



IAHR Tsinghua University Young Professionals Network

2021 Annual Report of Activities

1. Introduction

Tsinghua YPN was established in 2015 and is an organisation of students and young professors working in fields related to hydro-environmental sciences from Tsinghua University. Our goal is to provide a platform for members to communicate with other researchers worldwide.

2. 2021 main goal and key objectives

Affected by the COVID-19 pandemic, the main goal of Tsinghua YPN is to provide a variety of online communication opportunities for members, and carry out offline activities under appropriate conditions.

3. Composition

Officers

President

Kehan Huang	
Vice President	

Yaqi Luo	
Advisor	

Prof. Wang Zhaoyin	Prof. Xu Mengzhen
[Please add as many officers as needed]	

List of members

Name	Surname	Country	Membership category (student or professional affiliate)
Hongbo	Ma	China	PRO
Yaling	Chen	China	PRO
Liqun	Lv	China	PRO
Chendi	Zhang	China	PRO
Lei	Huang	China	PRO

Yuyang	Wu	China	PRO
Hai	Shi	China	PRO
Huabin	Shi	China	PRO
Xiaomeng	Shi	China	PRO
Yicheng	Gong	China	PRO
Huifeng	Yu	China	PRO
Man	Zhang	China	PRO
Rui	Wang	China	PRO
Xiongdong	Zhou	China	PRO
Taihua	Wang	China	STU
Jiabiao	Wang	China	STU
Qi	Huang	China	STU
Cunguang	Wang	China	STU
Wenting	Yang	China	STU
Richun	You	China	STU
Weiwei	Lu	China	STU
Zhongying	Han	China	STU
Hanjiang	Nie	China	STU
Binbin	Lin	China	STU
Zhilei	Yu	China	STU
Chunyang	Cui	China	STU
Shuai	Cao	China	STU
Jun	Ao	China	STU
He	Wang	China	STU
Shengchao	Wu	China	STU
Zhenghao	Guo	China	STU
Zhijie	Duan	China	STU
Yiying	Zhao	China	STU
Xueqian	Qu	China	STU
Ying	Zhang	China	STU
Pengfei	Han	China	STU
Junping	Zheng	China	STU
Yunhong	Wang	China	STU
Shu	Zhang	China	STU
Junjun	Huo	China	STU
Liying	Guo	China	STU
Xingyu	Chen	China	STU
Meng	Li	China	STU
Yiyang	Dong	China	STU
Huidong	Su	China	STU
Qin	Yang	China	STU

Zhenyu	Lv	China	STU
Jing	Yang	China	STU
Kun	Yang	China	STU
Zhihua	Liu	China	STU
Haohao	Guo	China	STU
Yicheng	Wang	China	STU
La	Yan	China	STU
Zhibo	He	China	STU
Zhengwen	Li	China	STU
Xin	Li	China	STU
Yinglin	Mu	China	STU
Hexiao	Huang	China	STU
Kaili	Sun	China	STU
Mingwei	Dou	China	STU
Guanghui	Wang	China	STU
Guangyu	Liu	China	STU
Wei	Huang	China	STU
Jingchi	Yu	China	STU
Yiting	Zhao	China	STU
Xiangtao	Zhang	China	STU
Lei	Zhang	China	STU
Zaizhan	An	China	STU
Zhili	Tang	China	STU
Yanchong	Duan	China	STU
Guanghui	Ming	China	STU
Pengfei	Si	China	STU
Fanyi	Zhang	China	STU
Guoqiang	Tang	China	STU
Man	Zhang	China	STU
Yang	Su	China	STU
Mingxi	Zhang	China	STU
Changcheng	Pan	China	STU
Wei	Qin	China	STU
Shibo	Guo	China	STU
Huali	Li	China	STU
Weimin	Wang	China	STU
Jin	Huang	China	STU
Xiaocui	Li	China	STU
Heyang	Wan	China	STU
Ying	Suo	China	STU
Yi	Nan	China	STU

Wenxin	Li	China	STU
Zheng	Gong	China	STU
Qiangqiang	Wei	China	STU
Chi	Liu	China	STU
Liu	Yang	China	STU
Haojie	Zhou	China	STU
Xuejian	Cao	China	STU
Xiangchao	Wang	China	STU
Ruijie	Shi	China	STU
Shuyu	Yang	China	STU
Haoyang	Peng	China	STU
Zhengdong	Yu	China	STU
Wencong	Yang	China	STU
Bo	Gai	China	STU
Wenju	Liu	China	STU
Changming	Li	China	STU
Siyu	Zhu	China	STU
Qi	Zhang	China	STU
Shuai	Gao	China	STU
Zhi	Li	China	STU
Kai	Han	China	STU
Biao	He	China	STU
Xue	Zhang	China	STU
Zhuogen	Chen	China	STU
Shuai	Lv	China	STU
Mingyang	Zhang	China	STU
Yanling	Kang	China	STU
Hao	Li	China	STU
Fengren	Yan	China	STU
Xing	Liu	China	STU
Zeyu	Ning	China	STU
Minze	Zhou	China	STU
Yuan	Zhuang	China	STU
Fan	Wang	China	STU
Yao	Jia	China	STU
Yuan	Xu	China	STU
Lei	Shi	China	STU
Yuanzhong	Yin	China	STU
Dongchen	Zhang	China	STU
Saide	Zhu	China	STU
Peng	Jin	China	STU



