

## CONTENTS

### The 7<sup>th</sup> Chinese-German Joint Symposium

The Chinese-German Joint Symposium on Hydraulic, Coastal and Ocean Engineering .....	i
..... Tai-Wen Hsu, Jiahn-Horng Chen, Torsten Schlurmann, and Jinhai Zheng	
Assessment of Changes of Extreme Wave Conditions at the German Baltic Sea Coast on the Basis of Future Climate Change Scenarios .....	839
..... Norman Dreier, Christian Schlamkow, Peter Fröhle, Dörte Salecker, and Zhenshan Xu	
Seabed Scour around a Breakwater a Case Study in Mailiao Harbor .....	846
..... I-Fu Lin, I-Fan Tseng, Chung-Pan Lee, and Guan-Yu Chen	
Viscous Flow Fields Induced by a Breaking Solitary Wave over a Shelf .....	855
..... Ching-Jer Huang, Yen-Tsen Lin, and Chun-Yuan Lin	
Variations of Statistics for Random Waves Propagating over a Bar .....	864
..... Yu-Xiang Ma, Xiao-Zhou Ma, and Guo-Hai Dong	
Comparison between Consistent Coupled-Mode System and Eigenfunction Matching Method for Solving Water Wave Scattering .....	870
..... Chia-Cheng Tsai and Wan-Rong Chou	
Yet Another 100YR Storm Surge Event: The Role of Individual Storm Surges on Design Water Levels .....	882
..... Jürgen Jensen, Arne Arns, and Thomas Wahl	
The Latest Progress in Wave Energy Conversions in China and the Analysis of a Heaving Buoy Considering PTO Damping .....	888
..... Hong-Da Shi, Fei-Fei Cao, and Na Qu	
Statistical Analysis on the Long-Term Observations of Typhoon Waves in the Taiwan Sea .....	893
..... Dong-Jiing Doong, Cheng-Han Tsai, Ying-Chih Chen, Jen-Ping Peng, and Ching-Jer Huang	
Theoretical Analysis and SPH Simulation for the Wave Energy Captured by a Bottom-Hinged OWSC .....	901
..... Yu-Chi Chang, Da-Wei Chen, Yi-Chih Chow, Shiaw-Yih Tzang, Chen-Chou Lin, and Jiahn-Horng Chen	
Characteristics of Boundary Layer Flow Induced by Solitary Wave Propagating over Horizontal Bottom ...	909
..... Chang Lin, Shi-Min Yu, Po-Hung Yeh, Min-Hsuan Yu, Ching-Piao Tsai, Shih-Chun Hsieh, Ming-Jer Kao,	
..... Guang-Wei Tzeng, and Rajkumar Raikar	
Discussions on the Occurrence Probabilities of Observed Freak Waves .....	923
..... Aifeng Tao, Ji Peng, Jinhai Zheng, Yao Wang, and Yuqing Wu	
Current-Induced Seabed Scour around a Pile-Supported Horizontal-Axis Tidal Stream Turbine .....	929
..... Jisheng Zhang, Peng Gao, Jinhai Zheng, Xiuguang Wu, Yuxuan Peng, and Tiantian Zhang	
Experimental Study on the Erosion Stability of Coarse Grain Materials under Waves .....	937
..... Alexander Schendel, Nils Goseberg, and Torsten Schlurmann	
Improved Boundary Values of Ocean Wave Fields Using a Data Assimilation Scheme .....	943
..... Yang-Ming Fan, Heinz Günther, Dong-Jiing Doong, and Chia Chuen Kao	
Evaluation of Tidal Stream Energy around Radial Sand Ridge System in the Southern Yellow Sea .....	951
..... Jinhai Zheng, Jisheng Zhang, Jun Wang, and Aifeng Tao	
Title Index to Volume 23 (2015) .....	957
Author Index to Volume 23 (2015) .....	964
Key Words Index to Volume 23 (2015) .....	967