



# COASTLAB2020

8<sup>th</sup> INTERNATIONAL CONFERENCE ON THE APPLICATION OF  
PHYSICAL MODELLING IN COASTAL AND PORT ENGINEERING AND  
SCIENCE

## CALL FOR ABSTRACTS

Homepage: [www.coastlab2020.com](http://www.coastlab2020.com)

Conference Email: [coastlab2020@zju.edu.cn](mailto:coastlab2020@zju.edu.cn)

[coastlab2020@gmail.com](mailto:coastlab2020@gmail.com)

### LOC Chairs of CoastLab2020

Pengzhi Lin, Sichuan University

Zhiguo He, Zhejiang University

Dezhi Ning, Dalian University of Technology



COASTLAB2020 – Zhoushan, China – Dec 9<sup>th</sup>-12<sup>th</sup>, 2020

## **WELCOME LETTER**

On behalf of the CoastLab2020 Organizing Committees, it is our great pleasure to invite you to participate in the **8<sup>th</sup> International Conference on the Application of Physical Modelling in Coastal and Port Engineering and Science (CoastLab2020)** during the **9<sup>th</sup> -12<sup>th</sup> of December, 2020** in **Zhoushan, China**. CoastLab2020 is organized under the auspices of the International Association of Hydro-Environment Engineering and Research (IAHR). It will be jointly hosted by Zhejiang University, Dalian University of Technology, Sichuan University and Zhejiang Ocean University, and co-organized by Bureau of Science and Technology of Zhoushan, Hohai University, Nanjing Hydraulic Research Institute, Ningbo University, Journal of Marine Science and Engineering, Key Laboratory of Offshore Geotechnics and Material of Zhejiang Province, International Joint Research Center for Offshore Civil Engineering (Ministry of Science and Technology of the People's Republic of China), The Engineering Research Center of Oceanic Sensing Technology and Equipment (Ministry of Education of the People's Republic of China).

Coastlab2020 will build on the successes of previous conferences held in Porto (2006), Bari (2008), Barcelona (2010), Ghent (2012), Varna (2014), Ottawa (2016) and Santander (2018). It will provide a stimulating and enriching forum to discuss the latest developments in physical modelling applied to coastal engineering and new trends in coastal sciences.

The Coastlab2020 will be part of celebration programs of IAHR 85th anniversary. We are pleased to have the president of IAHR, Prof. Joseph H.W. Lee, to be our guest of honor during the opening ceremony! Collaborating with the Coastal and Maritime Hydraulics Committee of IAHR, we are looking forward to hosting a successful Coastlab2020 in Zhoushan.

Yours Sincerely



Pengzhi Lin



Zhiguo He



Dezhi Ning

## **INTERNATIONAL SCIENTIFIC COMMITTEE**

### **CHAIRS:**

Philip L.-F. Liu (National University of Singapore)

Chunhong Hu (China Institute of Water Resources and Hydropower Research)

Huajun Li (Ocean University of China)

Yonghe Xie (Zhejiang Ocean University)

### **MEMBERS:**

Maurizio Brocchini	Università Politecnica delle Marche, Ancona, Italy
Kuang-An Chang	Texas A&M University, USA
Niansheng Cheng	Zhejiang University, China
Guohai Dong	Dalian University of Technology, China
Xiping Dou	Nanjing Hydraulic Research Institute, China
David R. Fuhrman	Technical University of Denmark (DTU), Kgs. Lyngby, Denmark
Nils Goseberg	Technische Universität Braunschweig, Braunschweig, Germany
Qing He	East China Normal University, China
Daji Huang	Fouth Institute of Oceanography, MNR, China
Zhenhua Huang	University of Hawaii at Manoa, USA
Alexander Horner-Devine	University of Washington, USA
Atilla Incecik	University of Strathclyde, Glasgow, United Kingdom
Dong-Sheng Jeng	Griffith University, Australia
Changbo Jiang	Changsha University of Science & Technology, China
Abbas Khayyer	Kyoto University, Kyoto, Japan
Javier L. Lara	Universidad de Cantabria, Santander, Spain
Huajun Li	Ocean University of China, China
Wanhong Li	National Natural Science Foundation of China, China
Hua Liu	Shanghai Jiao Tong University, China
Yong Liu	Ocean University of China, China
Ryan Lowe	The University of Western Australia, Australia
Yongjun Lu	Nanjing Hydraulic Research Institute, China
Nobuhito Mori	Kyoto University, Kyoto, Japan
Subramaniam Neelamani	Kuwait Institute for Scientific Research, Kuwait
Ioan Nistor	University of Ottawa, Canada
Peter Nielsen	University of Queensland, Brisbane, Queensland, Australia
Thomas O'Donoghue	University of Aberdeen, Aberdeen, Scotland, UK
Valeri Penchev	Black Sea Danube Coastal Research Association, Bulgaria
Enrique Peña	University of A Coruña, Spain
Francisco Pinto	University of Porto, Portugal
Dominic E. Reeve	Swansea University, Swansea, Wales, UK
Agustín Sánchez-Arcilla	Universitat Politècnica de Catalunya (UPC), Barcelona, Spain
Marcel Stive	Delft University of Technology, the Netherlands
James Sutherland	HR Wallingford, Wallingford, UK