Qingzhen	Zhang	China	STU
Anjia	Jiao	China	STU
Luo	Sun	China	STU
Wei	Liu	China	STU
Lujie	Han	China	STU
Xinyue	Su	China	STU
Shiliu	Chen	China	STU
Jialong	He	China	STU
Tong	Zhu	China	STU
Hongliu	Jin	China	STU
Shijun	Li	China	STU
Dantong	Lin	China	STU
Qianhui	Liu	China	STU
Zhankui	Liu	China	STU
Hexin	Liu	China	STU
Yunyi	Li	China	STU
Hao	Wang	China	STU
Ling	Zhan	China	STU
Zhi	Xu	China	STU
Wenhai	Zhang	China	STU
Yilu	Li	China	STU
Aiyun	Jin	China	STU
Jingbin	Zhang	China	STU
Xu	Lin	China	STU
Zhaolong	Ma	China	STU
Yin	Yin	China	STU
Chen	Chen	China	STU
Xu	Han	China	STU
Tengfei	Wang	China	STU
Wenxin	Shen	China	STU
Bingqing	Xia	China	STU
Qi	Wen	China	STU
Qinghua	Liao	China	STU
Changjie	Lin	China	STU
Yuhan	Wang	China	STU
Dongnan	Li	China	STU
Bei	Huang	China	STU
Lexin	Zhang	China	STU
Yuntian	Song	China	STU
Xinlu	Lin	China	STU
Sihan	Zhao	China	STU

Yanjun	Wang	China	STU
Chaonan	Song	China	STU
Zhengxiang	Mi	China	STU
Haojie	Lai	China	STU
Wang	Fu	China	STU
Daning	Zhong	China	STU
Fushan	Wang	China	STU
Hengjie	Shen	China	STU
Wenjun	Lu	China	STU
Long	Xue	China	STU
Honglin	Lin	China	STU
Yuanchui	Yu	China	STU
Junyu	Wei	China	STU
Hongwu	Pan	China	STU
Yifan	Zhang	China	STU
Peng	Yu	China	STU
Jianting	Du	China	STU
Lin	Zhang	China	STU
Wei	Sun	China	STU
Yaliang	Wang	China	STU
Qianqian	Hu	China	STU
Wen	Zhong	China	STU
Guanheng	Zheng	China	STU
Shouguang	Wang	China	STU
Zhuofu	Tao	China	STU
Yu	Zhang	China	STU
Chang	Liu	China	STU
Tao	Wu	China	STU
Qiuhan	Du	China	STU
Yong	Han	China	STU
Qifeng	Gao	China	STU
Jiarong	Shen	China	STU
Yeqiang	Wen	China	STU
Guangyu	Jiang	China	STU
Zixiong	Zhang	China	STU
Rongron	Cai	China	STU
Yu	Zhang	China	STU
Xiao	Chen	China	STU
Ruoyin	Zhang	China	STU
Kaiyue	Shan	China	STU
Xin	Zeng	China	STU



Zuguang	Liu	China	STU
Yu	Ma	China	STU
Qining	Shen	China	STU
Xiaowen	Lei	China	STU
Mingyang	Sheng	China	STU
Shuai	Xie	China	STU
Shuyue	Wu	China	STU
Bohao	Wang	China	STU
Yang	Wang	China	STU
Xiaolin	Guo	China	STU
Nan	An	China	STU
Hongxin	Sun	China	STU
Liekai	Cao	China	STU
Jiaye	Li	China	STU
Zheshu	Wu	China	STU
Liqiao	Lu	China	STU
Yuan	Yang	China	STU
Fakai	Lei	China	STU
Jinjun	Zhou	China	STU
Jingyan	Han	China	STU
Chuang	Zhou	China	STU
Tao	Wu	China	STU
Hejia	Wang	China	STU
Jiadi	Li	China	STU
Kehan	Huang	China	STU
Yaqi	Luo	China	STU
Xiguo	Zhang	China	STU
Yao	Yang	China	STU
Chenyang	Wang	China	STU
Chubin	Weng	China	STU
Xiaoli	Li	China	STU

[Please add as many lines as needed]

4. Communications

[Website and social networks]

Website	https://www.iahr.org/index/committe/48
Facebook	
Twitter	

Instagram	
Linkedin	
Other	

[Promotional and information materials]

Newsletter/s	https://mp.weixin.qq.com/s/MX2OSJI2v1mMZXag6J-Wvw
Publication/s	
Other	

5. Activities

[Activities organised in 2021] [Please also attach pictures a separate .JPG files]

