港口海岸与近海工程学院

河口海岸综合治理与保护研究团队

2017 年度报告

河海大学

2017 年 12 月

目录

……1

团队背景……4

团队组成……5

研究内容……6

……7

郑金海……8

张蔚……12

张继生……14

陶爱峰……16

张弛……18

王岗……20

薛米安……22

谭慧明……24

黄挺……25

贺瑞……26

刘鑫……28

管大为……29

陈立华……30

周春艳……31

朱瑞虎……32

时健……33

连宇顺……34

冯曦……35

……36

在研项目……37

论文论著……40

授权专利……44

表彰奖励……45

学术交流.....46
学生培养.....50

1987

1999

2003 2006

2008

2012 2015

Excellent Education and Research, Better Estuaries and Coasts

18 13

			/	
		197202	/	
		197902	/	
		197910	/	
		197810	/	
		198503	/	
		198210	/	
		198112	/	
		198010	/	
		198505	/	
		198212	/	
		198308	/	
		198709	/	
		198403	/	
		198706	/	
		198709	/	
		198707		
		198306		
		198710	/	

1

2

3

4

【基本情况】

1972 2

86-25-83786821
jhzheng@hhu.edu.cn

【主要经历】

20168~2016.9	Royal Academy of Engineering
2016.1-2016.2	Young Scientists Exchange Program
2013.4	University of Dundee
2011.7~2011.8	University of Rostock
2010.12	University of Dundee
2010.7~2010.8	University of Rostock
2006.12	
2005.10~2006.9	Kyoto University
2001.4~206.12	
1998.9~2001.4	
19959~1998.9	
1993.9~1995.7	
1989.9~1993.7	

【在研项目】

51425901

2015.01~2019.12

51379071 2014.01~2017.12

Research on the state database in the Asia-Pacific Zone EDF(China) Holding Ltd.

1045B16047 201412~20177.12

20168096916 20161.10~20177.12

20168091516 2016.092017.06

【近期论文】

Zheng Jinhai, Shi Hongda. Preface for special issue for the eighth Chinese-German joint symposium on hydraulic and ocean engineering. Journal of Ocean University of China, 2017,16(4): 565-567

Zheng Jinhai, Fu Danjuan, Wang Gang. Trapping mechanism for long waves over circular islands with power function profiles. Journal of Ocean University of China, 2017, 16(4): 655-660

Xue Mi-an **Zheng Jinhai***, Lin Pengzhi, Xiao Zhong. Violent transient sloshing wave

interaction with a baffle in a three-dimensional numerical tank. Journal of Ocean University of China, 2017, 16(4): 651-673

Tao Aifeng, Yan Jin, Pei Yeli, **Zheng Jinhai***, Mori Nobuhito. Swells of the East China Sea. Journal of Ocean University of China, 2017, 16(4): 674-682

Yu Zhiwen, Zhang Jisheng*, Zhai Yanyan, Zhang Tiantian, **Zheng Jinhai**. Numerical hydrodynamics study around turbine array of tidal stream farm in Zhoushan, China. Journal of Ocean University of China, 2017, 16(4): 703-708

Zhang Chi, Zhang Qingyang, **Zheng Jinhai***, Demirbilek Zeki. Parameterization of nearshore wave frontlope. Coastal Engineering, 2017, 127: 87-100

Zheng Jinhai, Sang Sang, Wang Jincheng, Zhou Chunyan, Zhao Hongjun. Numerical simulation of typhoon-induced storm surge along Jiangsu coast, Part I: Analysis of tropical cyclone. Water Science and Engineering, 2017, 10(1): 1-7

Zheng Jinhai, Wang Jincheng, Zhou Chunyan, Zhao Hongjun, Sang Sang. Numerical simulation of typhoon-induced storm surge along Jiangsu coast, Part II: Calculation of storm surge. Water Science and Engineering, 2017, 10(1): 8-16

Chen Kefeng, **Zheng Jinhai***, Zhang Chi, Wang Nairui, Zhou Chunyan. 2017. The evolution characteristics of main waterways and their control mechanism in the radial sand ridges of the southern Yellow Sea. Acta Oceanologica Sinica, 36(3): 91-98

Xue Mi-an, **Zheng Jinhai***, Lin Pengzhi, Yuan Xiaoli. Experimental study on vertical baffles of different configurations in suppressing sloshing pressure. Ocean Engineering, 2017, 136: 178-189

Lin Zaibin, Pokrajac Dubravka, Guo Yakun, Jeng Dong-sheng, Tang Tian, Rey Nick, **Zheng Jinhai**, Zhang Jisheng. Investigation of nonlinear wave-induced seabed response around mono-pile foundation. Coastal Engineering, 2017, 121: 211-227

Sui Titi, **Zheng Jinhai**, Zhang Chi, Jeng Dong-sheng, Zhang Jisheng, Guo Yakun, He Rui. Consolidation of unsaturated seabed around an inserted pile foundation and its effects on the wave-induced momentary liquefaction. Ocean Engineering, 2017, 131: 303-308

He Rui, Wang Lizhong, Pak Ronald, Guo Zhenzhi, **Zheng Jinhai**. Vertical elastic dynamic impedance of a large diameter and thin-walled cylindrical shell type foundation. Soil Dynamics and Earthquake Engineering, 2017, 95: 153-158

Peng Dai, Zhang Jisheng, **Zheng Jinhai***. Prediction of Dynamic Tidal Power and associated local hydrodynamic impact in the Taiwan Strait, China. Journal of Coastal Research, 2017, 33(1): 1-15

