



IAHR Nanjing Hydraulic Research Institute

Young Professionals Network

2021 Annual Report of Activities

1. Introduction

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 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 135 by 2021. The daily activities of the IAHR-NHRI-YPN are organized and managed by the executive committee. The executive committee includes 1 president, 1 vice-president, 1 administrative secretary, 1 communication secretary, 1 publicity secretary, and 1 treasurer.

IAHR-NHRI-YPN actively pays attention to the research frontiers of hydrology and water resources, hydraulics and river dynamics, water conservancy and hydropower engineering, hydraulic structural engineering and port, coastal and offshore engineering, geotechnical engineering, disaster prevention and mitigation and protection engineering, bridge and tunnel engineering, structural engineering, municipal engineering, environmental engineering, material science and engineering, etc. IAHR-NHRI-YPN is committed to providing a platform for NHRI graduate students to communicate with each other, participate in project research and IAHR activities, and providing professional questions and career guidance. With the help of IAHR as an international exchange platform and combined with the advantages of our technical and scientific research, IAHR-NHRI-YPN actively carries out various activities in order to improve the academic level and international vision of its members and promote young scholars to the international academic stage.

2. 2021 main goal and key objectives

In 2021, IAHR-NHRI-YPN won the Special Award to the most active YPNS From the Asia and Pacific Division at the Opening Session of the 1st IAHR Online Forum.

At the 1st IAHR Young Professionals Congress, three members of IAHR-NHRI-YPN shared their research results. At the 2nd IAHR Young Professionals Congress, two other members of IAHR-NHRI-YPN shared their research results. These doctoral students showed the elegant demeanour of NHRI students on the international stage.

The IAHR-NHRI-YPN Executive Committee has been paying attention to the academic lectures and seminars held by IAHR, and timely publicized and promoted them to NHRI students. As the benefits of YPN members, the series of high-quality academic activities are directly



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provided for them to watch and study, laying a solid foundation for their future academic research and international exchanges.

In addition, the IAHR-NHRI-YPN will continue to recruit new members, improve the organization management mechanism, and review membership, which made IAHR-NHRI-YPN a more mature professional organization.

3. Composition

Officers

President

| | |
|--------|--|
| Lei Wu | |
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Vice President

| | |
|---------|--|
| Ming Ye | |
|---------|--|

Advisor

| | |
|---------------|-------------|
| Jianyun Zhang | Yun Li |
| Xiping Dou | Qiuwen Chen |

Administrative Secretary

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|-------------|--|
| Qianyu Deng | |
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Communication Secretary

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| Qinyuan Li | |
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Treasurer

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| Lulin Liu | |
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Publicity Secretary

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|-----------|--|
| Wenxin Li | |
|-----------|--|

List of members

| Number | Name | Surname | Country | Membership category |
|--------|-----------|---------|---------|---------------------|
| 1 | Jingkai | Liu | China | Student affiliate |
| 2 | Fan | Yang | China | Student affiliate |
| 3 | Bing | Yan | China | Student affiliate |
| 4 | Lei | Yu | China | Student affiliate |
| 5 | Xuegang | Li | China | Student affiliate |
| 6 | Chengtuan | Yin | China | Student affiliate |
| 7 | Bo | Dong | China | Student affiliate |
| 8 | Xianrui | Shi | China | Student affiliate |
| 9 | Yuhang | Zhao | China | Student affiliate |
| 10 | Chunyue | Zhu | China | Student affiliate |
| 11 | Mengyuan | Kong | China | Student affiliate |
| 12 | Ting | Li | China | Student affiliate |