Hitoshi Tanaka	Tohoku University, Japan
Peter Troch	Ghent University, Ghent, Belgium
Nguyen Trung Viet	Thuyloi University, Vietnam
Marcel van Gent	Deltares, Delft, the Netherlands
Xiaohua Wang	University of New South Wales, Australia
Yuanzhan Wang	Tianjin University, Tianjin, China
Zhengbing Wang	Delft University of Technology, the Netherlands
Weiming Wu	Clarkson University, USA
Yonghe Xie	Zhejiang Ocean University, China
Qingshu Yang	Sun Yat-sen University, China
Zaijin You	Dalian Maritime University, China
Xin Yu	Yellow River Institute of Hydraulic Research, China
Xiping Yu	Tsinghua University, China
Jisheng Zhang	Hohai University, China
Qinghe Zhang	Tianjin University, China
Jinhai Zheng	Hohai University, China

## LOCAL ORGANIZING COMMITTEE

### CHAIRS:

Pengzhi Lin (Sichuan University)  
 Zhiguo He (Zhejiang University)  
 Dezhi Ning (Dalian University of  
 Technology)

### SECRETARY GENERAL:

Li Li (Zhejiang University)

### MEMBERS:

Niansheng Cheng (Zhejiang University)  
 Zhilin Sun (Zhejiang University)  
 Xizeng Zhao (Zhejiang University)  
 Peng Hu (Zhejiang University)  
 Yingdian Lin (Zhejiang University)  
 Wei Li (Zhejiang University)  
 Yeping Yuan (Zhejiang University)  
 Fang He (Zhejiang University)  
 Yangyang Gao (Zhejiang University)  
 Yuezhang Xia (Zhejiang University)

Zhengzhi Deng (Zhejiang University)  
 Weijie Liu (Zhejiang University)  
 Yang Yu (Zhejiang University)  
 Xu Liang (Zhejiang University)  
 Pengcheng Jiao (Zhejiang University)  
 Jiayi Shen (Zhejiang University)  
 Bo Tong (Zhejiang University)  
 Min Luo (Zhejiang University)  
 Ying Gou (Dalian University of  
 Technology)  
 Chongwei Zhang (Dalian University of  
 Technology)  
 Jun Tang (Dalian University of Technology)  
 Huanwen Liu (Zhejiang Ocean University)  
 Hanbin Gu (Ningbo University)  
 Hong Xiao (Sichuan University)  
 Aifeng Tao (Hohai University)  
 Mi-An Xue (Hohai University)

## SESSION TOPICS

- 1 Coastal hydrodynamics and coastal processes
- 2 Climate change impact, adaptation, and mitigation
- 3 Extreme events – assessment and mitigation
- 4 Laboratory techniques and measurement systems
- 5 Sediment transport, erosion, and sedimentation
- 6 Wave and tidal energy
- 7 Coastal and ocean structures, breakwaters, and revetments
- 8 Estuary and coastal environment and eco-hydraulics
- 9 Field measurement and monitoring
- 10 Ports, marine terminals, navigation, ship motions
- 11 Wave synthesis, generation, and analysis

## SPECIAL SESSIONS

### **S1: Coastal Reservoirs for SDG6**

Chair: Shuqing Yang (University of Wollongong)

Guangqiu Jin (Hohai University)

Co-chair: Ramesh Hgowda (National Institute of Technology)