Xiong Mengjie, Wang Gang, **Zheng Jinhai**, Gao Junliang, Nguyen Viet Thanh. Analytic arrival-time prediction method for the largest wave of Tsunami trapped by parabolic oceanic ridge. Journal of Earthquake and Tsunami, 2017, 11(2): 1740004-1-18

Yanwen Xu, Wei Zhang, Yuliang Zhu, **Jinhai Zheng**. Analytical solution for salt intrusion in multiple-freshwater-source estuaries: application to Humen Estuary. Environmental Earth Sciences, 2017, 76(19): 661

Zheng Jinhai, HOANG Quoc Xuyen, Zhang Chi, Chen Kefeng, Dong Xiaowei, Lei Gang, Wang Yigang. Behavior-oriented calculation of the annual coastal bathymetry evolution caused by a reclamation work. Acta Oceanologica Sinica, 2017, 36(11): 86-93

Yao Zhang, Gang Chen, Jinchun Hu, Xinping Chen, Weixuan Yang, Aifeng Tao, **Jinhai Zheng**. Experimental study on mechanism of slope failure due to wave overtopping Applied Ocean Research, 2017, 68: 171-181

Huang Ting, **Zheng Jinhai**, Zhang Jisheng, Yuan Yu, Wu Bin. Experimental study on the cyclic behavior of monopiles in fine sandy beds under regular waves China Ocean Engineering, 2017, 31(5): 661-671

Dai Peng, Zhang Jisheng, **Zheng Jinhai**. Tidal current and tidal energy changes imposed by a dynamic tidal power system in the taiwan strait, China Oceanic and Coastal Sea Research, 2017, 16(6) 953-964.

Zhang Wei, Feng Haochuan, A.J.F. Hoitink, Zhu Yuliang, Gong Fei, **Zheng Jinhai**. Tidal impacts on the subtidal flow division at the main bifurcation in the Yangtze River Delta Estuarine, Coastal and Shelf Science, 2017, 196: 301-314

Wang, G., Hu, J., **Zheng, J.H.**, Liang, Q.H. Trapped waves over the hyperbolic cosine ocean ridge, Asian and Pacific Coasts 2017, World Scientific: 44-54.

Tao Ai Feng, Yan Jin, Wang Yi, **Zheng Jinhai**, Fan Jun, Qin Chun. Wave Power Focusing due to the Bragg Resonance. China Ocean Engineering, 2017, 31(4): 461-465

Chunyan Zhou, **Jinhai Zheng**, Jisheng Zhang Xiaoying Fu Study on the extreme high water levels and wave heights of different return periods in Laizhou Bay, China. Proceedings of the ASME 2017 36th International Conference on Ocean, Offshore and Arctic Engineering, 25-30 June, 2017, Trondheim, Norway.

Shi Jian, Joly Antoine, **Zheng Jinhai**, Zhang Jisheng, Chen Tian and Chen Guofei. Development of a Sea State Database in the Northwest Pacific Ocean by Long-Term Numerical Hindcast Modelling. International Conference on Nuclear Engineering, 2017, pp.V004T14A008.

Lian Yushun, **Zheng Jinhai**, Liu Haixiao. An investigation on creep and creep-rupture behaviors of HMPE ropes Journal of Offshore Mechanics and Arctic Engineering -Transactions of the ASME, 2018, 140(2) 021401-8.

Lian Yushun, Liu Haixiao, **Zheng Jinhai**. Numerical investigation on dynamic responses of HMPE mooring system with damaged lines Proceedings of the Twenty-seventh (2017) International Ocean and Polar Engineering Conference, 2017, 778-785

, 2017, 39(11): 1-13

, , . . ( ), 2017, 45(3): 263-270

, , . . , 2017, 3: 139-144

, , , Melville B, Wang L. . , 2017, 28 (2): 311-318

, , , , . . ( ), 2017, 45(2): 167-172

, , , . . . , 2017

, , . . , 2017

, , . , , 2017,
4: 138-140

【奖励和表彰】

, 2017
, 2017
2017
, 2017, 1
,
, 2017, 2
: , . ,
, 2017

【授权专利】

, , , , , . ,
, : ZL201510703157.5 2017.8
, , . .
ZL201610240018.8 2017.9.15
, , . , :
ZL201610128829.9 2017.04.19
, , , , .
, : ZL201510747330.1 : 2017.04.05

【学术兼职】

Bentham Science Publisher The Open Civil Engineering Journal
Journal of Ocean Engineering and Marine Energy Chinese Journal of Engineering
China Ocean Engineering Water Science and Engineering

ISOPE
APAC
ICSCE

【基本情况】

1979.02

13815874718

zhangweihhu@126.com

【主要经历】

2015.06

2016.9~2016.10

2015.06-2015.08

2014.06~2014.09

2014.06

2013.03

2011.12~2012.11

2010.01-2015.05

2007.03-2009.03

200303~200612

2001.09-2003.02

1997.09~2001.06

【在研项目】

41676078 2017.01~2020.12

41376094

201401~2017.12

【近期论文】

Xu Yanwen, **Zhang Wei**, Zhu Yuliang, Zheng Jinhai, Analytical solution for salt intrusion in multiple-freshwater-source estuaries: application to Humen Estuary, Environmental Earth Sciences, 2017, 76(19): 661

Zhang Wei*, Feng Haochuan, Hoitink A. J. F., Zhu Yuliang, Gong Wei, Zheng Jinhai, Tidal impacts on the subtidal flow division at the main bifurcation in the Yangtze River Delta, Estuarine Coastal and Shelf Science, 2017, 196: 303-314

