

# IAHR NANJING YOUNG PROFESSIONALS NETWORK

2022 Annual Report of Activities



Nanjing Hydraulic  
Research Institute  
**Young  
Professionals  
Network**

## **1. Our vision and mission**

IAHR Young Professionals Networks (YPNs) ensure that new generations of hydro-environment professionals and researchers could engage in IAHR activities, network and connect with peers and senior IAHR members, receive mentoring and support, and get access to the latest knowledge, information, and know-how in the early stage of their careers. IAHR-NHRI-YPN actively provides young scholars with abundant academic resources, encourages young scholars to actively carry out research on Hydro-environment engineering, and obtains a large number of important academic results in this process. At the same time, we provide a platform for exchange and sharing to promote academic exchanges among young scholars, so as to facilitate subsequent research work and form a virtuous circle. Specific activities include sharing academic resources, holding academic annual conferences and participating in a variety of IAHR activities.

IAHR Nanjing Hydraulic Research Institute YPN (IAHR-NHRI-YPN) is a chapter formally established in Nanjing in May 2018 under the guidance of the IAHR China Chapter and the support of the Nanjing Hydraulic Research Institute. The number of registered members of the chapter has reached 139 by 2022. The daily activities of the IAHR-NHRI-YPN are organized and managed by the executive committee. The executive committee includes 1 president, 2 vice-president, 1 administrative secretary, 1 communication secretary, 1 publicity secretary, and 1 treasurer.

In 2021, YPN completed a lot of work and achieved good results. In 2022, when the COVID-19 is still raging, YPN is also overcoming all difficulties to organize more academic activities for students and enhance academic exchanges among members. It is the goal of the new Executive Committee to enhance everyone's knowledge and feelings by strengthening exchanges.

## **2. Main goals and key objectives in 2022**

In 2022, YPN faces many new challenges. Its main tasks include the production of promotional videos, recruitment publicity and the change of the

executive committee, the production of employment letters and the holding of water conservancy exchange activities.

Last year, our YPN was rated as "the most active YPN in the Asia-Pacific region in 2020". After that, we were invited by the official to produce a brief introduction video, which has been published on the IAHR official website (<https://www.iahr.org/index/committe/66>).

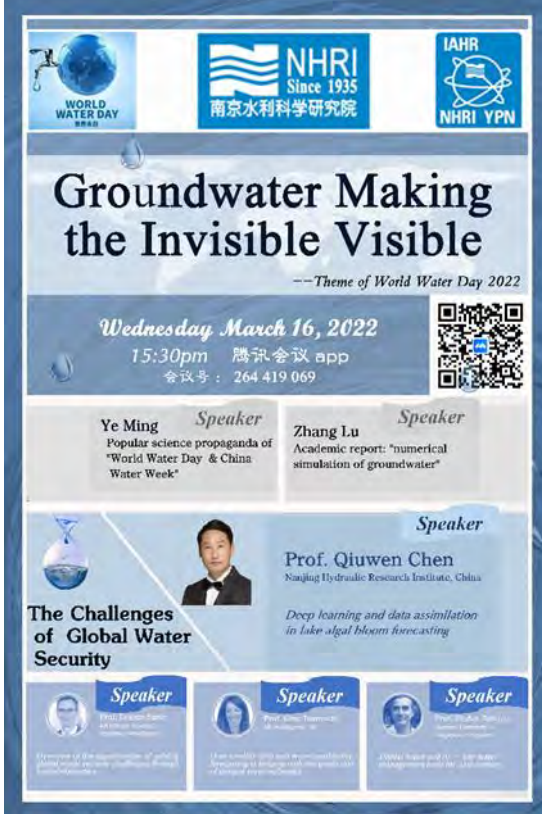

In September 2022, the recruitment of new members of this year was carried out, and 33 new members were received this year through propaganda, poster posting, online publicity and other means. At present, the total number of YPN members in our hospital is 139. At the same time, the change of the Executive Committee was completed. At present, the Executive Committee has one president, two vice presidents, one affairs secretary, one communications secretary, one finance secretary and one publicity secretary, which is the largest executive committee since the establishment of YPN.

From September to October, 2022, with the joint efforts of the new and old executive committees, we completed the production of appointment letters for the four executive committees of YPN since its establishment. Graduates have also sent the appointment letters to them by expressing mail. The following pictures are the letters of appointment designed and produced by the two executive committees.



### 3. Activities in 2022

#### Activity 1

 <p>The poster is for the 2022 World Water Day theme "Groundwater Making the Invisible Visible". It is organized by NHRI (Nanjing Hydraulic Research Institute) and IAHR YPN. The event is on Wednesday, March 16, 2022, at 15:30pm via Tencent Meeting (ID: 264 419 069). Speakers include Ye Ming (popular science), Zhang Lu (numerical simulation), and Prof. Qiuwen Chen (lake algal bloom forecasting). Other speakers listed include Dr. Liang Chen, Dr. Liang Chen, and Dr. Liang Chen.</p>	<p>World Water Day · China Water Week</p>
	<p><b>Date/s</b></p>
	<p>March 2022</p>
	<p><b>Venue</b></p>
	<p>Online</p>
	<p><b>Objectives</b></p>
	<p>Delivering opportunities for professional development, raising awareness about water issues</p>
	<p><b>Description</b></p>
 <p>The screenshot shows a video conference with several participants. The main presentation slide is titled "二、地下水模型研究进展—发展趋势" (Trends in Groundwater Model Research). It discusses numerical simulation as an effective means for various states and processes, and highlights the challenges of strong non-homogeneity, multi-scale conversion, and multi-process coupling. It references the work of Pinder and Gray (1977, 2013) on "Pore-Scale Simulation of Flow and Transport in Porous Media".</p>	<p>In March 2022, YPN held the online theme activity of World Water Day · China Water Week "Cherish Groundwater, Cherish Hidden Resources". This activity was hosted by Qinyuan Li, the 21st YPN Executive Committee, invited Zhang Lu, a doctoral student, and Ye Ming, the 21st YPN Executive Committee, to make a special report on groundwater, and broadcast the IAHR expert exchange meeting online for the first time. More than 300 teachers and students watched the broadcast of the conference online, which attracted wide attention of our teachers and students.</p>