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|----|-----------|-------|-------|-------------------|
| 13 | Honghai | Ma | China | Student affiliate |
| 14 | Binhua | Xu | China | Student affiliate |
| 15 | Junhui | Xu | China | Student affiliate |
| 16 | Mingcheng | Zhu | China | Student affiliate |
| 17 | Luzhidan | Fu | China | Student affiliate |
| 18 | Yan | Gong | China | Student affiliate |
| 19 | Qiaoyi | Hu | China | Student affiliate |
| 20 | Kaiwen | Yu | China | Student affiliate |
| 21 | Jueding | Liu | China | Student affiliate |
| 22 | Kai | Dong | China | Student affiliate |
| 23 | Hanman | Li | China | Student affiliate |
| 24 | Bo | Wu | China | Student affiliate |
| 25 | Mingming | Song | China | Student affiliate |
| 26 | Jintao | Zheng | China | Student affiliate |
| 27 | Xi | Jiang | China | Student affiliate |
| 28 | Peisi | Yang | China | Student affiliate |
| 29 | Yuxiao | Ye | China | Student affiliate |
| 30 | Yuanyi | Chen | China | Student affiliate |
| 31 | Chang | Li | China | Student affiliate |
| 32 | Jing | Liu | China | Student affiliate |
| 33 | Biao | Wang | China | Student affiliate |
| 34 | Jie | Wang | China | Student affiliate |
| 35 | Zhangkang | Shu | China | Student affiliate |
| 36 | Hengli | Wang | China | Student affiliate |
| 37 | Lu | He | China | Student affiliate |
| 38 | Zhengxian | Zhang | China | Student affiliate |
| 39 | Nan | Gu | China | Student affiliate |
| 40 | Haowen | Liu | China | Student affiliate |
| 41 | Yicheng | Gu | China | Student affiliate |
| 42 | Mingcheng | Du | China | Student affiliate |
| 43 | Zhouliang | Sun | China | Student affiliate |
| 44 | Jie | Li | China | Student affiliate |
| 45 | Ziyu | Chen | China | Student affiliate |
| 46 | Fuxian | Jian | China | Student affiliate |
| 47 | Ruiming | Liu | China | Student affiliate |
| 48 | Libing | Li | China | Student affiliate |
| 49 | Yumeng | Zhu | China | Student affiliate |
| 50 | Lei | Wu | China | Student affiliate |
| 51 | Youzhi | Hao | China | Student affiliate |
| 52 | Huiwen | Wang | China | Student affiliate |
| 53 | Guangyu | Chen | China | Student affiliate |
| 54 | Huijing | Luo | China | Student affiliate |

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|----|-----------|-------|-------|-------------------|
| 55 | Zhiqing | Yan | China | Student affiliate |
| 56 | Liting | Tan | China | Student affiliate |
| 57 | Xiaoyu | Tian | China | Student affiliate |
| 58 | Tao | Liu | China | Student affiliate |
| 59 | Xueying | Tian | China | Student affiliate |
| 60 | Hui | Zhang | China | Student affiliate |
| 61 | Gang | Li | China | Student affiliate |
| 62 | Feng | Yang | China | Student affiliate |
| 63 | Zhi | Li | China | Student affiliate |
| 64 | Wenhao | Liu | China | Student affiliate |
| 65 | Fanxing | Zeng | China | Student affiliate |
| 66 | Yuanyuan | Yang | China | Student affiliate |
| 67 | Yongzeng | Huang | China | Student affiliate |
| 68 | Yifan | Su | China | Student affiliate |
| 69 | Shouyuan | Zhang | China | Student affiliate |
| 70 | Haotian | Han | China | Student affiliate |
| 71 | Baoying | Jiang | China | Student affiliate |
| 72 | Xuefeng | Peng | China | Student affiliate |
| 73 | Ruiqi | Tan | China | Student affiliate |
| 74 | Shuo | Wang | China | Student affiliate |
| 75 | Yuchong | Wei | China | Student affiliate |
| 76 | Zelin | Cheng | China | Student affiliate |
| 77 | Haoran | Huang | China | Student affiliate |
| 78 | Hao | Zhang | China | Student affiliate |
| 79 | Pu | Zhao | China | Student affiliate |
| 80 | Kaixiao | Chen | China | Student affiliate |
| 81 | Jintao | Fang | China | Student affiliate |
| 82 | Senhao | Mao | China | Student affiliate |
| 83 | Tingqiang | Xie | China | Student affiliate |
| 84 | Jiayi | Xu | China | Student affiliate |
| 85 | Zixiang | Li | China | Student affiliate |
| 86 | Meng | Cao | China | Student affiliate |
| 87 | Jinqiu | Sun | China | Student affiliate |
| 88 | Ruoyu | Wang | China | Student affiliate |
| 89 | Ming | Ye | China | Student affiliate |
| 90 | Ye | Zhang | China | Student affiliate |
| 91 | Miaoli | Lin | China | Student affiliate |
| 92 | Tianlong | Xia | China | Student affiliate |
| 93 | Jinyu | Ge | China | Student affiliate |
| 94 | Xuesong | Han | China | Student affiliate |
| 95 | Yunlei | Lin | China | Student affiliate |
| 96 | Xiaokang | Chen | China | Student affiliate |