Feng Haochuan, **Zhang Wei**, Zhu Yuliang, Lei Zhiyi, Ji Xiaomei, Sampling surface partide size distributions and stability analysis of deep channel in the Pearl River Estuary, China Ocean Engineering, 2017, 31(3): 299-307

Zhang Wei*, Cao Yu, Zhu Yuliang, Wu Yao, Ji Xiaomei, He Yong, Xu Yanwen, Wang Weiguang, Flood frequency analysis for estimations of extreme maximum water levels in the Pearl River Delta, Ocean Engineering, 2017, 129: 115-127

【奖励和表彰】

2014

9

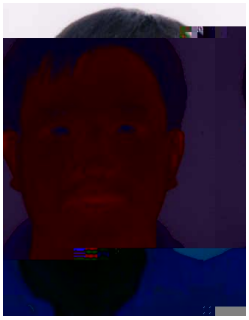
2012 9

2011 3

2010 3

2009 4

2009 7



【基本情况】

1979 10

- -

86-25-83786619

jszhang@hhu.edu.cn

【主要经历】

2014.7~2014.8 University of Dundee

2013.7~2013.8 University of Dundee

2015.7

2012.4~2015.6

2011.12~2012.3

2009.6~2011.11 University of Dundee

2009.1~2009.5 Fisheries Research Services, Scotland

2005.4~2009.5 University of Aberdeen

2002.9~2005.3

1998.9~2002.7

【在研项目】

1

GHME2017YY01 2017.7~2020.6

2

2017YFC1404200 2017.7~2020.12

3

51479053 2015.1~2018.12

4

2016.10~2017.5

【近期论文】

（1） Zhang Yuquan, **Zhang Jisheng***, Zheng Yuan, Yang Chunxia, Zang Wei, Fernandez-Rodriguez E. Experimental analysis and evaluation of the numerical prediction of wave characteristics of tidal stream turbine. Energies, 2017, 10, 2057.

（2） Yu Zhiwen, **Zhang Jisheng***, Zhai Yanyan, Zhang Tiantian, Zheng Jinhai. Numerical hydrodynamics study around turbine array of tidal stream farm in Zhoushan, China. Journal of Ocean University of China, 2017, 16(4): 605-611.

（3） Dai Peng, **Zhang Jisheng**, Zheng Jinhai, 2017. Predictions for dynamic tidal power and associated local hydrodynamic impact in the Taiwan Strait, China. Journal of Coastal Research, 2017, 33(1): 149-157.

（4） Peng Wei, Huang Xiaoyan, Fan Yaning, **Zhang Jisheng***, Ren Xingyue. Numerical analysis and performance optimization of a submerged wave energy converting device

based on the floating breakwater. Journal of Renewable and Sustainable Energy, 2017, 9, 044503.

5 Huang Ting, Zheng Jinhai, **Zhang Jisheng**, Yuan Yu, Wu Bin. Experimental study on the cyclic behavior of monopiles in fine sandy beds under regular waves. China Ocean Engineering, 2017, 31(5): 607-617.

6 Rui He, **Jisheng Zhang**, Weiyun Chen, Using the Elastic Vertical Vibration of a Rigid Caisson at Low Frequencies to Stabilize the Foundation of Coastal Engineering Structures. Journal of Coastal Research, 2017, 33(4): 989-996.

7 Chunyan Zhou, Jinhai Zheng, **Jisheng Zhang**, Xiaoying Fu. Study on the extreme high water levels and wave heights of different return periods in Laizhou Bay, China. Proceedings of the ASME 2017 36th International Conference on Ocean, Offshore and Arctic Engineering, 25-30 June, 2017, Trondheim, Norway.

（8） Shi Jian, Joly Antoine, Zheng Jinhai, **Zhang Jisheng**, Chen Tian and Chen Guofei. Development of a Sea State Database in the Northwest Pacific Ocean by Long-Term Numerical Hindcast Modelling. International Conference on Nuclear Engineering, 2017, pp.V004T14A008.

9 , , , , . . , 2017, 45(3): 256-262.

【奖励和表彰】

1 2017 8/9

2 2017 , 2017, 7

3 , , 2017, 3

4 : . , , 2017

【学术兼职】

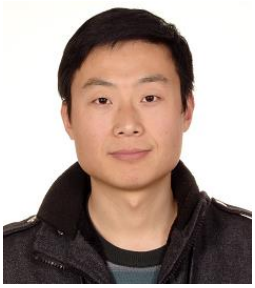
1

2 AHG7

3

4

5 Journal of Water Resource and Ocean Science



【基本情况】

1978 10

86-25-83787914
aftao@hhu.edu.cn

【主要经历】

2012.7~
2015.8.19~26
2015.1~2015.2
2009. 9 ~2012.6
2010.7~2010.9
2008.3~2009.7
20043~2007.12
2006.10~2006.11
20029~20043
1998.9~2002.7

【在研项目】

1
51579091 2016.1-2019.12,
2 ,
20145028412 , 2014.9~2017.8,
3 20178082406
201709~2017.11
4 ,
(2016B05214), 2017.1-2018.12,

【主要编著】

1 , 2011. General rules for design of Port and Waterway Works JTS141-2011 . China Communications Press .Book No. 15114.1664

【近期论文】

1 **Aifeng Tao**, Jin Yan, Yi Wang, Jinhai Zheng, Jun Fan, Chuan Qian, Wave Power Focusing due to the Bragg Resonance, China Ocean Engineering, 2017, 458-465.
2 **Aifeng Tao**, Jin Yan, Ye Pei, Jinhai Zheng, Nobuhito Mori, Swells of the East China Sea, Journal of Ocean University of China, 2017, 16: 674-682.
3 , , , , , , 2017, 7:49-52.
4 , , , , , ,

【基本情况】

1985 3

86-25-83787914
zhangchi@hhu.edu.cn

【主要经历】

2012.6
2010.10~2011.10 University of Dundee
2010.6~2012.6
2007.3~2010.6
2005.9~2007.3
2001.9~2005.7

【在研项目】

BK20161509 2016.07~2019.06

【主要编著】

, 2010. . .
, , , 2015. Coastal Hydrodynamics and Morphodynamics .
.

