

SB07SEOUL
CALL FOR PAPERS



Sustainable Building Technology
Thinking Earth for Human Beings

**International Conference on
Sustainable Building Asia**

SB07 SEOUL

June 27-29, 2007 aT Center, Seoul, Korea

HOSTED BY



Korea Green Building Council (KGBC), Seoul, Korea
<http://www.greenbuilding.or.kr/>



Sustainable Building Research Center Funded by MOST/KOSEF,
Hanyang University, Ansan, Korea, <http://sub.hanyang.ac.kr/>

ORGANIZED BY



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Korea Green Building Council (KGBC), Seoul, Korea
<http://www.greenbuilding.or.kr/>

CO-ORGANIZED BY



Center for Sustainable Housing (CSH)
<http://bet.yonsei.ac.kr/>



Sustainable Architecture Professional Education Center (SAPEC)
<http://cmic.hanyang.ac.kr/sapec>

SUPPORTED BY





Welcome to
SB07 SEOUL, KOREA
 21-25 June 2007 at center

INTRODUCTION

Recently, sustainability issues raised by the Kyoto Protocol on the climate change in 1997 is a international task, and especially environmental policy is very important in the building industry that emits 1/3 of entire CO₂ emission. It is important that the sustainable architecture should be maintained socially, economically and culturally, and the effort of sustainability should be needed in the life cycle of buildings from the planning stage to the demolition.

Korea Green Building Council (KGBC), founded in 2000, recognizes that the dissemination of green building is one of the most important duties in the building construction sector with the mission of making the earth sustainable by green buildings. SU Sustainable Building Research Center(SUSB), one of The Engineering Research Center (ERC) funded by Ministry of Science and Technology (MOST) Korea Science and Engineering Foundation (KOSEF), which a consortium of 7 universities, has also been established in 2005, and has been conducting researches regarding sustainable architecture. The two organizations have participated in SB05Tokyo held in Oct., 2005, had an in-depth discussion on the direction of sustainable architecture in Korea, and agreed to host SB07Seoul jointly, which will be held prior to SB08, Melbourne, Australia.

ORGANIZATION

Global Conference Board

- Andrea Moro (iisBE, President)
- Rodney Milford (CIB, President)
- Murakami, Shuzo (SB05Tokyo, Chair)
- Kevin Hydes (USGBC, President)
- Greg Fofiente (SB08Melbourne, Chair)
- Youguo, Qin (Mainland China, Tsing Hua Univ.)
- Lee, Myoung Ho (KGBC, Former President)
- Shon, Jang Yeul (KACA, Chair)
- Lee, Hyun Woo (KGBC, President)
- Shin, Sung Woo (SUSB, Director)

International Scientific Committee

- Yingxin Zhu (Mainland China, Tsing Hua Univ.)
- Edward Ng (HongKong, Chinese Univ.)
- Chye Kiang Heng (Singapore, NUS)
- Chao Ching Yu (Taiwan, Chung Yuan Christian Univ.)
- Toshiharu Ikaga (Japan, KEIO Univ.)
- Leigh, Seung Bok (Korea, Yonsei Univ.)
- Kim, Jae Jun (Korea, Hanyang Univ.)
- Yeo, Young Ho (Korea, Korea Univ.)
- Song, Kyoo Dong (Korea, Hanyang Univ.)
- Kim, Yong In (Korea, Now Consul Engineer co., Ltd.)
- Song, Seung Yeong (Korea, Ewha Womans Univ.)
- Choi, Chang Ho (Korea, Kwangwoon Univ.)
- Lee, Kyu In (Korea, Ajou Univ.)
- Cho, Young Sang (Korea, Hanyang Univ.)
- Song, Doo Sam (Korea, Sungkyunkwan Univ.)
- Lee, Han Seung (Korea, Hanyang Univ.)

Asian International Organizing Committee

- Stephen S. Y. Lau (Hongkong, UHK)
- Fardah Shafiq (Malaysia Univ.)
- Judy, Chin-Ying Huang (Taiwan, Archilife Research Foundation)
- Shin, Sung Woo (Korea, Hanyang Univ.)
- Lee, Hyun Woo (Korea, Kwangwoon Univ.)

Local Organizing Committee

- Shin, Sung Woo (SUSB, Hanyang Univ.)
- Lee, Hyun Woo (KGBC, Kwangwoon Univ.)
- Je, Hae Seong (Ajou Univ.)
- Kim, Young Shik (Incheon Univ.)
- Choi, Dong Ho (Daegu Catholic Univ.)
- Oh, Soo Ho (Korea National Housing Co.)
- Yeo, Myoung Souk (Seoul National Univ.)
- Park, Jin Chul (Chungang Univ.)
- Kim, Byung Seon (Yonsei Univ.)
- Lee, Seung Eon (KICT)
- Lee, Kang Hee (Andong National Univ.)
- Noh, Sam Young (Hanyang Univ.)
- Moon, Hyeon Jun (Dankook Univ.)
- Han, Dong Soo (Hanyang Univ.)
- Cha, Hee Sung (Ajou Univ.)
- Park, Ki Bong (Hanyang Univ.)
- Lee, Han Seung (Hanyang Univ.)
- Park, Jun Seok (Hanyang Univ.)
- Ahn, Jong Moon (Ahansan 1 Univ.)
- Han, Byum Seok (Hanyang Univ.)
- Kim, Tae Soo (Hanyang Univ.)

CALL FOR PAPERS

The conference scientific committee invites all contributions in accordance with the SB07 SEOUL general theme and topics. Paper should be innovative, challenging, and not published yet. They should reflect current knowledge and experience in all aspects of sustainable building.