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|-----|----------|-------|-------|-------------------|
| 97 | Lin | Li | China | Student affiliate |
| 98 | Weihao | Wang | China | Student affiliate |
| 99 | Pei | Ding | China | Student affiliate |
| 100 | Shixian | Hong | China | Student affiliate |
| 101 | Menghao | Jia | China | Student affiliate |
| 102 | Jun | Yang | China | Student affiliate |
| 103 | Qi | Han | China | Student affiliate |
| 104 | Qinyuan | Li | China | Student affiliate |
| 105 | Gufei | Fan | China | Student affiliate |
| 106 | Duo | Xu | China | Student affiliate |
| 107 | Mengzhuo | Yang | China | Student affiliate |
| 108 | Wenqi | Zhou | China | Student affiliate |
| 109 | Qianyu | Deng | China | Student affiliate |
| 110 | Wenting | Fan | China | Student affiliate |
| 111 | Wenxin | Li | China | Student affiliate |
| 112 | Lulin | Liu | China | Student affiliate |
| 113 | Yang | Xu | China | Student affiliate |
| 114 | Meixia | Bai | China | Student affiliate |
| 115 | Yan | Chen | China | Student affiliate |
| 116 | Zhaoyi | Cheng | China | Student affiliate |
| 117 | Fei | Ge | China | Student affiliate |
| 118 | Danni | Han | China | Student affiliate |
| 119 | Xinye | Ji | China | Student affiliate |
| 120 | Hongjing | Li | China | Student affiliate |
| 121 | Hongpeng | Li | China | Student affiliate |
| 122 | Leimeng | Li | China | Student affiliate |
| 123 | Jing | Liu | China | Student affiliate |
| 124 | Shijun | Liu | China | Student affiliate |
| 125 | Haoda | Ma | China | Student affiliate |
| 126 | Lili | Song | China | Student affiliate |
| 127 | Fuwei | Tian | China | Student affiliate |
| 128 | Lin | Wang | China | Student affiliate |
| 129 | Lanlin | Wei | China | Student affiliate |
| 130 | Yuting | Xie | China | Student affiliate |
| 131 | Zhizheng | Xie | China | Student affiliate |
| 132 | Zhe | Zhang | China | Student affiliate |
| 133 | Ju | Zhou | China | Student affiliate |
| 134 | Hao | Yuan | China | Student affiliate |
| 135 | Xiaoyu | Yang | China | Student affiliate |


4. Communications

[Website and social networks]

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| Website | https://www.iahr.org/index/committe/66 |
| Facebook | - |
| Twitter | - |
| Instagram | - |
| Linkedin | - |
| Other | QQ chat group (group number 783771720) |


[Promotional and information materials]

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| Newsletter/s | - |
| Publication/s | - |
| Other |  <p>2021 NHRI-YPN Member Recruitment poster</p> |

5. Activities

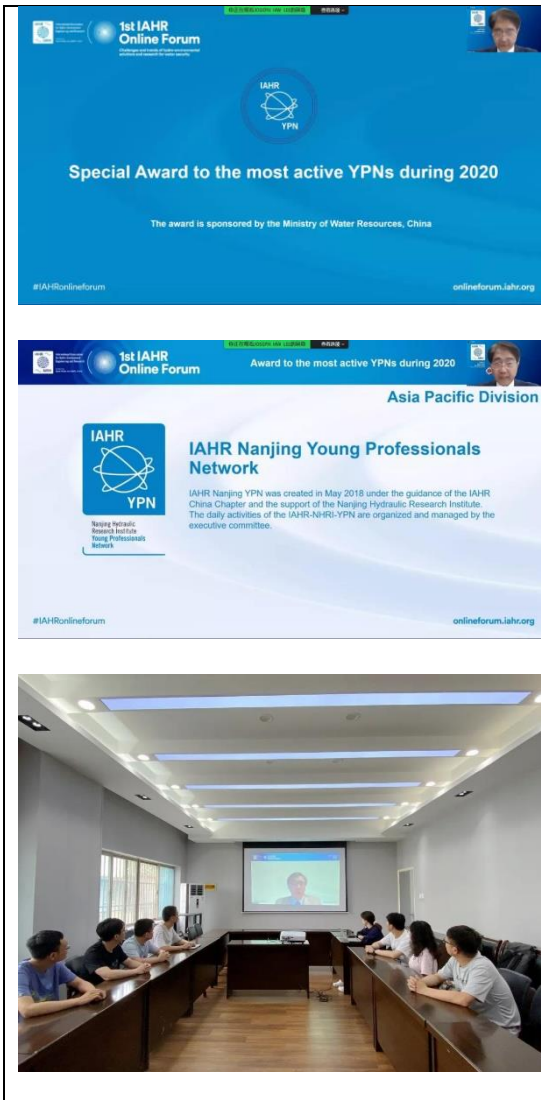
[Activities organised in 2021] [Please also attach pictures a separate .JPG files]

