

# IAHR Dalian University of Technology Young Professionals Network

## Our vision and mission

Welcome to the vibrant and collaborative community of the IAHR Dalian University of Technology Young Professionals Network (DLUT-YPN)! Our network is the nexus for young talents passionate about hydro-environment engineering, providing a platform for growth, innovation, and meaningful connections. We envision a future where young professionals in hydro-environment engineering thrive as leaders, driving innovation and sustainable solutions in the field. 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. Our network is committed to nurturing talent and fostering a community that contributes significantly to the advancement of hydro-environmental sciences.

I. Knowledge Exchange: Foster an environment for the seamless exchange of ideas, experiences, and cutting-edge knowledge among young professionals within IAHR.

II. Professional Development: Empower our members with the skills and insights needed to excel in their careers. We offer mentorship, training, and resources to facilitate continuous professional growth.

III. Networking: Build a robust network of young professionals, transcending geographical boundaries and institutional affiliations. We believe in the strength of connections and collaborative partnerships.

IV. Research Collaboration: Encourage and facilitate collaborative research initiatives, emphasizing interdisciplinary cooperation to address complex hydro-environmental challenges.

V. Community Engagement: Extend our expertise to the broader community through outreach programs, educational initiatives, and advocacy efforts. We strive to raise awareness about critical hydro-environmental issues.

VI. Events and Conferences: Actively participate in and organize events, workshops, and conferences that not only showcase the capabilities of young professionals but also provide valuable platforms for learning and interaction.

Joining IAHR-DUT-YPN means embarking on a journey of exploration, connection, and professional enrichment. Join us in shaping the future of hydro-environment engineering. Explore the possibilities, make meaningful connections, and grow with us!

# Main goals and key objectives

## 1. Expand Membership Base:

Objective: Increase our membership base within the year.

Action Plan: Implement targeted outreach programs, both locally and internationally, leveraging social media, webinars, and collaboration with academic institutions.

## 2. Enhance Knowledge Exchange:

Objective: Organize a series of webinars, seminars, and workshops covering diverse topics in hydro-environment engineering.

Action Plan: Collaborate with industry experts and academic leaders to curate engaging and informative events. Encourage active participation and knowledge sharing among members.

## 3. Professional Development Initiatives:

Objective: Facilitate skill development for young professionals.

Action Plan: Launch mentorship programs, skill-building workshops, and provide access to resources that aid in career advancement.

## 4. International Synergy Network Strengthening Program

Objective: Global Water Science Youth Organizations

Action Plan: Implementation path: Establish transnational partnerships for IAHR youth networks, promote joint research programs and cross-border academic activities, and build a global knowledge synergy and innovation community.

## 5. Research and Innovation:

Objective: Encourage collaborative research projects among our members.

Action Plan: Create a platform for members to propose and engage in joint research initiatives. Promote interdisciplinary research addressing contemporary hydro-environmental challenges.

## 6. Social Influence Expansion Action

Objective: Undertake outreach programs to engage with local communities.

Action Plan: Carry out water resources science popularization public welfare matrix action (community wisdom classroom + public participatory workshop + people's livelihood project practice), and promote the social transformation of knowledge achievements.

## 7. Host a Signature Event:

Objective: Organize a flagship event that showcases the capabilities of our members.

Action Plan: Plan and execute a major conference, symposium, or competition, providing a stage for young professionals to present their research and innovations.

## 8. Elevate Online Presence:

Objective: Improve the visibility and engagement of our network online.

Action Plan: Revamp and regularly update our website, increase social media presence, and launch a quarterly newsletter to keep members informed.

As we chart the course for 2024, these goals and objectives align with our commitment to building a dynamic and impactful community within the IAHR DLUT YPN. Together, we aim to achieve new milestones and contribute meaningfully to the field of hydro-environment engineering.

# Activities during this year

- **Name:** Doctoral Forum on “Wise Men Discussing Water”
- **Date:** 2024.4.13
- **Venue:** Tsinghua University
- **Objectives:** Lake Environment
- **Description:** Chairman of IAHR-DUT, participated in the third IAHR PhD Forum at Tsinghua University and delivered a keynote speech on the topic



- **Name:** Changes in water environment during the freezing period of typical lakes in mid to high latitude regions
- **Date:** 2024.10.23
- **Venue:** Dalian University of Technology
- **Objectives:** Environmental Protection
- **Description:** Professor Lauri from the University of Helsinki in Finland visited China and discussed with Professor Li Zhijun and Associate Professor Chen Xiaoqiang from Dalian University of Technology about the changes in water quality during the freezing period of lakes in the China Finland region. IAHR-DUT members attended the meeting.



- **Name: Aquatic Winter Breeding Theme Conference**
- **Date: 2025.1.20**
- **Venue: Guanghe crab industry**
- **Objectives: Aquatic overwintering aquaculture**
- **Description: Professor Cheng Bin and Professor Jaane from the Finnish Atmospheric Research Institute visited the Panjin Guanghe Crab Industry Experimental Base and provided key suggestions on the overwintering breeding plan for river crabs. IAHR-DUT instructors and some members attended the meeting.**



- **Name: Academic report on the role of ecological environment and water quality monitoring under climate change**
- **Date: 2024.11.16**
- **Venue: Dalian University of Technology**
- **Objectives: Environmental Protection**
- **Description: Professor Lauri emphasized the importance of water quality monitoring for ecological environment protection in a vivid and interesting way in his report. He reviewed and introduced the 50 year history of inland water quality monitoring in Finland, and used charts to clearly display the monitoring and changes of water quality in various lakes and rivers in Finland over the past 50 years. Finally, Professor Lauri Arvola introduced the regulations and laws on water resource management issued by the Finnish government in recent years, and discussed the future development trends of water quality monitoring. IAHR-DUT members attended the meeting.**
- **Name: On site sea ice training course**
- **Date: 2025.1.23**



- **Venue: Panjin**
- **Objectives: On site investigation of sea ice**
- **Description: The training course features the cultivation of hands-on abilities, innovatively conducting on-site experiments on the ice surface of Lake Hanzhang every afternoon based on morning classroom lectures, enhancing the hands-on abilities of young polar science and technology workers and graduate students, and increasing their intuitive understanding and comprehension of on-site sea ice investigations. IAHR-DUT members attend and are responsible for logistics support work**



## Partnerships and collaboration

### Partnerships

Collaboration with other YPNs, associations or organisations

## Communication channels

Twitter |  
Instagram |  
Linked In |  
Facebook |



WeChat |  
Website | <https://www.iahr.org/index/committe/31>