【近期论文】

Zhang Chi, Zhang Qingyang, Zheng Jinhai, Demirbilek Zeki. Parameterization of nearshore wave front slope. Coastal Engineering, 2011, 27: 80-87.

Sui Titi, Zheng Jinhai, **Zhang Chi***, Jeng Dong-Sheng, Zhang Jisheng, Guo Yakun, He Rui. Consolidation of unsaturated seabed around an inserted pile foundation and its effects on wave-induced liquefaction. Ocean Engineering, 2011, 31: 308-321.

Zheng Jinhai, Hoang Quoc Xuyen, **Zhang Chi***, Chen Kefeng, Dong Xiaowei, Lei Gang, Wang Yigang. Behavior-oriented calculation of the annual coastal bathymetry evolution caused by a reclamation work. Acta Oceanologica Sinica, 2017, 36(11): 86-93.

Xie Mingxiao, **Zhang Chi**, Yang Zhiwen, Li Shan, Li Xin, Guo Weijun, Zuo Shuhua. Numerical modeling of the undertow structure and sandbar migration in the surf zone. China Ocean Engineering, 2013, 27(5): 549-558.

Chen Kefeng, Zheng Jinhai, **Zhang Chi**, Wang Nairui, Zhou Chunyan. The evolution characteristics of main waterway and its control mechanism in the radial sand ridges of the Southern Yellow Sea. Acta Oceanologica Sinica, 2017, 36(3): 91-98.

【奖励和表彰】

1

2017 1

2

2017 3

3 C 2017

【基本情况】

1982 10

13813983932
gangwang@hhu.edu.cn

【主要经历】

2015.7
2015.7~2016.7
2011.1~2015.6
2011.6~2013.6
2005.9~2011.4
2001.9~2005.6

【在研项目】

51579090 2016.01-2019.12

2017.07-2020.12

【近期论文】

Xiong Mengjie, **Wang Gang**, Zheng Jinhai., Gao Junliang, Nguyen Viet Thanh, Analytic arrival-time prediction method for the largest wave of Tsunami trapped by Parabolic Oceanic Ridges. Journal of Earthquake and Tsunami, 2017, 11(1):1740004-1740018.

Wang Gang, Sun Zhongbin, Gao Junliang, Ma Xiaozhou. Numerical study of edge waves using extended Boussinesq equations. Water Science and Engineering, 2017 (in press)

Zheng Jinhai, Fu Danjuan, **Wang Gang**. Trapping mechanism for long waves over circular islands with power function profiles. Journal of Ocean University of China, 2017, 16 (4):655-660.

Wang, G., Hu, J., Zheng, J.H., Liang, Q.H., Trapped waves over the hyperbolic cosine ocean ridge, Asian and Pacific Coasts 2017, World Scientific:44-54.

, , , , . . , 2017, 39(11):1-13.

, . ,

, 2017

, , , , , .

. , 2017,6: 43-47.

【奖励和表彰】

2017 , 2017

2017

, 2017, 5

(4/7), 2017

【基本情况】

1981.12

MTLD

15996310572

mi-anxue@163.com

【主要经历】

201508~2016.08 Newcastle University City University London

201309~ (2014 6)

201109~201309 2013 7

200609~201107

【在研项目】

51679079 2017.01 2020.12

HESS-1703 2017.05~2020.05

【主要编著】

2013.

【近期论文】

Mi-An Xue, Jinhai Zheng, Pengzhi Lin, Xiaoli Yuan. Experimental study on vertical baffles of different configurations in suppressing sloshing pressure. Ocean Engineering, 2017, 136: 178-189.

Mi-An Xue, Jinhai Zheng, Pengzhi Lin, Zhong Xiao. Violent Transient Sloshing Wave Interaction with a Baffle in a Three-Dimensional Numerical Tank. Journal of Ocean University of China, 2017, 16(4): 661-673.

, , . . , 2017, 43(25): 36-38.

, , , . .

, 2017 .

【授权专利】

,

ZL 20162 1284334.7 2017.07.11

【奖励和表彰】

2014

2014

2017 6

【学术兼职】

Meccanica Ocean Engineering China Ocean Engineering Applied Ocean Research

【基本情况】

1980 10

13770759876

thming@hhu.edu.cn

【主要经历】

2015.12 2016.12 University of Adelaide

2012.9

2010.11 2012.9

2008.9 2010.11

2003.9 2008.6

1999.9 2003.6

【在研项目】

1

(51639002) 2017.01~2021.12

【近期论文】

1 , , .373.37 Tm [(,)] TJ ET EMC1 1 126.02 420.17 Tm [(()]1 0 1 8224473 673

ET EMC /P <</MCID 8160> BDC BT 1 0 0 1 166.02 426419 Tm [<0230B] TJ ET EMC /P <</MCID 16>/Lang (en-US

【基本情况】

1983 8

13776673815

huangting@hhu.edu.cn

【主要经历】

2017.9~ COFS

2017.6-

2012.6-2017.6

2013.3~2016.6

2006.9~2012.6

2001.9-2005.6

【在研项目】

1 51408185

2015.1~2017.12

2 2017B15714

2018.1-2019.12

【近期论文】

1 **HUANG Ting**, ZHENG Jin-hai, ZHANG Ji-sheng, YUAN Yu, WU Bin. Experimental Study on the Cyclic Behavior of Monopiles in Fine Sandy Beds under Regular Waves. China ocean engineering, 2017, 31(5): 607~617.