### **S2: Marine Aquaculture Engineering**

Chair: Fukun Gui (Zhejiang Ocean University)

Co-chair: Nils Goseberg (Technische Universität Braunschweig)

### **S3: Evolution and Modeling of the Yellow River Estuary**

Chairs: Xin Yu (Yellow River Institute of Hydraulic Research)

Yuanfeng Zhang (Yellow River Institute of Hydraulic Research)

Co-chair: Shunqi Pan (Cardiff University)

### **S4: Coastal Hazards and Integrated Management Options**

Chairs: Zaijin You (Dalian Maritime University)

Co-chair: Peter Nielsen (University of Queensland)

### **S5: Marine geotechnics**

Chairs:

Co-chair:

### **Call for Proposals of Special Sessions!**

Email: [coastlab2020@zju.edu.cn](mailto:coastlab2020@zju.edu.cn); [coastlab2020@gmail.com](mailto:coastlab2020@gmail.com)

## PUBLICATIONS

1 Conference proceedings

2 Journal of Marine Science and Engineering (JMSE)

The paper submitted to JMSE will go through the peer-review process. The publication fee needs to be paid by the authors.

## IMPORTANT DATES

Deadline for full-length paper submission

November 20<sup>th</sup>, 2020

## PROGRAM OVERVIEW

(Conference venue: Zhoushan Campus, Zhejiang University; ZOOM venue)

Dates	Events
Dec 9 <sup>th</sup>	<ul style="list-style-type: none"><li>• Registration</li></ul>
Dec 10 <sup>th</sup>	<ul style="list-style-type: none"><li>• Opening ceremony;</li><li>• Group photograph;</li><li>• Keynote speeches;</li><li>• Sessions;</li><li>• Poster session and industry exhibition;</li><li>• Conference banquet.</li></ul>
Dec 11 <sup>th</sup>	<ul style="list-style-type: none"><li>• Keynote speeches;</li><li>• Sessions;</li><li>• Poster session and industry exhibition;</li></ul>
Dec 12 <sup>th</sup>	<ul style="list-style-type: none"><li>• Keynote speeches;</li><li>• Sessions;</li><li>• Poster session and industry exhibition;</li><li>• Closing ceremony, awarding.</li></ul>

## INVITED SPEAKERS

Philip L.-F. Liu (National University of Singapore)  
Lizhong Wang (Zhejiang University)  
Peter Stansby (University of Manchester)  
Liang Cheng (University of Western Australia)  
Jinhai Zheng (Hohai University)  
James T. Kirby (University of Delaware)  
Marcel Stive (Delft University of Technology)  
Abbas Khayyer (Kyoto University)  
Toru Sato (The University of Tokyo)  
Vallam Sundar (Indian Institute of Technology)  
Xiping Yu (Tsinghua University)  
Zaijin You (Dalian Maritime University)  
Hongda Shi (Ocean University of China)  
Zheng Gong (Hohai University)  
Yong Liu (Ocean University of China)  
Bingchen Liang (Ocean University of China)  
Chunyan Ji (Jiangsu University of Science and Technology)  
Wenyang Duan (Harbin Engineering University)  
Weiming Wu (Clarkson University)  
Ryan Lowe (The University of Western Australia)  
Peter Nielsen (University of Queensland)  
More to be invited.

## REGISTRATION FEE

<b>Delegate Type</b>	<b>Until Feb. 29<sup>th</sup>, 2020</b>	<b>Online Registration Until May 15<sup>th</sup>, 2020</b>	<b>On-site Registration</b>	<b>ZOOM venue</b>
Member	\$500	\$550	\$650	<b>\$100</b>
Non-Member	\$600	\$650	\$750	
Student Member	\$450	\$500	\$600	
Student Non- Member	\$500	\$550	\$650	
Single Day	\$400	\$400	\$400	
The fees for technical tours and meals are included.				

### **ACCESS TO CONFERENCE VENUE/ ACCOMMODATION**

Attendees can access to the conference venue (Zhoushan Campus, Zhejiang University) from Zhoushan, Ningbo, Hangzhou, or Shanghai by public transportation and/or taxi. Zhoushan has many modern hotels located in the city centre within walking distance or a short taxi ride to the conference venue and some tourist attractions.

Detailed information about transportation and accommodation is available at:  
<http://coastlab2020.com/index.php?m=Home&c=Detail&a=detail&catid=220&id=28>