

IAHR Dalian University of Technology Young Professionals Network

2023 Annual Report
of Activities



**Young
Professionals
Network**

Hosted by
Spain Water and IWHR, China

1. 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.

Being part of IAHR-DUT-YPN means embracing a journey of exploration, connection, and professional enrichment. Join us as we collectively shape the future of hydro-environment engineering. Explore the possibilities, connect meaningfully, and grow with us!

2. Main goals and key objectives in 2023

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. Strengthen International Collaboration:

Objective: Foster stronger ties with other IAHR Young Professional Networks and international organisations.

Action Plan: Establish partnerships, participate in joint initiatives, and organize collaborative events to promote knowledge exchange on a global scale.

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. Community Engagement Programs:

Objective: Undertake outreach programs to engage with local communities.

Action Plan: Organize educational sessions, workshops, and awareness campaigns on water-related issues. Contribute actively to community development projects.

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 2023, 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.

3. Activities in 2023

Activity 1



The 23rd Lecture Series by
Renowned Scholars at the Faculty of
Infrastructure Engineering DUT

Date/s

31 May 2023

Venue

Dalian University of Technology

Objectives

Learning, making membership
appealing

Description

Data accumulation: methods and
applications

Activity 2



Academic Seminar on Water
Environment Research by Dalian
University of Technology and
Kumamoto University in 2023.

Date/s

12-13 June 2023

Venue

Dalian University of Technology

Objectives

Learning, making membership
appealing

Description

Numerical simulation of urban flooding and disaster risk reduction management

Activity 3



Academic Lecture at the Faculty of Infrastructure Engineering DUT – Academic Presentation by Professor Lauri Arvola from the University of Helsinki, Finland.

Date/s
24 Oct 2023

Venue
Dalian University of Technology

Objectives
Learning, making membership appealing


Description
The influencing factors of the lake ecosystem

Activity 4


Academic Lecture at the Faculty of Infrastructure Engineering DUT – Academic Presentation by Professor Matti Leppäranta from the University of Helsinki, Finland.

Date/s
11 Nov 2023

Venue

	<p>Dalian University of Technology</p> <p>Objectives Learning, making membership appealing</p> <p>Description Annual cycle of lake ice</p>
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Activity 5

	<p>Academic Lecture at the Faculty of Infrastructure Engineering DUT – Academic Presentation by Dr. Cheng Bin, Senior Researcher at the Finnish Meteorological Institute.</p> <p>Date/s 11 Nov 2023</p> <p>Venue Dalian University of Technology</p> <p>Objectives Learning, making membership appealing</p> <p>Description Snow and ice interaction in lake Orajärvi: observation and modeling</p>
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Activity 6



Academic Lecture by Professor Taku Fujiwara from Kyoto University, Japan.

Date/s

24 November 2023

Venue

Dalian University of Technology

Objectives

Learning, making membership appealing

Description

Development of a rotating advanced oxidation contractor for the removal of emerging contaminants in wastewater: From idea to application

Activity 7



Wu Runqi receives the Second Prize for Graduate Thesis at the Seminar on Conservation and Utilization of Water and Soil Resources in the Grassland Pastoral Areas and Ecological Restoration of the Yellow River Basin

Date/s

15 June 2023

Venue

Dalian University of Technology

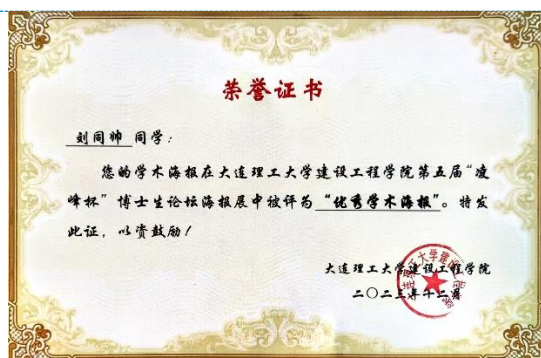
Objectives

Promote academic exchanges

Description

Optical properties of ice affect primary production

Activity 8



Liu Tongshuai receives the Excellent Academic Poster Award at the 5th "Lingfeng Cup" Ph.D. Forum of the Faculty of Infrastructure Engineering DUT

Date/s

21 Dec 2023

Venue

Dalian University of Technology

Objectives

Learning, making membership appealing

Description

Optical properties of ice affect primary production

Activity 9



Liu Mingyang was awarded the Second Prize for Outstanding Student Presentation at the 23rd Cross-Strait, Hong Kong, and Macao Environmental Resources and Ecological Conservation Academic Seminar

Date/s

20 Dec 2023

Venue

Dalian University of Technology

Objectives

Keep moving

Description

An assessment of the urban waterlogging resilience related to the flooding cycle



4. Partnerships and collaborations

1. Partnerships

Kyoto University provides opportunities for exchanges abroad and co-organises academic exchange events.

2. Collaboration with other YPNs

Hohai University, IWHR Beijing, Nanjing Hydraulic Research Institute, Sichuan University, Tianjin University, Tsinghua University, Wuhan University, and Xi'an University of Technology co-participated in the 2nd IAHR-YPN Doctoral Student Forum hosted by NHRI.



Fig: Memberships of DUT participated in the 2nd IAHR-YPN Doctoral Student Forum.

5. Communication channels

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