2 , , . .

, 2017, 526(3): 130-137

授权专利

1 , , . ,

ZL201610128829.9 2017.04.19

2 , , , , .

, ZL201510747330.1 2017.04.05

【基本情况】

1987 9

86-25-83786619
herui@hhu.edu.cn

【主要经历】

2014.12
2013.09-2014.09 University of Colorado, Boulder
2009.09-2013.09
2005.09-2009.07

【在研项目】

1

20155034811 2016.01~2018.12

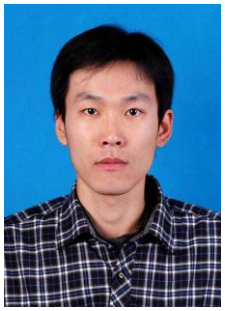
2

8 , , . .
( ), 2017, 45(3): 263-270

授权专利

1 , , . .
ZL201610240018.8 2017.9.15.

2 , , , , .
, ZL201510747330.1 2017.04.05



【基本情况】

1984 3

+86 18761862880
liuxin1984@hhu.edu.cn; lookout1984@foxmail.com

【主要经历】

2003.9~2007.6
2007.9~2012.12
2013.1~2015.6
2015.8

【在研项目】

1 SPH
51609076 2017.1~2019.12
2 SPH
szjj2017-099 201703~201906

【学术兼职】

1 Journal of Hydroenvironment Research Applied Ocean Research Coastal Engineering Journal ASME Journal of Fluids Engineering SCI

【基本情况】

1987 6

18752008050
david.guan@hhu.edu.cn

【主要经历】

2017.12
2016.8-2017.11 NanyangTechnological University
2015.9~2016.8
2015.6~2015.8 The University ofAuckland
2011.9~2015.7 The University of Auckland
2010.9~2011.8
2006.9~2010.6

【在研项目】

1
2013B15020289 2015.11~2017.10
2 SMI-2014-OF-12
201607~2017.11
3
2017.09~2018.09

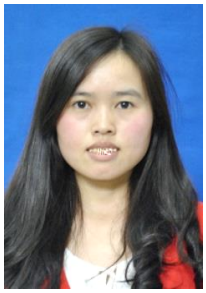
【近期论文】

1 Bruce Melville . .
, 2017,28(2):311-318.

【学术兼职】

（1） Journalof Hydraulic Engineering-ASCE Journal ofHydraulic Research
International Journal of Sediment Research, Ecological Engineering SCI

【基本情况】



1985 5

15950579913
cyzhou@hhu.edu.cn

【主要经历】

2017.1-
2014.11-2016.11
2010.9~2014.8
2007.9~2010.8
2003.9~2007.7

【在研项目】

1
(41606042) 2017.01~2019.12
2
SKHL1428 2015.04~2017.05
3
2017B00314 2017.03~2020.12

【近期论文】

1 **Chunyan Zhou**, Jinhai Zheng, Jisheng Zhang Xiaoying Fu Study on the extreme high water levels and wave heights of different return periods in Laizhou Bay, China. Proceedings of the ASME 2017 36th International Conference on Ocean, Offshore and Arctic Engineering, 25-30 June, 2017, Trondheim, Norway.

2 Zheng Jinhai, Sang Sang, Wang Jincheng, **Zhou Chunyan**, Zhao Hongjun. Numerical simulation of typhoon-induced storm surge along Jiangsu coast, Part I: Analysis of tropical cyclone. Water Science and Engineering, 2017, 10(1): 2

3 Zheng Jinhai, Wang Jincheng, **Zhou Chunyan**, Zhao Hongjun, Sang Sang. Numerical simulation of typhoon-induced storm surge along Jiangsu coast, Part II: Calculation of storm surge. Water Science and Engineering, 2017, 10(1): 8

4 Chen Kefeng, Zheng Jinhai, Zhang Chi, Wang Nairui, **Zhou Chunyan**. 2017. The evolution characteristics of main waterways and their control mechanism in the radial sand ridges of the southern Yellow Sea. Acta Oceanologica Sinica, 36(3): 91-98

【奖励和表彰】

1 2017

【基本情况】

1983 6

86-25-83787727
zhuruihu1983@163.com

【主要经历】

2012.4
2009.7~2012.4
2014.9
2006.9~2009.6

【在研项目】

1
51709093 2018.01~2020.12
2 20175017402
2016.07~2019.12
3
20175017212 201607~2019.12
4
20178055216 2017.05~2018.05
5 20168076016 2016.07~2018.07

【近期论文】

1 , , . , ,
2017, 45(9): 445-450.
2 . , ,
2017,37(7): 48-50.
3 , , . , , 2017,
4: 138-140.

【奖励和表彰】

1 6/10

【授权专利】

1 , , , , , . ,
, : ZL201510703157.5 2017.08
2 , , , , . , ,
: ZL201510138596.6 2017.03

【基本情况】

1987 9

13770984093
jianshi@hhu.edu.cn

【主要经历】

2006.6~2010.7
2010.6~2016.7
2013.9~2015.3
2016.9~2016.10
2017.9~2017.11
2016.8~

【在研项目】

K-H
41706087 2018.01-2020.12
K-H
BK20170867 2017.07-2019.06
(2017YFC0405400)
2017.07-2020.12

B16020133 201701~2018.12
Research on the sea state database in the Pacific Zone EDF(China) Holding Ltd.
1045B16047 2014.12~2017.12

【近期论文】

Shi Jian, Joly Antoine, Zheng Jinhai, Zhang Jisheng, Chen Tian and Chen Guofei. Development of a Sea State Database in the Northwest Pacific Ocean by Long-Term Numerical Hindcast Modelling. International Conference on Nuclear Engineering, 2017, pp.V004T14A008.