Activity 1

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| Picture/s | <p>Name of the activity 1st IAHR Online Forum</p> <p>Dates 5-7 July, 2021</p> <p>Objectives This Forum aims to share and exchange frontier knowledge and innovative achievements and discuss new challenges and development trends in water conservancy and environment field.</p> <p>Description At the meeting, IAHR president announced that the IAHR-NHRI-YPN won the most active YPN special award in Asia-Pacific division during 2020. This award aims to encourage all YPNs to actively participate in the academic activities organized by IAHR,</p> |
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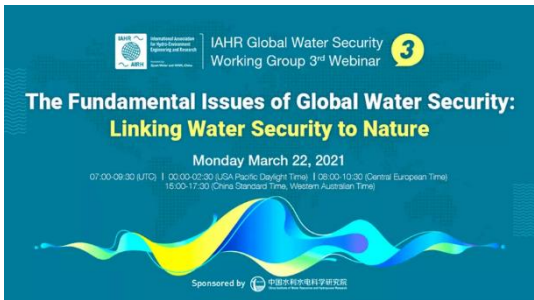
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and promote the communication and exchange of young professionals.

A total of 3 YPNs from 49 universities (units) around the world won this award, and we are the only award-winning unit in the Asia-Pacific region. This award is an affirmation and encouragement to the work of IAHR-NHRI-YPN. Under the guidance and support of IAHR China Chapter and Nanjing Institute of Hydraulic Research, IAHR-NHRI-YPN will continue to serve young scholars. After won the award, we prepared a short promotional video as requested by IAHR. At present, the video has been uploaded to the website of IAHR YPN of our unit, which shows our style.

Activity 2

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| <p>Picture/s</p>  | <p>Name of the activity Watching the academic lectures organized by IAHR & Discussing views</p> <p>Dates 25 February to 2 December 2021</p> <p>Objectives The purpose is to provide members with an opportunity for academic exchanges, a chance to collide with different academic views and to strengthen members' understanding of the field of water science and learning of frontier science.</p> <p>Description</p> |
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|   | <p>During this year, we continued to organized IAHR-NHRI-YPN members to watch the online academic lectures held by IAHR. Carry out internal academic exchange activities in the form of a combination of reports, speeches and free discussions. During the event, members can freely share the latest experiments and scientific research results of their respective disciplines, including navigation and marine mechanics, hydrology and water resources, water conservancy engineering, geotechnical engineering and other disciplines in combination with IAHR lectures.</p> |
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Activity 3

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| <p>Picture/s</p>  <p>2021年南科院研究生 新老生交流会</p> <p>研究生院 2021年9月</p>   <p>国际水利与环境工程学会南京水科院 青年专家网络介绍</p> <p>汇报人：吴磊 2021年9月25日</p>  | <p>Name of the activity IAHR-NHRI-YPN Recruitment presentation</p> <p>Dates 24-27 September, 2021</p> <p>Objectives It aims to introduce IAHR-NHRI-YPN in a comprehensive and systematic way, and new graduate students can have a more detailed understanding of the activities, membership benefits and executive committee of YPN, so that each freshman can choose the position that interests him or her according to their own will and specialty, and then integrate YPN with new blood to achieve better development of IAHR-NHRI-YPN .</p> <p>Description</p> <ol style="list-style-type: none"> 1. IAHR-NHRI-YPN introduction Firstly, we briefly introduce the details of IAHR, YPN, and IAHR-NHRI-YPN. 2. YPN activity report We described the activities details that YPN has conducted so far and the results achieved. 3. Welcome new members We introduced the membership benefits and the executive Committee, and |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| <p style="text-align: center;">目录</p> <p>1 IAHR-NHRI-YPN简介</p> <p>2 YPN 活动汇报</p> <p>3 欢迎新会员</p> | <p>issued a notice to recruit new members and members of the new executive Committee.</p> |
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Activity 4

