

Conference website

As for the detailed requirements on the paper presented to the conference and others, please visit the conference website:
[http:// ICTAS2011.xauat.edu.cn](http://ICTAS2011.xauat.edu.cn)



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**International Conference on Technology
of Architecture and Structure**
September 23-25, 2011, Xi'an , China
(First Announcement)
(ICTAS-Xi'an 2011)

Sponsors

Division of Hydraulic and Architecture Engineering,
Chinese Academy of Engineering

China Civil Engineering Society

Organizer

Xi'an University of Architecture and Technology



Conference theme

Innovation, Security and Sustainable Development

An unprecedented large-scale basic construction in our country provides great opportunities for the development of the civil engineering discipline. Due to the quick development of economy, growing social production and living needs, modern civil engineering structure is becoming larger and more complex, leading to new demands on new structural materials and innovation of structural systems. It is an intrinsic demand for the development of civil engineering to promote science and technology innovation in civil engineering, and to associate them naturally with architecture and environment, so as to achieve sustainable development.

In the 21st century, natural disasters happened frequently. Some natural disasters threaten the survival of human beings such as China Wenchuan 8.0 earthquake and Japan 9.0 earthquake, and what's more, the quality of civil engineering structures and safety are faced with severe challenges and tests. Civil engineering technical workers are entitled with higher sense of responsibility to provide security for human life and property.

After 2006 Xi'an, 2009 Shanghai and 2010 Beijing, 2011 international conference on technology of architecture and structure gets back to Xi'an again. The theme of this conference is "Innovation, Security and Sustainable Development", which provides a communicative platform for all those engaged in civil engineering and related discipline research workers and engineering technicians.

Topics

Session 1: Innovation of structural system and disaster prevention of engineering structure

High strength high performance materials and new structural system
Disaster prevention and reduction of civil engineering
Security and life cycle engineering design of civil engineering
Monitoring, evaluation and reinforcement technique of civil engineering
Geotechnical engineering and underground space structure
Construction technology of large complex structure
Infrastructure construction management and sustainable urban development

Session 2: Architecture innovation

Continuity of architecture history context
Reproduction and inherit of local architecture
Innovation of regional urban and town planning system
Innovation and application of ecological architecture technology
Intelligent building and digitalized urban construction

Session 3: Sustainable development of building energy and environment

Sustainable utilization of building energy and resources
Efficient architecture equipment, ventilation, air conditioning and refrigeration technology
Efficient energy-saving building sanitary equipment and systems
Water purification and wastewater treatment
Air environment control and architectural environment improvement techniques

Session 4: Innovation and application of building materials

New building materials
Technology for preparing building material environmental friendly
Recycling and reusing of building material
New technology for the preparation and construction of building materials



Call for Papers

1. Deadlines

Paper Submission: 2011.6.15
Notification of paper acceptance: 2011.7.31
Conference date: 2011.9.23-9.25

2. Content requirement

The content of papers should focus on the conference theme, and content clearly highlights, arguments detailed and reliable, the language refining and fluent, the level clear and reasonable. It also highlights practicality, creativity and prospectiveness. This paper should never publish in academic journals or conferences at home or abroad.

3. Format requirement

Format requirement is shown in conference website.

4. Paper Submission

The paper should be electronically submitted by email to ictas2011@163.com

The official language of the conference is English. All the papers should be written with English. Employed paper will be published in Applied Mechanics and Materials and Advanced Materials Research, and all conference papers will be indexed by EI Compendex.