, , , , . .
( ), 2017,45(2):167-174.

【授权专利】

. , , : CN201510673876.7, 2017.12

【基本情况】

1987 7

15205196926

yushunlian@hhu.edu.cn

【主要经历】

201609

2010.10~2016.01

2006.09~2010.07

【在研项目】

51609079 2017.01~2019.12

(20170013),

2017.10~2019.10,

2017B11314 201801.01-2019.12.31

【近期论文】

Lian Yushun，Zheng Jinhai Liu Haixiao. An investigation oncreep andcreep-rupture behaviors of HMPE ropes Journal of Offshore Mechanicsand Arctic Engineering -Transactions of theASME, 2018, 140(2)21401-8.

Lian Yushun, Liu Haixiao, Zhang, Yuming An experimental investigation on fatigue behaviors ofHMPE ropesOcean Engineering, 2017, 139: 23-29.

Lian Yushun, Liu Haixiao, Zheng JinhaiNumerical investigation on dynamic responses of HMPE mooring system with damaged linesProceedings of the Twenty-seventh (2017) International Ocean and Polar Engineering Conference, 2017,778-785.

, , . .

, 2017.

【专著】

. .

. 2017.ISBN 978-7-5630-4741-3.

【基本情况】

1987 10

15150509040
xifeng@hhu.edu.cn

【主要经历】

2017.2~
201602~2016.11
201008~2015.12
200609~201006

【在研项目】

,

, 51709091 2017.09~2020.12

, ,

BK20170874 , 2017.07~2020.06

【近期论文】

Shao, D., **Feng, X.**, Feng, W., Hong, G. Harbor oscillations on a piecewise bottom of two different slopes. Journal of Marine Science and Technology, 2017, 22(4): 633-654.

Shao, D., **Feng, X.**, Feng, W., Hong, G. Numerical investigation of oscillations induced by submerged sliding masses within a harbor of constant slope. Applied Ocean Research, 2017, 63: 49-64.

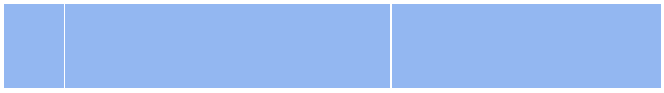
Lu Yang, Feng Weibing, Zhang Yu, **Feng Xi**. A numerical model for edge waves on a compound slope. China Ocean Engineering, 2017, 31(2): 177-187

, Maitaine Olabarrieta, Arnoldo Valle-Levinson.

. , 2017

【学术兼职】

Chinese Sciene Bulletin



15	K-H		41706087	2018.01-2020.12
16			51609079	2017.01~2019.12
17			51709093	2018.01~2020.12
18			51709091	2017.09~2020.12
19			20155034811	2016.01~2018.12
20			GHME2017YY01	201707~202006
21			2017YFC1404200	201707~2020.12
22			30175052412	2017.07~2020.12
23			2017YFC0405400	2017.07-2020.12
24				

30			HESS-1703	2017.05~2020.05
31			20145028412	2014.09~2017.08
32			2016B05214	201701~2018.12
33			2017B15714	201801~2019.12
34			2017B00314	2017.03~2020.12

44			2017	2017.09~2018.09
45			20168103116	2016.09~2017.06
46			20178055216	2017.05~2018.05
47			20168076016	2016.07~2018.07
48			2017	2016.10~2017.05
49			20178082406	201709~2017.11
50	Research on the sea sta database in the Asia-Pacific Zone	EDF(China) Holding Ltd.	1045B16047	2014.12~2017.12

2017 63 38 16
4 5

【外文期刊论文】

1 **Zheng Jinhai**, Shi Hongda. Preface for special issue for the eighth Chinese-German joint symposium on hydraulic and ocean engineering[J]. Journal of Ocean University of China, 2017,16(4): 565-567

2 **Zheng Jinhai**, Fu Danjuan, **Wang Gang**. Trapping mechanism for long waves over circular islands with power function profiles[J]. Journal of Ocean University of China, 2017, 16(4): 655-660

3 **Xue Mi-an**, **Zheng Jinhai***, Lin Pengzhi, Xiao Zhong. Violent transient sloshing-wave interaction with a baffle in a three-dimensional numerical tank[J]. Journal of Ocean University of China, 2017, 16(4): 661-673

4 **Tao Aifeng**, Yan Jin, Pei Ye, **Zheng Jinhai***, Mori Nobuhito. Swells of the East China Sea[J]. Journal of Ocean University of China, 2017, 16(4): 674-682

5 Yu Zhiwen, **Zhang Jisheng***, Zhai Yanyan, Zhang Tiantian, **Zheng Jinhai**. Numerical

hydrodynamics study around turbine array of tidal stream farm in Zhoushan, China. Journal of Ocean University of China, 2017, 16(4): 703-708

6 **Zhang Chi**, Zhang Qingyang, **Zheng Jinhai***, Demirbilek Zeki. Parameterization of nearshore wave front slope. Coastal Engineering, 2017, 127: 67-80

7 **Zheng Jinhai**, Sang Sang, Wang Jincheng, **Zhou Chunyan**, Zhao Hongjun. Numerical simulation of typhoon-induced storm surge along Jiangsu coast, Part I: Analysis of tropical cyclone. Water Science and Engineering, 2017, 10(1): 2