## Activity 2



The first water science publicity competition

### Date/s

May, 2022

### Venue

Nanjing, China



### Objectives

Raising awareness about water issues, motivating membership

### Description

In May 2022, Nanjing Academy of Water Sciences held the first water science publicity competition. In the early stage of the competition, YPN assisted in the publicity and registration coordination work, attracting 4 members to participate in the competition. Lulin Liu, the 21st YPN Executive Committee, also actively signed up and won the Excellence Award.




### Activity 3

## IAHR-NHRI-YPN


### 国际水利与环境工程学会南京水科院 青年专家网络介绍



汇报人：李沁园（通讯秘书）  
2022年8月31日

### 目录

- 1 组织介绍
- 2 活动情况
- 3 获奖荣誉
- 4 联系我们






## IAHR-NHRI-YPN

### 2022年度工作总结汇报

汇报人：李沁园（主席）  
2022年12月15日

### IAHR-NHRI-YPN Recruitment and Summary Presentation

**Date/s**  
September, 2022; December, 2022

**Venue**  
Nanjing, China

**Objectives**  
Recruit new members, annual summary

**Description**  
Description  
In September, we introduced IAHR-NHRI-YPN and briefly introduce the details of IAHR, YPN, and IAHR-NHRI-YPN. We described the activities details that YPN has conducted so far and the results achieved. Welcome new members We introduced the membership benefits and the executive Committee, and issued a notice to recruit new members and members of the new executive Committee. In December, we present the annual summary and outlook of 2023 in the annual work report meeting of organizations in NHRI.

## Activity 4



The 2022 International Symposium on Ecohydraulics

### Date/s

October, 2022

### Venue

Nanjing, China




### Objectives

Academic exchanges, strengthen members' understanding of the field of water science and learning of frontier science.

### Description

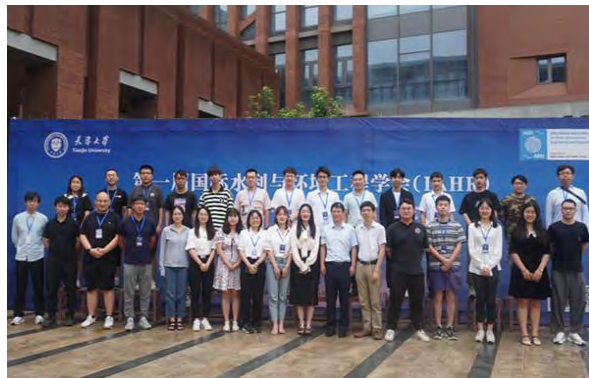
In October, we organized IAHR-NHRI-YPN members to participate and watch the academic lectures held by the 2022 International Symposium on Ecohydraulics.

## Activity 5

	<h3>Smart Rivers Volunteer Activity</h3>
	<b>Date/s</b>
	October, 2022
	<b>Venue</b>
	Nanjing, China
	<b>Objectives</b>
	Motivating membership
	<b>Description</b>
	<p>In October 2022, the International Academic Conference on River Shipping, co-sponsored by the Nanjing Academy of Water Sciences and the International Shipping Association, was held in Nanjing. In the early stage of the event, YPN assisted in the recruitment and contact of volunteers. During the event, all the members of the 22nd Executive Committee participated in this volunteer activity, which accumulated valuable experience for YPN to host large-scale events in the future.</p>
	



## Activity 6



### IAHR Tianjin University Student Union Doctoral Academic Forum

#### Date/s

July, 2022

#### Venue

Tianjin, China

#### Objectives

Promote academic exchanges

#### Description

In July 2022, the first IAHR Tianjin University Student Union doctoral academic forum was held in the School of Architecture and Engineering of Tianjin University. Ye Ming, the 21st YPN Executive Committee, delivered a congratulatory video on behalf of YPN, and Qinyuan Li, the 22nd president and the 21st YPN Executive Committee, participated in the forum as a representative of our school and won the innovation award.

## 4. Partnerships and collaborations

### 4.1. Partnerships

Organisation	Description of partnership
IAHR-TJU-YPN	Conduct academic exchanges
Permanent International Association of Navigation Congresses (PIANC)	Activity organization and participation
Graduate School of Nanjing Hydraulic Research Institute	Activity organization and participation

### 4.2. Collaboration with other YPNs

Participated in the first IAHR Tianjin University Student Union doctoral academic forum organized by YPN of Tianjin University.



The 1st IAHR Tianjin university student branch doctoral conference

#### Date/s

7 July 2022

#### Venue

Tianjin, China

#### Objectives

Improve doctoral students' scientific research innovation ability through discussion

#### Description

In July 2022, the first IAHR Tianjin University Student Union doctoral academic forum was held in the School of Architecture and Engineering of Tianjin





University. Ye Ming, the 21st YPN Executive Committee, delivered a congratulatory video on behalf of YPN, and Qinyuan Li, the 22nd president and the 21st YPN Executive Committee, participated in the forum as a representative of our school and won the innovation award. This meeting has greatly promoted the communications between all YPNs and universities as well.

## 5. Communication channels

Website: <https://www.iahr.org/index/committe/66>

Other: QQ chat group (group number 783771720)