

Harbin Institute of Technology International Ice and Snow Innovation Design and Construction Competition

A Review of Past Works



"HIT International Ice and Snow Construction Festival" is one of the international academic exchange series of events in Harbin Institute of Technology. The theme of this special winter festival is ice and snow architectural design and construction innovation. Since 2016, it has been held for 3 years annually and co-sponsored by HIT and International Association of Shell and Space Structures (IASS). During the periods, teachers and students from many universities at home and abroad participated in the joint design and practical of ice and snow in Harbin, and achieved rich results .

Sino-Euro Joint Studio of Ice Architecture Construction

The "Sino-Euro Joint Studio of Ice Architecture Construction" sponsored School of Architecture, Harbin Institute of Technology was held in December 2016 at the School of Architecture, HIT. This event was divided into two parts: ice architecture construction and ice sculpture art. Among them, at the ice architecture construction part, teachers and students from Eindhoven University in the Netherlands, Harbin Institute of Technology in China built 1 ice house, 2 ice towers, and designed six ice design works together. More than 100 teachers and students participated in the event, creating a visual feast of art and creativity, wisdom and charm. The purpose of the event is to strengthen the concept of "focusing on ice and snow, highlighting innovation, shaping characteristic campus culture". Based on discipline characteristics and driven by innovation and development, learned from past successful experiences, it further enlarges the influence of ice and snow culture, improves college students' innovative and practical abilities. It has become 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 Innovative Design Competition

The 2017 Harbin International Ice and Snow Construction Festival was co-sponsored by the Maple Leaf Town Outlets Plaza Co., Ltd., Harbin Institute of Technology and IASS Working Group 21. During the event, the team of teachers and students of China and Netherlands jointly designed and directed the construction of the main building of the Ice and Snow Construction Festival: The Composite Ice Shell Tower (also known as China Xiangyun Pagoda). The China Xiangyun Pagoda is 30.541 meters high and 30 meters in diameter, which breaks the world record of the original height of 21 meters of the international ice shell and sets a new world record. It has been certified by the World Records Certification Agency on the spot. Meanwhile, teams of teachers and students from Harbin Institute of Technology, Tsinghua University, Eindhoven University of Technology in the Netherlands, Ghent University in Belgium, Kent State University in the United States and Leuven University in Belgium built 8 ice houses with the theme of "extraordinary ice building".





Work of Kent State University



Work of Tsinghua University



Work of Ghent University



Work of Leuven University



China Xiangyun Pagoda

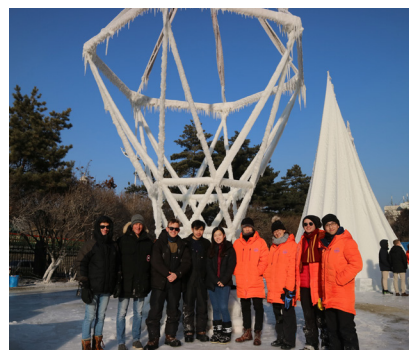


2018 HIT International Ice and Snow Construction Festival

The 2018 HIT International Ice and Snow Construction Festival was co-sponsored by Harbin Institute of Technology and IASS Working Group 21. The participating schools were Cambridge University, Eindhoven University of Technology in the Netherlands, Leuven University in Belgium, Kent State University in the United States, Tsinghua University and Harbin Institute of Technology. Taking the Ice and Snow Carnival of Harbin Institute of Technology as the platform, the competition invited elite talents and professionals in the field of ice and snow architecture to carry out innovative design of new ice and snow architecture in the international arena, aiming at injecting new blood and vitality into the development of ice and snow architecture and finding new breakthroughs for the collaborative innovation of ice and snow architecture and structure. During the competition, more than 60 college teachers and students from home and abroad gathered together to exchange ideas. In combination with the competition, 2 international cooperation fairs, 1 international academic seminar and more than 10 academic lectures have been held, forming a multi-dimensional and serialized activity in the field of ice and snow architecture, which combines scientific research, teaching and practice.



Work of University of Cambridge

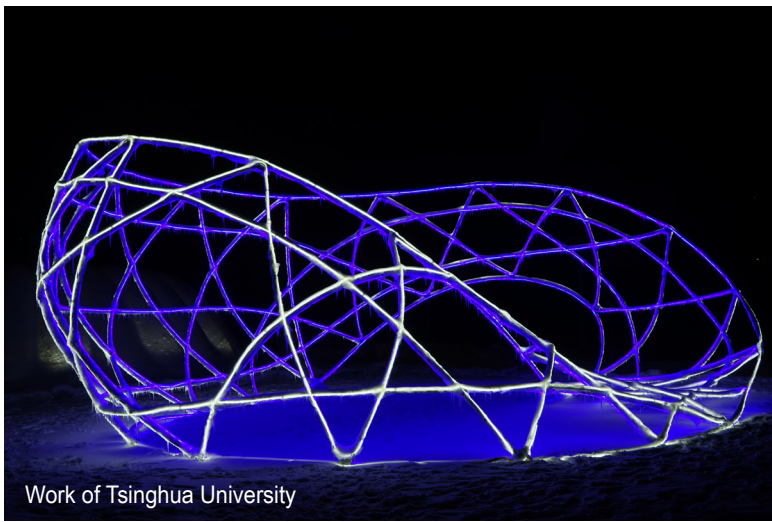


Work of Kent State University





Work of Eindhoven University of Technology



Work of Tsinghua University



Work of Harbin Institute of Technology