8 **Zheng Jinhai**, Wang Jincheng, **Zhou Chunyan**, Zhao Hongjun, Sang Sang. Numerical simulation of typhoon-induced storm surge along Jiangsu coast, Part II: Calculation of storm surge. Water Science and Engineering, 2017, 10(1): 8

9 Chen Kefeng, **Zheng Jinhai***, **Zhang Chi**, Wang Nairui, **Zhou Chunyan**. 2017. The evolution characteristics of main waterways and their control mechanism in the radial sand ridges of the southern Yellow Sea. Acta Oceanologica Sinica, 36(3): 91-98

10 **Xue Mi-an**, **Zheng Jinhai***, Lin Pengzhi, Yuan Xiaoli. Experimental study on vertical baffles of different configurations in suppressing sloshing pressure. Ocean Engineering, 2017, 136: 178-189

11 Lin Zaibin, Pokrajac Dubravka, Guo Yakun, Jeng Dong-sheng, Tang Tian, Rey Nick, **Zheng Jinhai**, **Zhang Jisheng**. Investigation of nonlinear wave-induced seabed response around mono-pile foundation. Coastal Engineering, 2017, 121: 211-227

12 Sui Titi, **Zheng Jinhai**, **Zhang Chi**, Jeng Dong-sheng, **Zhang Jisheng**, Guo Yakun, **He Rui**. Consolidation of unsaturated seabed around an inserted pile foundation and its effects on the wave-induced momentary liquefaction. Ocean Engineering, 2017, 131: 308-321

13 **He Rui**, Wang Lizhong, Pak Ronald, Guo Zhenzhong, **Zheng Jinhai**. Vertical elastic dynamic impedance of a large diameter and thin-walled cylindrical shell type foundation. Soil Dynamics and Earthquake Engineering, 2017, 95: 138-152

14 **Zheng Jinhai**, HOANG Quoc Xuyen, **Zhang Chi**, Chen Kefeng, Dong Xiaowei, Lei Gang, Wang Yigang. Behavior-oriented calculation of the annual coastal bathymetry evolution caused by a reclamation work. Acta Oceanologica Sinica, 2017, 36(11): 86-93

15 Yao Zhang, Gang Chen, Jinchun Hu, Xinping Chen, Weixuan Yao, **Aifeng Tao**, **Jinhai Zheng**. Experimental study on mechanism of seabed failure due to wave overtopping. Applied Ocean Research, 2017, 68: 171-181

16 **Huang Ting**, **Zheng Jinhai**, **Zhang Jisheng**, Yuan Yu, Wu Bin. Experimental study on the cyclic behavior of monopiles in fine sand

thebed-113(j)5(n .)] Td an1( )-33(egt)6(j)-204(an1( )w ET EMC /P <</MCID 224/Lan3 (en-US)>> BDC BT 1 0 0 1 482.86 337

intrusion in multiple freshwater-source estuaries: application to Humen Estuary Environmental Earth Sciences, 2017, 76(19): 661

21 Feng Haochuan, **Zhang Wei**, Zhu Yuliang, Lei Zhiyi, Ji Xiaomei, Sampling surface particle size distributions and stability analysis of deep channel in the Pearl River Estuary, China Ocean Engineering, 2017, 31(3): 299-307

22 **Zhang Wei***, Cao Yu, Zhu Yuliang, Wu Yao, Ji Xiaomei, He Yong, Xu Yanwen, Wang Weiguang, Flood frequency analysis for alterations of extreme maximum water levels in the Pearl River Delta, Ocean Engineering, 2017, 129: 117-127

23 Zhang Yuquan, **Zhang Jisheng***, Zheng Yuan, Yang Chunxia, Zang Wei, Fernandez-Rodriguez E. Experimental analysis and evaluation of theoretical prediction of wave characteristics of tidal stream turbine. Energies, 2017, 10, 2057

24 Dai Peng, **Zhang Jisheng**, **Zheng Jinhai**, 2017. Predictions for dynamic tidal power and associated local hydrodynamic impact in the Taiwan Strait, China. Journal of Coastal Research, 2017, 33(1): 149-157

25 Peng Wei, Huang Xiaoyan, Fan Yaning, **Zhang Jisheng***, Ren Xingyue. Numerical analysis and performance optimization of a submerged wave energy converting device based on the floating breakwater. Journal of Renewable and Sustainable Energy, 2017, 9: 044503

26 Xie Mingxiao, **Zhang Chi**, Yang Zhiwen, Li Shan, Li Xin, Guo Weijun, Zuo Shuhua. Numerical modeling of the undertow structure and sandbar migration in the surf zone. China Ocean Engineering, 2017, 31(5): 549-558

27 Xiong Mengjie, **Wang Gang**, **Zheng Jinhai**, Gao Junliang, Nguyen Viet Thanh, Analytic arrival-time prediction method for the largest wave of Tsunami trapped by Parabolic Oceanic Ridges. Journal of Earthquake and Tsunami, 2017, 11(1): 1740004-1-1740018

28 **Wang Gang**, Sun Zhong-bin, Gao Junliang, Ma Xiao-zhou. Numerical study of edge waves using extended Boussinesq equations. Water Science and Engineering, 2017 (in press)

29 **Rui He**, **Jisheng Zhang**, Weiyun Chen: Using the Elastic Vertical Vibration of a Rigid Caisson at Low Frequencies to Stabilize the Foundation of Coastal Engineering Structures. Journal of Coastal Research, 2017, 33(4): 979-989

