

ISSN 1674-2370 CODEN WSEAAG



Vol. 9 No. **1** January 2016

Hohai University State Key Laboratory of Hydrology–Water Resources and Hydraulic Engineering Nanjing, P. R. China

Water Science and Engineering

Vol. 9 No. 1 January 2016



Special Section on Coastal Flood Risk

- 1 Preface for special section on coastal flood risk Dominic Reeve
- 3 Comparison between wave generation methods for numerical simulation of bimodal seas *Daniel A. Thompson, Harshinie Karunarathna, Dominic Reeve*
- 14 Predicting coastal morphological changes with empirical orthogonal function method *Fernando Alvarez, Shun-qi Pan*
- 21 Modeling nonstationary extreme wave heights in present and future climates of Greek Seas *Panagiota Galiatsatou, Christina Anagnostopoulou, Panayotis Prinos*
- 33 Application of SWAN+ADCIRC to tide-surge and wave simulation in Gulf of Maine during Patriot's Day storm *Dong-mei Xie, Qing-ping Zou, John W. Cannon*
- 42 Performance of a data-driven technique applied to changes in wave height and its effect on beach response José M. Horrillo-Caraballo, Harshinie Karunarathna, Shun-qi Pan, Dominic Reeve
- 52 Optimization of multi-model ensemble forecasting of typhoon waves Shun-qi Pan, Yang-ming Fan, Jia-ming Chen, Chia-chuen Kao
- 58 Improvement of wind field hindcasts for tropical cyclones *Yi Pan, Yong-ping Chen, Jiang-xia Li, Xue-lin Ding*

Water Engineering

- 67 Modal parameter identification for a roof overflow powerhouse under ambient excitation *Yan Zhang, Ji-jian Lian, Fang Liu*
- 81 An experimental study on embankment failure induced by prolonged immersion in floodwater *Yu-long Luo, Cheng Zhang, Min Nie, Mei-li Zhan, Jin-chang Sheng*
- I Thank you to our peer reviewers
- II Guide for Authors

Executive Editor *Ye Shi*

Language Editor Alexander Baron Available online at www.sciencedirect.com

ScienceDirect



Water Science and Engineering

www.waterjournal.cn

Quarterly, founded in 2008 Vol. 9 No. 1, January 2016

Supervised by Ministry of Education, P. R. China
Sponsored by Hohai University
State Key Laboratory of Hydrology–Water Resources and Hydraulic Engineering

Editor-in-Chief Chao WANG
Published by Hohai University and Elsevier B. V.
Edited by Editorial Board of Water Science and Engineering
Printed by Printing House of Jiangsu Geologic Surveying and Mapping Institute
Editorial Office Address 1 Xikang Road, Nanjing 210098, P. R. China
Tel/Fax: +86-25-83786363

Email: wse2008@vip.163.com; wse@hhu.edu.cn



ISSN 1674-2370 CN 32-1785/TV

