

# “2010 National Forum of Digital Technology Education for School of Architecture” Background and Introduction

The National Forum of Digital Technology Education for Schools of Architecture, hosted by the National Council of Architecture Education, is an authoritative activity that leads the development of digital architecture education in China. Through publications, lectures, and exhibitions, a high-standard platform is provided for educators, researchers, architects, and technical suppliers. Since 2006, the conference has been held annually at major architecture schools.

January 2006, the first National Conference took place in South China University of Technology, during which 11 major schools of architecture in China formed the Architectural Digital Technology Education Committee; April 2007, the second conference, with *Architectural Digital Technology and Architectural Design Education* as its main theme, was held in Southeast University, during which *Compendium for Promotion of Architecture Digital Technology Education* was established; October 2008, the third Annual conference, with *Modern Digital Technology in Architectural Design and Education* as its theme, was held in Tsinghua University; October 2009, the fourth conference, *Digit, Memory, Gene—Digital Technology and Architectural Creation and Education*, was held in Xi'an University of Architecture and Technology. The conferences mentioned above discussed the following topics:

- ◆ The influence of digital technology on architectural thinking
- ◆ Digitalized presentation of information in the process of architecture design
- ◆ Building information modeling and its application
- ◆ Digital design method and creative design
- ◆ Research and education of web-based collaborative design
- ◆ Architecture design education in the age of digital technology
- ◆ Research and application of digital technology in architecture design
- ◆ Computer aided analysis and simulation of architecture environment

- ◆ Computer-aided architectural design (CAAD) and its education and research
- ◆ Modern CAAD development technique and application
- ◆ Architecture visualization and virtual reality (VR)
- ◆ Application of digital technology in architectural researches

In addition, exhibitions and studios took place during the conferences. Participants included researchers and architects of domestic fame, as well as professors from GSD, MIT, Columbia GSAPP, SCI-ARC, AA School of Architecture, TU DELFT, ETH, RMIT etc and professionals from world famous architecture offices such as Gehry, KPF, Zaha Hadid, Foster, Arup.

The theme of this year's National Forum of Digital Technology Education for Schools of Architecture is ***Omnipresent Calculations—From Architectural Creation to Construction*** (seeing *Notification of 2010 National Forum of Digital Technology Education for Schools of Architecture and Second Call for Essay Submissions* for relevant details). The conference will be held in Tongji University. There will be theme lectures on three topics, namely Frontier Science, Computer Technology, and Digital Architecture, as well as special lectures related to education of architecture digital design and relevant creation and construction. Simultaneous exhibitions will feature digital design works of architecture schools and offices from both home and abroad. These works will be collected in *Architecture Digital Stream—From Creation to Construction*, a collection of conference papers, and published by Tongji University Press with a multimedia disk so as to provide digital editions of the papers and related dynamic demonstration as well as digital versions of theme lectures and special lectures.

Meanwhile, the theme exhibition and theses section will extend one week to the Annual Meeting of the *National Council of Higher Education in Architecture* (600 persons), which is to be held in Tongji University on September 6.

2010 National Forum of Digital Technology Education for Schools of  
Architecture Committee  
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