30 **Rui He**. Dynamic vertical impedance of a submarine strip foundation in ocean engineering: Water wave pressure effect. Ocean Engineering, 2017, 139: 116-126

31 Weiyun Chen, Yu Huang, Zhihua Wang, **Rui He**, Guoxing Chen, Xiaojun Li: Horizontal and vertical motion at surface of a gassy ocean sediment layer induced by obliquely incident SV waves. Engineering Geology, 2017, 227: 47-53

32 **Rui He**, R.Y.S. Pak, L.Z. Wang: Elastic lateral dynamic impedance functions for a rigid cylindrical shell type foundation. International Journal for Numerical and Analytical Methods in Geomechanics, 2017; 41(4): 508-526

33 **Li-Hua Chen,** Rui Han, Huan Zhang, Xiang-Hong Xu, Hong-Bo Shao, Ming-Yue Wang, Yao Cheng, Xiao-Hou Shao, Irrigating continuous cropping with D9 fortified waste water could control the Fusarium wilt of Artemisia selengensis, Applied Soil Ecology, 2017, 113: 127-134

34 **Lian Yushun**, **Zheng Jinhai**, Liu Haixiao. An investigation on creep and creep-rupture behaviors of HMPE ropes Journal of Offshore Mechanics and Arctic Engineering

-Transactions of the ASME, 2018, 140(2): 021401-8

35 **Lian Yushun,** Liu Haixiao, Zhang, Yuming. An experimental investigation on fatigue behaviors of HMPE ropes. Ocean Engineering, 2017, 139: 232-249

36 Shao, D., **Feng, X.**, Feng, W., Hong, G. Harbor oscillations on a piecewise bottom of two different slopes. Journal of Marine Science and Technology, 2017, 22(4): 633-654

37 Shao, D., **Feng, X.**, Feng, W., Hong, G. Numerical investigation of oscillations induced by submerged sliding masses within a harbor of constant slope. Applied Ocean Research, 2017, 63: 49-64

38 Lu Yang, Feng Weibing, Zhang Yi, **Feng Xi**. A numerical model for edge waves on a compound slope. China Ocean Engineering, 2017, 31(2): 167-172

【中文期刊论文】

1 , 2017, 39(11): 1-13

2 , , . . ( ), 2017, 45(3): 263-270

3 , , . . , 2017, 526(3): 130-144

4 , , , Melville B, Wang L. . , 2017, 28 (2): 311-318

5 , , , , . . ( ), 2017, 45(2): 167-172

6 , , , , . . , 2017, 45(3): 256-262

7 , , , , , , 2017, 7: 49-52

8 , , , , , , 2017, 6: 23-27

9 , , , , , , , 2017, 2: 12-22

10 , , , , , . . , 2017, 6: 43-47

11 , , . . , 2017, 43(25): 36-38

12 , , , . . , 2017

13 , , . - . , 2017, 38(1): 72-79

14 , , . , , 2017, 45(9): 445-450

15 . , , 2017, 37(7): 48-50

16 , , . , , 2017, 4: 138-140

【国际会议论文】
1

: ZL201510138596.6 2017.03

8 , . , , : CN201510673876.7, 2017.12

9 , , . . ZL201610240018.8 2017.9.15

10 , , . , ZL201610128829.9 2017.04.19

11 , , , , . , ZL201510747330.1 2017.04.05

1 , , 2017

2 , , 2017

3 , , , , , , , 2017 , 2017

4 . , , 2017

5 . , , 2017

6 , , 2017

7 , , , , , . , , 2017

8 , C 2017

9 4/6 2017

10 2017

11 2017 8/9

12 2017, 2/5

13 2017

14 6/10

【举办会议】

2017		2017.12.15~16
		2017.12.01~02

【大会报告】

	International Conference on Asian and Pacific Coasts	Non-hydrostatic numerical model for simulating estuarine and coastal hydrodynamics		2017.10.19~21
				2017.05.10~12
				2017.12.01~03
		Investigation on the swells of East China Sea based swell tracking		2017.09.23~24

【大会主持】

			2017.09.22~25
	2017		2017.12.15~16
			2017.12.01~02

【分会主持】

				2017.9.22~23

【分会报告】

		Analytic Study on Long Wave Transformation over a Seamount with a Pit		

	36th International Conference on Ocean, Offshore and Arctic Engineering	Study on the extreme high water levels and wave heights of different return periods in Laizhou Bay, China.	Trondheim, Norway.	2017.06.25 ~30
				201709.22 ~25

【邀请讲学】

	University of Bradford	Wave-soil-pipeline interaction investigation	201704.08~16
		Meteotsunamis in the Great Lakes ar Beyond: An Overlook Hazard	2017.03.23

【毕业学生】

	130203010001			
	141303020042			
	141303020039			
	141303020056			
Akoto	M2014040		Hydrodynamics and sediment transport proces due to land reclamation in Tong Zhou Bay	
	151603010002			
	151603010016			
	151603010014			
	141603010040			
	1240315037			
	1240315036			
	1240323026			
	1418032200			
	1240323019			
	151803140093			
	141303020023			
	141303020021			
	141303020016			

	151603010023			
	151603010001			
	141803220036			
Richard Asumadu	M2014037		Wave-induced response of sandy seabed around twin impermeable breakwaters	
	1020302202			
	141303020058			
	141303020033			
	141303020030			
	141303020066			
	141303020055			
	151603010075			
	151603010025			
	141303030003			
	151603010009			
	151603010046			
	141303030002		GPU	

【创新项目】

			2017.11.16
			2017.09.23
			2017
			2017
			2017
			2017.10
			2017.10