

会议网站：\_\_\_\_\_。

会议提交论文详细的格式要求及其他事宜见会议网站：

[http:// ICTAS2011.xauat.edu.cn](http://ICTAS2011.xauat.edu.cn)



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## 2011年 中国西安 国际建筑科技大会

International Conference on Technology of  
Architecture and Structure

September 23-25, 2011, Xi'an, China

(1号通知)

\_\_\_\_\_， 主办单位

中国工程院土木、水利与建筑工程学部  
中国土木工程学会

\_\_\_\_\_， 承办单位

西安建筑科技大学



会议主题：\_\_\_\_\_。

## 创新、安全、可持续发展

我国正在进行的空前规模的基本建设，为土木工程学科的发展提供了前所未有的历史机遇。强大的经济基础和不断发展的社会生产、生活需求使得现代土木工程结构向大型、复杂、新颖方向发展，这对新型结构材料与结构体系创新提出了迫切的需求。推进土木工程科技创新，并与建筑、环境等自然融合，从而实现可持续发展的战略思想，是土木工程学科发展的内在需求。

21世纪以来，自然灾害频发，尤其是像中国汶川8.0级地震、日本9.0级地震这样的特大自然灾害给人类造成了极大的威胁，土木工程结构的质量和安全性也面临着严峻的挑战与考验。土木工程科技工作者当以高度的责任心，为人类的生命财产安全提供有力的保障。

继2006年西安、2009年上海、2010年北京国际建筑科技大会后，2011年国际建筑科技大会再聚古城西安。本次会议以“创新、安全、可持续发展”为主题，为从事土木工程及其相关学科的科研工作者和工程技术人员提供交流平台。

征文范围：\_\_\_\_\_。

### Session 1: 结构体系创新与工程结构防灾

高强高性能材料与新型结构体系  
土木工程防灾减灾  
土木工程安全与全寿命设计  
土木工程监测、评估与加固技术  
岩土工程与地下空间结构  
大型复杂结构施工技术  
基础设施建设管理与城市可持续发展

### Session 2: 建筑创新

建筑历史文脉的延续性  
本土建筑的特性复制、继承与创新  
区域城乡规划设计体系创新  
生态建筑技术创新与应用  
智能建筑与城市建设数字化

### Session 3: 建筑能源与环境的可持续发展

建筑能源与资源的可持续利用  
高效建筑设备、通风、空调与制冷技术  
高效节能建筑卫生设备与系统  
水质净化与废水处理理论与技术  
空气质量控制与建筑环境改善技术

### Session 4: 建筑材料的创新与应用

新型建筑材料  
建筑材料的生态制备技术  
建筑材料的循环再生利用  
建筑材料制备、施工新技术



征文要求：\_\_\_\_\_。

### 1. 时间要求

提交论文全文的截止日期：2011年6月15日

通知论文录用的截止日期：2011年7月31日

会议时间：2011年9月23日-9月25日

### 2. 内容要求

论文内容要围绕大会主题，论点明确突出，论据详实可靠，语言精炼通顺，层次合理清晰，提倡实用性、创新性和前瞻性，且未曾在国内外学术期刊或会议上发表过。

### 3. 格式要求

格式要求详见会议网站。

### 4. 提交方式

请采用电子文档方式提交论文全文至邮箱：  
ictas2011@163.com

本次会议的工作语言为英语，所有论文必须用英文撰写，录用的论文拟刊登在 Applied Mechanics and Materials 和 Advanced Materials Research 期刊上，所有录用的文章将被 EI Compendex 检索。



## 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>



## International Conference on Technology of Architecture and Structure

September 23-25, 2011, Xi'an, China

(First Announcement)

(ICTAS-Xi'an 2011)

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## 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, 2008 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 contention 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 [ktas2011@163.com](mailto:ktas2011@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.

