



World Renewable Energy Asia Regional Congress and Exhibition (WREC-Asia)
In cooperation with
The 5th International Conference on Sustainable Development in
Building and Environment (SuDBE2011)

28 ~ 31 October, 2011
Chongqing University, Chongqing, China

Call for Full Papers



重庆大学
CHONGQING UNIVERSITY



WREN
World Renewable Energy Network



清华大学
Tsinghua University



ISBE



THE UNIVERSITY OF
HONGKONG
faculty of architecture



Chairman's Invitation

There is no doubt that climate change and global warming is linked to greenhouse gas (GHG) emissions resulting from human activities, particularly from the use of fossil fuels. About 40% of carbon emissions are generated through buildings, including construction, interior fitting, lighting, heating, cooling and maintenance. Many countries have established their GHG reduction targets and the implementation of renewable energy and building energy efficiency will play a fundamental role. It is an important issue to promote renewable energy as the new source of power in order to create a healthy environment.

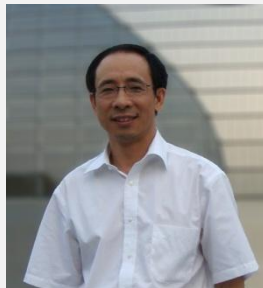
Sustainable Development of buildings and urban environments is an important issue for architects, building and environmental designers, engineers and policy-makers. To realize such a goal, an integration of social, economic, technological, environmental and ecological factors in an overall system of building and urban design and management is fundamental.

This conference will provide an exclusive opportunity for policy-makers, designers, researchers, engineers and managers to share their experience in implementation of renewable energy technologies and sustainable development in built environments. It will provide an excellent forum for reviewing the present state-of-the-art for sustainable development of buildings and urban environments by the participants from different parts of the world.

The municipality Chongqing, one of the largest cities in China, is experiencing a fast urbanisation process. Chongqing's sustainable development particularly welcomes international experts and practitioners to participate. This conference will offer a timely platform for participants to explore business opportunities for sustainable eco-city development in Chongqing.

Welcome to WREC-Asia & SuDBE 2011.

Prof. Baizhan Li
Chairman of the
WREC- Asia & SuDBE 2011



Conference Objectives

- To share experiences of renewable energy policy, technology and implementations through international exchange;
- To share knowledge and experiences in sustainable development in built environment;
- To discuss the issues of natural resources and climate change;
- To explore opportunities of international collaborations in research, education and business.

Conference Topics

T1: Renewable Energy and Applications

- T1.1 Policy, Regulation and Economics
- T1.2 Renewable Energy Resource, Planning and Management
- T1.3 Geothermal
- T1.4 Solar
- T1.5 Wind
- T1.6 Biomass
- T1.7 Marine and Ocean
- T1.8 Hydro

T2: Sustainable Development in Building and Environment

- T2.1 Climate Change, Policy and Regulation
- T2.2 Urban Planning and Eco-city
- T2.3 Sustainable Transport
- T2.4 Resource (energy, water and land) and Waste Management
- T2.5 Urban and Indoor Environmental Quality
- T2.6 Low Carbon/Green Building Construction, Operation, Management and Assessment
- T2.7 Low Energy Building (design/refurbishment, systems control and management)
- T2.8 Social, Technical and Economical Issues

T3: Best Practice, Education and Business Opportunity

- T3.1 Projects and exemplars covering T1 and T2
- T3.2 Education and Training Experiences covering T1 and T2
- T3.3 Business Opportunities (consultancy, university courses, training programs)

Submission Of Papers

We invite authors to contribute original papers and present at the WREC-Asia & SuDBE 2011. The full paper submission is open to the 1st July 2011. Authors who did not submit abstracts yet are encouraged to submit full papers directly with confirmation of participation **NOW**, no later than the 1st June 2011 . The submitted papers will be subject to peer review.

The paper should comply with following guidelines :

- The length of paper is 4-6 pages including reference, figures and tables, etc..
- The paper should include abstract, conference topic number, keywords, introduction, methodology, discussions and conclusions.
- English language should have been proofread before submission (template can be downloaded from the website)

Final acceptance of the full paper will be subject to peer reviewing and confirmation of registration payment by the author presenting the paper at the conference. Only papers with confirmation of registration payment will be published at the conference proceedings.

The paper could be submitted online at www.SuDBE2011.org or through our email: SuDBE2011@vip.163.com

Publications

All papers accepted will be published in the conference proceedings CD-ROM and a hard copy of *Abstracts*. A selection of 150 papers presented at the WREC-Asia & SuDBE2011 will be considered for publication in the International Journals such as International Journal of Renewable Energy (SCI); Indoor and Built Environment (SCI); International Journal of Indoor Air (SCI); International Journal of Building and Environment; International Journal of Architectural Engineering and Design Management (EI); Journal of Central South University of Technology (SCIE/EI); Journal of Chongqing University (EI), and etc. Selection of papers for publication in journals is subject to peer review.

Exhibitions

Companies, universities and institutions are warmly welcome to participate in WREC-Asia & SuDBE 2011, which is a unique opportunity for exhibitors to promote their products, consultant services, university courses and training programs internationally. The exhibitors will be given opportunity to introduce their products and services at the conference. A special Workshop will be hosted by the conference in association with the Chongqing Government to attract overseas companies involving in the regional urban development. The exhibition will be open during 29th -31st October 2011.

