship Stability Workshop

This is the 7th Workshop of series, after Strathclyde(UK), Osaka(Japan), Hersonissos(Greece), St. Johns(Canada), Trieste(Italy), New york (USA)

Special thanks to the Session Organizers of 7th International Workshop

D. Vassalos and Y. Ikeda: *Theoretical Development in Damage Stability*

A. Papanikolaou and J. O. de Kat: *Damage Survivability Assessment*

A. Francescutto and R. Tagg: *Assessment of Ship Stability Safety*

N. Umeda, K. Spyrou and A. Peters: *Theoretical Prediction of Intact Stability*

M. Neves and S. Fan: *Experimental Investigation of Intact Stability*

V. Belenky and J. Falzarano: *Ship Dynamics with Water on Deck and Extreme Waves*

Y. Dong and R. Zhu: *Stability Research in China*

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