

The 13th International Conference on Hydrosience & Engineering (ICHE2018)

(First Announcement)

June 18-22, 2018 Chongqing, China

Abstract submission deadline: Oct 31 2017

Introduction

The International Conference on Hydrosience & Engineering (ICHE) was established in 1993, initiated by Prof. Sam S.Y. Wang, Prof. K.-Peter Holz, and Prof. Mutsuto Kawahara. The first conference was held in Washington DC in 1993. Beijing hosted ICHE in 1995, followed by Cottbus (1998), Seoul (2000), Warsaw (2002), Brisbane (2004), Philadelphia (2006), Nagoya (2008), Chennai (2010), Orlando (2012), Hamburg (2014) and Tainan (2016). The forthcoming conference will be held in Chongqing, China, in June 2018.

The goal of this conference is to bring together researchers, engineers and managers to share their latest findings in hydro-science, engineering and sustainable development of water resources. This conference is an excellent platform for presenting your researches, ideas, technology advancements and engineering achievements.





Topics

ICHE2018 focuses on the *Advancement of hydro-engineering for sustainable development*. The following topics is included:

1. Turbulent flows
2. Experimental studies
3. Computational hydraulics
4. Soil erosion and sediment transport
5. Local scouring at in-stream structures
6. Subsurface flows and contaminant transport
7. Landslide and debris flows
8. Reservoir sedimentation
9. Urban hydrology and Low Impact Development

10. Flood control and mitigation
11. Embankment breach and flooding
12. Environmental and eco-hydraulics
13. Water quality and pollution
14. Watershed hydrology and management
15. Waterway management and navigation
16. Coastal processes and engineering
17. Decision Support Systems
18. Climate change and challenges
19. Water resources planning and management
20. Case studies

International Organizing Committees (IOC)

 A portrait of Prof. Sam S.Y. Wang, an elderly man with glasses, wearing a dark suit, white shirt, and red tie. He is sitting at a desk with papers and a pen, smiling slightly. The background shows a wall with several framed certificates or awards.	<p>Prof. Sam S.Y. Wang</p> <p>University of Mississippi</p> <p>U.S.A.</p>
 A portrait of Prof. K.-Peter Holz, an elderly man with white hair, wearing a dark suit jacket over a white shirt. He is smiling and looking towards the camera. The background is a plain, light-colored wall.	<p>Prof. K.-Peter Holz</p> <p>University of Cottbus</p> <p>Germany</p>
 A portrait of Prof. Mutsuto Kawahara, a man with glasses, wearing a dark suit jacket, white shirt, and patterned tie. He is smiling and looking towards the camera. The background shows a computer monitor and some office equipment.	<p>Prof. Mutsuto Kawahara</p> <p>Chuo University</p> <p>Japan</p>
 A portrait of Prof. Pingyi Wang, a man wearing a dark suit jacket over a dark shirt. He is smiling and looking towards the camera. In the foreground, there is a bouquet of red and pink flowers.	<p>Prof. Pingyi Wang</p> <p>Chongqing Jiaotong University</p> <p>China</p>

International Scientific Advisory Committees (ISAC, Invited)

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Conference Organizer

Chongqing Jiaotong University, China

National Center for Computational Hydroscience and Engineering (NCCHE), USA

Sponsors

IAHR (International Association for Hydro-Environment Engineering and Research)

WASER (World Association for Sedimentation and Erosion Research)

ASCE (The American Society of Civil Engineers)

EWRI/ASCE (ENVIRONMENTAL & WATER RESOURCES INSTITUTE)

THU (Tsinghua University)

SCU (Sichuan University)

HHU (Hohai University)

TJU	(Tianjin University)
WHU	(Wuhan University)
DUT	(Dalian University of Technology)
CWB	(Changjiang Waterway Bureau)
CRSRI	(Changjiang River Scientific Research Institute)
IWHR	(China Institute of Water Resources and Hydropower Research)
NHRI	(Nanjing Hydraulic Research Institute)
TIWTE	(Tianjin Research Institute for Water Transport Engineering)

CALL for Abstract

Abstracts of papers are invited to address researches and applications on hydroscience and engineering. An abstract should have two pages that briefly outline the paper. All abstracts should be received before or on Sept. 30, 2017. The contributors will be notified about the acceptance before Jan. 31, 2018. All accepted abstracts will be included in a brochure to be distributed to conference participants at the registration desk. All abstract and papers will be peer reviewed. All accepted papers will be published in the Conference Proceedings in the form of a printed volume of abstracts. And a USB drive of full papers will also be provided to all delegates at the conference. Selected high-quality papers will be recommended for publication in IAHR journals.

Keynote Speeches

Top names in the world of hydro-science & engineering will be invited to give keynote speeches. There will be a total of 10 keynote speakers to be announced shortly.

Important Date

Abstract submission deadline	2017/10/31
Abstract acceptance notification	2017/12/31
Paper submission deadline	2018/3/15
Paper acceptance notification	2018/4/20
Early bird registration	2018/5/10
Congress	2018/6/18-22

Exhibition

ICHE2018 offers opportunities for exhibitors to introduce and demonstrate their products and service to hundreds of professionals of hydroscience and engineering from China and around the world. It is also possible to reach the desired audience by advertising on the ICHE2018 official publications, displays and media.

To exhibit or sponsor at the ICHE2018, please contact the LOC by email:

ICHE2018@cqjtu.edu.cn.

EXHIBITOR PROVISIONS

- (1) complimentary full conference registration
- (2) complimentary exhibit hall booth staff registration
- (3) 3m×2m exhibit space in exhibit hall

Technical Tours

1. Baima Pivotal Project for Navigation and Power Generating of Wujiang River

Baima Pivotal Project for Navigation and Power Generating is situated in the lower reach of the Wujiang River. The dam of the project is at the Wulong County of Chongqing with the controlling drainage area of 83690km². This is one of the dams in the cascade dam system of the Wujiang River. Baima Pivotal Project is built and operated for optimal navigation and hydropower generation in this cascade system.

The normal pool level is 183m, extending the navigable channel 49 km upstream. The storage capacity is 158 Million m³, and regulation storage is 32 Million m³. Ten bulb units of 40.5MW are installed with the total capacity of 405MW, annual energy output of 1.646 Billion kw.h. The maximum head for power generation is 31.44m and the minimum head is 7.12m. The project was constructed in 78 months with 7.5 Billion RMB investment.



2 Pengshui hydropower station of Wujiang River

Pengshui hydropower station is in the Pengshui County of Chongqing. It is one of the cascade power stations in the main stream of Wujiang River. The dam is built in a V shaped gorge deeply incised in mountains of rocks. The dam of the project is 11km upstream of the Pengshui City, controlling a drainage area about 70,000km². The main annual flow discharge is 1,320m³/s. The normal pool level is 290m with the capacity of 1.24 Billion m³. The hydropower capacity is 1,200MW and the main annual power generation is 7.24 Billion Kwh. The dam is an arch concrete gravity dam with the maximum dam height of 116.5m. The underground powerhouse is at the right bank which includes five units of large turbine generators with the total installed capacity of 1,750MW. The navigation structures are on the left bank, including a one-way ship-lock and a two-stage ship-lifter of 500-ton passing capacity.



Registration Fee

	EARLY Bird	REGULAR
	Before 18:00 May 10 2018 (UTC +08:00)	After 18:00 May 10 2018 (UTC +08:00)
IAHR members	US\$500.00	US\$550.00
Non-IAHR members	US\$550.00	US\$600.00
Students	US\$300.00	US\$350.00

Contact Information

Website

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