

First International Competition on Modern Bamboo Structure Building Design



浙江大学
ZHEJIANG UNIVERSITY



Zhejiang University's
Sustainability Action Plan

Background

Under the strategic goals of "carbon peak" and "carbon neutrality", vigorously promoting the research and development and application of low-carbon biomass building materials such as bamboo and wood is one of the key measures for the construction industry to achieve the "dual carbon" goal.

Bamboo is a fast-mature and renewable biomass material, and rich bamboo forest resources exist in many parts of the world, particularly many developing countries. Significant research progress has been made in recent two decades in developing bamboo based engineering materials and structures. In order to reflect such research and industrial advancements, the "First International Competition on Modern Bamboo Structure Building Design" is planned.

The purpose of this design competition is to enhance college students' knowledge and understanding of the architectural characteristics of engineered bamboo and modern bamboo structures, and encourage their innovation motivation to use engineered bamboo for creative design. The organizers highly.

Schedule



Competition Theme

Please visit our website to read more: www.bamboodesign.net

Qualification

The team members must be full-time college students (including graduate students) at the time of submission. The teams can be formed across regions and schools. It is highly encouraged to form cross-disciplinary teams from architecture, structure and environmental engineering, etc.

Sign up the competition as an individual or in a group, with no more than 5 students in each group (instructors not included). The organizing committee will issue certificates of honor to the instructors.

Contact

Mr. Shengwei Qi,
CROSS Research Center, CIRCLE Research Center of Zhejiang University-University of Illinois Joint Institute
Email: BambooDesign@intl.zju.edu.cn Mobile: +86 19818339726

Awards

Grand prize (1 winner or vacant): plus award bonus 20,000 yuan (or 3,000 US dollars), plus team and individual award certificates.

First prize (1 winner): award bonus 10,000 yuan (or 1,600 US dollars), plus team and individual award certificates.
Second prize (2~3 winners): award bonus 5,000 yuan (or 800 US dollars), plus team and individual award certificates.

Third prize (5 winners): award bonus 2,000 (or USD 300), plus team and individual award certificates.
Innovative design award (no number limit): team and individual award certificates.

The winning works will have the opportunity to participate in the implementation of the HJ Village Reconstruction Project (specifically, it will be determined separately according to the progress of the project by the organizer).

Policy

The scope of participation in this competition is for students from universities and colleges. The organizer will require finalists and winners to provide corresponding student identity certificates. If a team does not meet the qualifications of this competition, the award and bonus will not be issued; the award and bonus will be replaced by the subsequent participating teams in the ranking.

The prize will be awarded to the winning teams, and the organizer will not interfere with the distribution of prizes within a team. The bonus amount includes tax. The winning team must provide the organizer with the bank information form signed by all team members (to be downloaded from the website).

The awards of all works will be determined by the competition jury, which will be formed from the academic advisers and the academic committee. If no works meet the unanimous judging requirements of the grand prize, it will be considered vacant.

The Organizer of the First International Competition on Modern Bamboo Structure Building Design reserves the right for the final interpretation and explanation of the competition rules.

【 Academic Advisers 】

Prof. Cui, K., Member of Chinese Academy of Engineering, China Architecture Design and Research Group, China
Prof. Liu, J.P., Member of Chinese Academy of Engineering, Xi'an University of Architecture and Technology, China
Prof. Spencer, B., Foreign Member of Chinese Academy of Engineering, University of Illinois, Urbana Champaign, USA

【 International Academic Committees 】

Prof. Carpenzano, O., Sapienza University of Rome, Italy
Prof. Correal Daza, J.F., University de los Andes, Colombia
Prof. Chen, Z.H., Tianjin University, China
Prof. Han, D.Q., Southeast University, China
Prof. He, M.J., Tongji University, China
Prof. Lao, Y.Q., Zhejiang University, UAD, China
Prof. Van De Lindt, J.W., Colorado State University, USA
Prof. Liu, J., Shanghai Jiaotong University, China
Mr. Liu, N.W., China Wood Protection Industry Association, China
Prof. Lu, W.D., Nanjing Tech University, China
Prof. Monti, G., Sapienza University, Italy
Dr. Rodolfo Lorenzo, UCL, UK
Prof. Toledo-Filho, R.D., Federal University of Rio de Janeiro, Brazil
Prof. Wei, C.Y., Hunan University, China
Dr. Wang, G., International Center for Bamboo and Rattan, China
Dr. Wang, J.H., Ningbo Sino-Canada Low-Carbon Technology Research Institute, Co. Ltd., China
Prof. Xiao, Y., Zhejiang University, ZJU-UIUC Joint Institute, China / University of Southern California, USA
Prof. Yang, X.D., Tsinghua University, China
Prof. Zhao, C., Nanjing University, China

【 Organizing Committee 】

A. Prof. Chen G., Nanjing Forestry University, China
A. Prof. Chen S., Zhejiang University, China
A. Prof. Fan, Y.L., China South University of Forestry and Technology
A. Prof. Demartino, C., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China
A. Prof. Hu, J., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China
A. Prof. Li, B.B., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China
A. Prof. Li, Y.Y., South China Agriculture University, China
A. Prof. Li, Z., Zhejiang University, China
A. Prof. Liu, W., Beijing Forestry University, China
Mr. Ma, J., Zhejiang Provincial Design Institute, Lt.d., China;
A. Prof. Narazaki, Y., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China
Prof. Wang, H.R., Zhejiang University, China
Dr. Wang, R., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China
Dr. Wen, J., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China
A. Prof. Xu, J., Nanjing Tech University, China
Prof. Yang, R.Z., Changsha University, China
Dr. Zhou, Q., Research Institute, China Construction Fifth Bureau, Co.
A. Prof. Zhu, T., Zhejiang University-University of Illinois at Urbana Champaign Joint Institute, China

【 Co-Chairs of Organizing Committee 】

Prof. Xiao, Y., Zhejiang University, China
Mr. Dang, W.J., China Wood Protection Industry Association, China
Prof. Shan, B., Hainan University, China

【 Organizing Institutes 】

Zhejiang University (Ninghai) Joint Research Center for Bio-based Materials and Carbon Neutral Development
China Wood Protection Industry Association
American Society of Civil Engineers (ASCE), Engineered Bamboo Structure Task Committee
Zhejiang University-University of Illinois at Urbana-Champaign Institute (ZJUUI)
Ningbo Ninghai Urban and Rural Construction Investment Co., Ltd.

【 Collaboration Organizations 】

University of Southern California, USA
University of Illinois at Urbana-Champaign, USA
Polytechnic University of Turin, Italy
University College London, UK
Sapienza University of Rome, Italy
Hainan University, China
Hunan University, China

【 Supporting Organizations 】

Ningbo Sino-Canada Low-Carbon Technology Research Institute, Co. Ltd., China
Rockmountain Green Buildings, China
HunanTaohuajiang Bamboo Science and Technology, Co. Ltd., Hunan, China
Hangzhou Bamboo Technologies, Ltd., Zhejiang, China
Background and Competition Theme