

**International Ice and snow building innovation design and construction  
competition  
Previous review**



2021 Harbin Institute of Technology International Ice and snow architecture innovation design competition is one of the series of international academic exchange activities of Harbin Institute of technology. The theme of the activity is ice and snow architectural design and innovative construction. Four sessions have been held since 2016, jointly sponsored by Harbin Institute of technology, international thin shell and Space Structure Association Working Group 21 (IASs) and Arctic University Alliance. During this period, teachers and students from many universities at home and abroad participated in the joint design and practice of ice and snow, and achieved fruitful results.

## The first ice and snow art festival

### — China-Europe joint ice and snow construction camp(2016)

The China Europe joint ice and snow construction camp was hosted by the school of architecture of Harbin Institute of technology in December 2016. The activity is divided into two parts: ice and snow building construction and ice sculpture art. In the part of ice and snow construction, Chinese and foreign teachers and students from Eindhoven University of Technology and Harbin Institute of technology jointly built one ice house and two ice towers, and designed six ice and snow design works. More than 100 teachers and students participated in this activity, creating a visual feast of art and creation, wisdom and charm. The activity aims to strengthen the concept of focusing on ice and snow, highlighting innovation and shaping characteristic campus culture. Based on discipline characteristics and driven by innovation and development, based on previous successful experience, the activity further expands the influence of ice and snow culture, improves college students' innovation ability and practical ability, and makes ice and snow art activities a characteristic brand cultural activity in winter in Colleges and universities.



## 2017 Harbin International Ice and snow construction Festival

### ——"Extraordinary ice architecture" ice and snow Architecture Innovation Design Competition

The 2017 Harbin International Ice and snow construction Festival is co sponsored by outlets (Harbin) Square Co., Ltd., maple leaf Town, Harbin Institute of technology and IASs working group 21. During the event, teachers and students from China and the Netherlands jointly designed and guided the construction of the main building of the ice and snow construction Festival: composite ice shell ice tower (also known as China Xiangyun tower). With a height of 30.541 meters and a diameter of 30 meters, China Xiangyun tower broke the original world record of 21 meters of international ice shell, created a new world record and was certified on site by the world record certification authority. At the same time, teachers and students from Harbin Institute of technology, Tsinghua University, Eindhoven University of technology in the Netherlands, Ghent University, Kent State University and Catholic University of Leuven have built 8 ice houses with the theme of "extraordinary ice architecture".





Kent State University



Tsinghua University



Ghent University



Catholic University of Leuven



China Xiangyun tower



## 2018 Harbin Institute of Technology International Ice and snow construction Festival

2018 Harbin Institute of Technology International Ice and snow construction Festival is jointly sponsored by Harbin Institute of technology and IASs working group 21. Schools participating in this activity include University of Cambridge, Eindhoven University of technology, Catholic University of Leuven, Kent State University, Tsinghua University and Harbin Institute of technology. Taking the ice and snow Carnival as the platform, the competition invites elite talents and professionals in the field of ice and snow architecture to carry out innovative design of new ice and snow buildings in an international scale, aiming to inject new blood and vitality into the development of ice and snow buildings and find new breakthroughs in the collaborative innovation of ice and snow buildings and structures. During the competition, more than 60 teachers and students from colleges and universities at home and abroad gathered together to exchange and make progress. In combination with this competition, two international cooperation fairs, one international academic seminar and more than 10 academic lectures were held, forming a multi-dimensional and serial activity in the field of ice and snow architecture, combining scientific research, teaching and practice.





## 2019 Harbin Institute of Technology International Ice and snow innovative design and construction competition

2019 Harbin Institute of Technology International Ice and snow innovative design and construction competition, as one of the Centennial celebrations of Harbin Institute of technology, was jointly organized by Harbin Institute of technology, Arctic University Alliance and IASs working group 21. It was held on the campus of Harbin Institute of technology in December 2019. The theme of the competition is: Modern Arctic ice house design based on Arctic tradition and innovative research on ice and snow architecture. The competition received a total of 40 entries from 5 countries. In addition to the previous excellent teams, new members of the foreign participating teams joined. The participation of the domestic team was unprecedented, realizing the expansion of the exploration and research coverage of innovative ice and snow buildings at home and abroad. Professor Li Yifan, chief scientist of the training center of Harbin Institute of technology of Arctic University Alliance, Juhani lilberg, President of the international ice and Snow Sculpture Association, Timo Jokela, Dean of the school of art and design of Lapland University, Hou Weidong, director of the engineering design department of Harbin Ice Lantern Art Expo Center Han Zhenkun, President of the Sculpture Institute of Heilongjiang Academy of contemporary art, was invited to attend and spoke highly of the activity.





Eindhoven University of technology



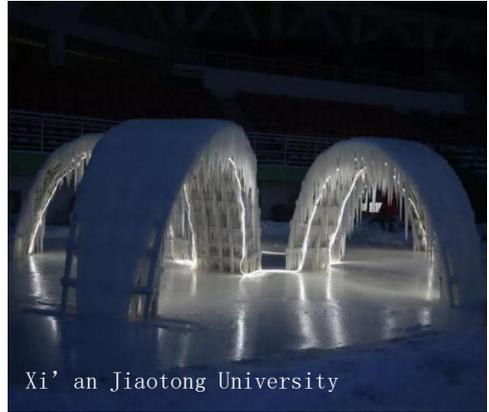
Harbin Institute of technology



University of Lapland



Kent State University



Xi'an Jiaotong University