Important Dates

Confirmation of participation	ASAP No later than 1 June, 2011
Full Paper submission deadline	1 July, 2011
Date of conference	28-31 Oct, 2011

Registration Fee

Participants	USD\$500 or 3200 RMB
WREN members	USD\$400 or 2600 RMB
Invited Speaker	USD\$300 or 2000 RMB
Students	USD\$250 or 1600 RMB
Accompanying authors	USD\$150 or 1000 RMB

Organizer

Chongqing University, China

Co-organizers

World Renewable Energy Network, UK

University of Cambridge, UK

University of Reading, UK

Aalborg University, Denmark

Purdue University, USA

Kyung Hee University, Korea

The University of Hong Kong, China

Tsinghua University, China

Central South University, China

International Society of the Built Environment, UK

National Natural Science Foundation of China, China

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Chongqing Science and Technology Commission, China

Chongqing Construction Commission, China

Chongqing Foreign Economic and Trade Commission, China

The Royal Institution of Building Services Engineers, UK

China Green Building Council, China

CISDI Engineering Co. Ltd

Conference Venue

King World Hotel, No.9 Golden Resources Road, Jiangbei District, Chongqing, China

<http://www.empark.com.cn/english/cq02/index.asp>

Conference Language

The official language for abstracts, papers, and presentations is English.

Preliminary Program

Oct. 28	All day	Registration Workshops
Oct.29	Am	Opening Ceremony
		Keynote Speeches
	Pm	Plenary Session
	Evening	Welcome Dinner
Oct.30	Am	Plenary Session Technical Sessions
	Pm	Technical Sessions
Oct.31	Am	Plenary Session Technical Sessions
	Pm	Keynote Speeches
		Closing Ceremony
	Evening	Farewell Dinner

Conference Organizing Committee

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Tour Information

Chongqing (formerly spelled Chungking), is one of four municipalities in China, large cities that are not part of a province but report directly to the national government; it is the only municipality not located on the east coast, (the other three are Beijing, Shanghai and Tianjin). Chongqing municipality is technically the largest city in China in surface area and therefore could be defined better as a "provincial" municipality due to its massive size. While independent since 1997, it was historically and culturally part of south east Sichuan and still shares the same love for hot and spicy food dishes. The temperature of Chongqing in October may range from 16 to 22 °C.

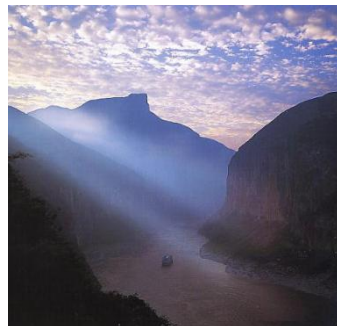


From Chongqing to:

- | | |
|--|---|
|  Hong Kong, 2 hours |  La Sa, 2.5 hours |
|  Shang Hai, 2 hours |  San Ya, 2 hours |
|  Bei Jing, 2 hours |  Hang Zhou, 2 hours |
|  Kun Ming, 1.3 hours |  Nan Jing, 1.5 hours |

Tour Information

The Three Gorges



The Three Gorges offer some fantastic scenery on the upper reaches of the Yangtze River. The gorges are named Qutang Gorge, Wu Gorge, and Xiling Gorge. Chongqing is at one end of this route, which extends a total distance of 189 kilometers to Nanjing Pass in the east. The Yangtze River is the longest river in China as well as one of the longest rivers in the world. The Three Gorges on the Yangtze River are famous for their breathtaking scenery, and are praised as nature's art gallery and wonderland. Of the three Gorges, the Qutang Gorge is magnificent and precipitous, the Wuxia Gorge is deep and beautiful and the Xiling Gorge has rapids and many rocks. The water in the Mini Three Gorges is clean and both banks are blanketed with trees and have many historical sites, scenic spots and lovely legends.

Tour Information

Dazu rock carvings



The Dazu Rock Carvings are a series of Chinese religious sculptures and carvings, dating back as far as the 7th century AD, depicting and influenced by Buddhist, Confucian and Taoist beliefs. Listed as a World Heritage Site, the Dazu Rock Carvings are made up of 75 protected sites containing some 50,000 statues, with over 100,000 Chinese characters forming inscriptions and epigraphs. The sites are located in Chongqing Municipality within the steep hillsides throughout Dazu County (located about 60 kilometers west of the city of Chongqing).

Hot spring spa



Chongqing boasts a rich resource of hot springs. More than 40 sites of hot springs have been found and 20 of them have been developed with a daily water yield of 50,000 cubic meters. Hence the name Capital of Hot Spring.

North Hot Spring

North Hot Spring is located at the "Little Three Gorges" of the Jialing River, surrounded by ancient temples and mountains, water, gorges, springs, stones, famous for its beauty and elegance.

Tour Information

Wulong



Wulong Karst, an important part of South China Karst, is situated at the lower reaches of the Wujiang River southeast of Chongqing. It was named as a world natural heritage by UNESCO in 2007. Wulong Karst features spectacular karst landscapes, including the three main parts of Furong Cave, Three Natural Bridges and Houping Tiankeng (Houping Giant Doline). Wulong Karst is a valuable treasure that nature created. It is a cluster of several karst landscapes, consisting of gorges, natural bridges, caves, eroded dolines, shafts and underground streams. These karst landforms developed in the carbonate rocks, vividly recording the development and evolution of karst terrain in the Three Gorges area since Pleistocene Era. Furong Cave, Three Natural Bridges and Houping Tiankeng are the three representative karst landforms, developing under the condition of intermittent uplifting movement of the earth.



28-31 OCTOBER 2011

SuD BE
Chongqing 2011

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