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| <p>Picture/s</p>   | <p>Name of the activity</p> <p>Study the "5th International Symposium Shallow Water Flows" organized by IAHR and exchange views after the meeting</p> |
| | <p>Dates</p> <p>23-25 October, 2021</p> |
| | <p>Objectives</p> <p>Present high-quality webinars to members and encourage members to actively participate in the seminars, giving members the opportunity to express their views.</p> |
| | <p>Description</p> <p>The 5th International Symposium on Shallow Flow (ISSF2021) was held in Nanjing. IAHR-NHRI-YPN members watched and learned the symposium online and offline, and exchanged and discussed their personal views after the meeting.</p> |

Activity 5

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| <p>Picture/s</p> | <p>Name of the activity</p> <p>The 1st China-ASEAN Dam Safety Popularization Contest</p> |
| | <p>Dates</p> <p>25-26 November, 2021</p> |
| | <p>Objectives</p> <p>Disseminate scientific ideas, publicize and popularize scientific knowledge of water conservancy, especially dams, and cultivate good international communication awareness and ability of YPN members of our college.</p> |

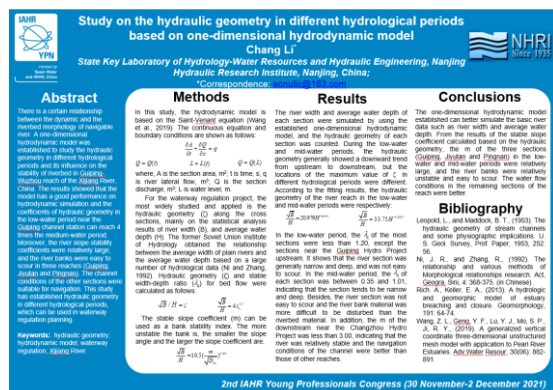
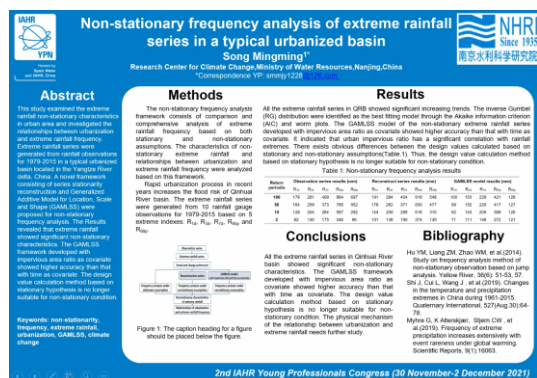


Description

The first China-ASEAN Dam Science Popularization Contest aims to publicize and popularize the scientific knowledge of water conservancy, especially dam, enhance the communication ability of water conservancy science, and promote the sharing of advanced water conservancy scientific and technological achievements. Ye Ming, Li Qinyuan and Wu Lei, executive committee members of NHRI-YPN, actively signed up and won the third prize.

Activity 6

Picture/s



Name of the activity

2nd IAHR Young Professionals Congress

Dates

30 November to 2 December, 2021

Objectives

In order to provide a platform for young professionals to display scientific research achievements and broaden their academic horizon and exercise their international exchange ability, IAHR is specially organized this activity.

Description

More than 60 graduate students watched the live broadcast of the academic report. Li Chang, doctoral candidate of the Institute of River and Coastal Research, and Song Mingming, doctoral candidate of the Institute of Hydrology and Water Resources, actively signed up for the conference and were successfully selected. They made academic reports and exchanges, showing the academic style of NHRI students on the international stage. At the same time, YPN also actively organizes postgraduate



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| | members to watch the live broadcast of academic reports offline. |
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6. Contributing to the strategic plan

6.1. 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>)

The COVID-19 epidemic has forced scholars to minimize face-to-face communication to reduce the possibility of infection, but communication between scholars is essential, thus promoting the popularization and development of online communication. As IAHR is an international academic organization, members from all over the world have limited opportunities for face-to-face communication, but the huge advantage of online communication makes up for this deficiency. We promote learning and communication by organizing online sharing activities and actively participating in online activities organized by IAHR in this context, and we believe that online communication will become increasingly popular.

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

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.