Activity 1

 	<p>Name of the activity IAHR Tsinghua YPN Open Seminar</p> <p>Dates 2021-3-26</p> <p><i>Delivering opportunities for professional development</i></p> <p>Description On March 26, 2021, Professor Lee Hunwei, president of IAHR, was invited to attend the symposium organized by Tsinghua YPN. At the meeting, five YPN members, An Chenge, Gong Zheng, Li Minhui, Lei Fakai and Zhang Chendi, made a brief report on their recent scientific research achievements, covering sediment movement, numerical simulation of water flow, river network morphology, fish ecology and so on. Professor Lee presented his own views on the students' reports and carried out a heated discussion with the students.</p>
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Activity 2

中国水科院岩土前沿论坛
IWHR Seminar Series on Geo-Frontiers

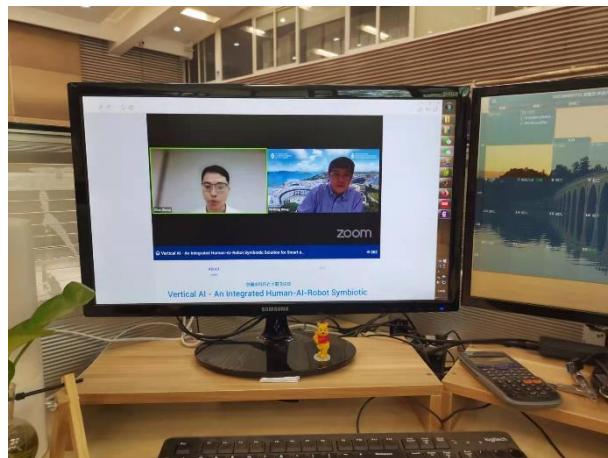
Vertical AI -- An Integrated Human-AI-Robot Symbiotic Solution for Smart and Resilient Cities

2:00-3:00 pm Beijing, Hong Kong, Friday, September 17, 2021

Ir. Prof. Wang Yu-Hsing 王幼行
Professor, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology
Fellow of the Hong Kong Institution of Engineers (HKIE)
Director and Founder, Data-Enabled Scalable Research (DESR) Laboratory

<https://us02web.zoom.us/j/8734748583>

Watch Live Join in Zoom



Name of the activity
Vertical AI - An Integrated Human-AI-Robot Symbiotic Solution for Smart and Resilient Cities
Dates
2021-9-17
Objectives
<i>Advances in hydroscience</i>
Description
In this talk, the recent research development and innovations from the Data-Enabled Scalable Research (DESR) Laboratory of the HKUST was presented to showcase the effectiveness of harnessing the Vertical AI, an integrated solution from sensor design/deployment, data gathering, big-data infrastructure, AI-enabled big data analytics, to the semantic integration for a holistic decision making, to spearhead the development of smart and resilient cities.

Activity 3

Webinar on Research Trends in the Flow-Sediment-Vegetation Interactions in Fluvial System Thu, November 18, 2021 | Zoom | Open | Beijing | New York

Changing Rivers:
Interactions among river flows, sediment and vegetation

Angela Gurnell
Queen Mary University of London, UK

Okay, so must do as I'm trying to share my screen. I'll try again. Yeah. Can you see the presentation? Now for resolution? You can good? That's a surprise. Well, thank you very much for inviting me to talk today.

Name of the activity
3rd Symposium on Research Frontiers in Water Sciences and the 2021 Annual Meeting of IAHR China Chapter
Dates
2021-11-18
<i>Raising awareness about water issues</i>
Description
Eight well-known experts, including Academician Wang Hao, Academician Xia Jun, Professor Zhang Jinliang, et al., conducted frontier exchanges and discussions on the theme of "water resources and ecology" and "water disasters and security" .

Activity 4

	<p>Name of the activity Symposium on River sediment and Geomorphology</p> <p>Dates 2021-10-23</p> <p><i>Advances in hydroscience</i></p> <p>Description The advisor of Tsinghua YPN, Prof. Wang Zhaoyin was invited to host the symposium, which was related to the research progress of different experts from Tsinghua University, Chinese Academy of Water Sciences, Beijing Normal University, etc.</p>
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Activity 5

	<p>Name of the activity Party of Research Group</p> <p>Dates 2021-9-20</p> <p><i>Motivating membership</i></p> <p>Description The members were invited by Prof. Wang Zhaoyin, advisor of Tsinghua YPN, to a festive feast.</p>
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6. Partnerships and collaborations

Partner organisations and/or interaction with related national organisations

Organisation	Description of partnership

Collaboration with other YPNs

YPN name	Description of collaboration

7. Contributing to the IAHR strategic plan



7.1. Please describe how your activities in 2021 have contributed to and advocated for IAHR's vision and strategic plan (<https://www.iahr.org/index/detail/101>)

We have organized many activities and shared the IAHR lecture information in 2021. We believe our activities provided a world class international networking platform and great member experience and also inspired, disseminated and catalysed state-of-the-art knowledge and thinking. Specially, the IAHR Tsinghua YPN Open Seminar in 2021-3-26 was of great significance, which was the first time that the IAHR president attended YPN activity.

7.2. Please describe how your YPN contributes to the IAHR YPN high-level aims

We have provided a platform for members to communicate with other researchers worldwide. We publicized the role of YPN to Tsinghua University through the open seminar in 3-26, and actively recruited new members to join in.