

# IAHR XI'AN UNIVERSITY OF TECHNOLOGY YOUNG PROFESSIONALS NETWORK

2022 Annual Report of Activities



Xi'an University  
of Technology  
**Young  
Professionals  
Network**



## 1. Our vision and mission

[A brief text about the YPN, its vision and main objectives. This text will be included in your YPN webpage. Check your page at:

<https://www.iahr.org/index/ypn>]

IAHR Xi'an University of Technology Young Professionals Network (IAHR-XUT-YPN) is an academic organization composed of youth members, which was officially established on June 5, 2018. It is the ninth university in China to establish YPN. The number of registered members has reached 58, mainly PhD and master students and teachers from the Xi'an University of Technology, and the majors included are mainly hydraulics and river dynamics, hydrology and water resources, environmental engineering, etc. The establishment of the IAHR-XUT-YPN has received great attention and support from Xi'an University of Technology, which has also provided convenient conditions for the development of the association. With the international communication platform of IAHR, we make reasonable use of our technical and scientific research advantages, uphold and carry forward the scientific research spirit of Xi'an University of Technology, pay close attention to the scientific and practical problems of prospective and fundamental nature in the development of water resources and environmental engineering, and carry out various activities extensively, such as: holding academic lectures and academic salons; carrying out lectures of the doctoral supervisors and outdoor large scale water resources engineering investigation and practice; actively participate in domestic and international conferences, as well as interaction with other universities, and research institutes to fully promote the exchange and discussion of association members in the field of water resources engineering, civil engineering and other disciplines.

## 2. Main goals and key objectives in 2022

In the context of the COVID-19, the main objectives of the IAHR-XUT-YPN 2022 are: (a) to develop water professionals with research and innovation skills; (b) to actively organize the sharing of research results and learning experiences among members within the school; (c) to invite experts in various fields to make

academic reports and provide a platform for academic exchanges; and (d) to actively participate in online international academic conferences through the Internet.

(a) Commitment to the development of water professionals with research and innovation skills: based on IAHR and school resources, and with the development of research and innovation skills as the starting point, different seminars are held on different specialties and activity formats.

(b) Within the scope of the school, actively organize members to share research results and exchange learning experiences: the association regularly holds relaxed and diverse academic salon activities within its members to promote communication among them and share their academic experiences with each other in order to promote common progress.

(c) Regularly invite experts in various fields to give academic lectures, actively organize teachers and students to get in touch with the frontiers of disciplines, so as to broaden their horizons and generate inspiration in academic exchanges.

(d) Actively participate in online international academic conferences through the Internet: through participation in international conferences, we improve members' knowledge accumulation, increase the academic influence of IAHR-XUT-YPN at home and abroad, and promote young members to the international academic stage.

### 3. Activities in 2022

#### Activity 1

	Academic Lecture
	<b>Date/s</b> 28 September 2022
	<b>Venue</b> On-line/Off-line synchronization, Xi`an
	<b>Objectives</b>



Introduces the global water problem and the speculation of water control mode, points out the international frontier hot spots and key scientific issues.

#### **Description**

Participating members carefully studied the cutting-edge research results of water resources through online, and discussed with each other

## **Activity 2**



Academic salon

#### **Date/s**

26 October 2022

#### **Venue**

Online


#### **Objectives**

Sharing Key technologies and application of monitoring and assessment of water ecological impacts of river and lake control projects in the basin


#### **Description**

Participating members carefully studied the cutting-edge research results of water resources through online, and discussed with each other.

### Activity 3

	Experience sharing of National Natural Science Foundation of China (NSFC) application
	<b>Date/s</b> 02 Nov 2022
	<b>Venue</b> Online
	<b>Objectives</b> Promote members' understanding of scientific research fund application and improve the success rate of fund application
	<b>Description</b> It introduces the application experience of NSFC from the aspects of academic knowledge accumulation, key points refinement, writing skills, etc., and introduces the application process of NSFC.

### Activity 4

	Field investigation of mountain torrent disasters
	<b>Date/s</b> 11 April 2022
	<b>Venue</b> Lantian, Shaanxi, China
	<b>Objectives</b>



Aising awareness about flash flood disasters

#### Description

Members gained an in-depth understanding of the causes of flash floods, hydraulic characteristics and damage levels by surveying flood disaster sites, observing historical flood marks, and interviewing affected residents.

### Activity 5



Participate in and assist in flood prevention and rescue emergency drills

#### Date/s

17 June 2022

#### Venue

Yulin, Shaanxi, China



#### Objectives

Understand the process of emergency rescue work and improve disaster prevention and mitigation capabilities.

#### Description

Under the guidance of the Hengshan District Emergency Management Bureau of Yulin City, the members organized and carried out the 2022 flood prevention and rescue emergency drill in Hengshan District, Yulin City.

## 4. Partnerships and collaborations

### 4.1. Partnerships

Organisation	Description of partnership
IAHR-TJU-YPN	Conduct academic exchanges
IAHR-HHU-YPN	Conduct academic exchanges
China Institute of Water Resources and Hydropower Research	Conduct academic exchanges
Nanjing Hydraulic Research Institute	Conduct academic exchanges

### 4.2. Collaboration with other YPNs

1. Participated in the 1st IAHR Tianjin university student branch doctoral conference 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

Through discussion, the interdisciplinary integration was promoted and the communication between colleges and universities was strengthened



## 5. Communication channels

WeChat Official Account: 水模拟及灾害管理研究中心