Submission Procedure for Abstracts

Abstract of 150-250 words, in English, has to be submitted in MS Word to the conference Secretariat by 15 March 2007. Abstract should clearly state the purpose, results and conclusions of the work to be described in the final paper. All papers accepted by the international scientific committee and presented at the conference either orally or by poster will be published on the conference CD-ROM and in the conference proceeding. Please use preferably the electronic format abstract form available on the conference website <http://sb07seoul.org>.

Important dates

- Submission of Abstract : 15 March, 2007
- Acceptance Notification : 25 March, 2007
- Submission of Final Paper : 20 April, 2007
- Acceptance of Final Paper : 7 May, 2007

Conference Secretariats

Prof. Cho, Young-Sang
 Secretariats, SB07Seoul, Sustainable Building
 Research Center, Ansan Campus,
 Hanyang University, 1271 Sa 1-dong, Ansan-si,
 Kyungki-do, 426-791, Korea
 Tel. +82-31-400-5181 Fax. +82-31-400-5181
 E-mail : ycho@hanyang.ac.kr

CONFERENCE TOPICS

- The official language of the conference will be English.

WEB SITE <http://sb07seoul.org>



SB07 SEOUL Program

	June 26 (Tue)	June 27 (Wed)		June 28 (Thu)		June 29 (Fri)
AM 1		Open ceremony		Keynote 1, 2, 3		Technical Visit (2)
AM 2		Plenary Session 1, 2, 3, 4		Technical Session (7,8,9)		
Lunch		Lunch		Lunch		
PM 1	Student Session	Technical Session (1,2,3)	Poster Session	Poster Session	Technical Visit (1)	
PM 2	Registration	Technical Session (4,5,6)				
Dinner	Welcome Party	Banquet ¹⁾ Plenary Speaker 5		Closing Session Award Ceremony Keynote 4		

1) Banquet : USD 50 per a person, USD 80 a person with spouse

2) Technical Visit : T1(\$30 per a person), T2(\$30 per a person Lunch), T1+T2(\$50 per a person with Lunch)

CONFERENCE TOPICS

- T1 Sustainable Urban Design & Regeneration
- T2 Sustainable Policies, Systems, Codes
- T3 Energy Use and Climate
- T4 Building Environmental System
- T5 Living Environment
- T6 Assessment Tools (Environment Performance, CO2 and Amenity Evaluation, GBCC, CASBEE, GBTOOL, LEEDS, BREEAM etc.)
- T7 Sustainable Building Design
- T8 Sustainable Structural System
- T9 Sustainable Building Materials
- T10 Sustainable Construction Management
- T11 Facility Management of Sustainable Buildings
- T12 Sustainable System for High-rise Buildings
- T13 Sustainable Culture, Tradition and Heritage
- T14 Sustainable Building Education

SPOUSE PROGRAM

- 27 June PM 1-2, Insadong, Secret Garden
- \$30 per a person

Plenary Session

- **Speaker**
 - (1) Murakami, Shuzo (SB05Tokyo, Chair)
 - (2) Kevin Hydes (USGBC, President)
 - (3) Andrea Moro (President of nSBE)
 - (4) Park, Sang Dong (KGBC, Former President)
 - (5) Ryu, Chun Su (Beyond Space Group, Chair)

Keynote Speaker

- **Speaker**
 - (1) Yi Jiang (Tsinghua University)
 - (2) Lee, In Keun (Urban Planning Director of Seoul Metropolitan Government)
 - (3) Rhee Eon Gu (Vice President of AIK)
 - (4) Nils Larsson (Executive Director of nSBE)

EXHIBITION

- SB05 Tokyo
- SB Asian Region
- Major Construction Company (Korea, Japan, China)
- Sustainable Building Center or Institute

Technical Visit

- T-1 : *Cheonggyecheon as a place to learn about the ecosystem
*Namsan Korea Traditional Village (or World Cup Stadium)



Cheonggyecheon flows again through the heart of Seoul, the nation's 600-year old capital, for the new century.

- T-2 : Metropolitan Unification Center for Korea Water Resource Cooperation



- Best Sustainable Building in 2006
- <http://center.kwater.or.kr/>



ENQUIRY FORM

■ Conference Paper Submission Form

I wish to submit a paper to the SB07Seoul conference

Title : _____

Topics :

- T1 T2 T3 T4 T5 T6
 T7 T8 T9 T10 T11 T12
 T13 T14

Presentation : Oral Poster

Main author : _____

Co-author(s) : _____

■ Preliminary Registration Form

I am interested in attending the SB07Seoul conference (and wish to receive further details)

First name(s) : _____

Surname : _____

- Female Male
 Prof Dr Mrs Mr

Organization : _____

Division : _____

Address : _____

City : _____

Post code : _____

Country : _____

Phone : _____

Mobile : _____

Fax : _____

Website : _____

E-mail : _____

REGISTRATION FEES

Category	Fees per Person	
	By March 15, 2007	After March 15, 2007
Full Package	USD 250	USD 350
Student	USD 150	USD 200
Accompanying Person	USD 50	USD 50

LOCATION (SEOUL, KOREA)



- Area : 605.41km²
- Population : 10,276,000
- Housing : 2,342 thousand units (rate:96.2%)
- Automobile : 2,776 thousand units
- Water treatment Plant : 3,657 thousand tons per day
- Wastewater treatment Plant : 5,810 thousand tons per day
- Solid waste generation rate : 12,058 thousand tons per day (1.17kg per day)
- Social welfare facilities : 131 locations
- Educational institutions : 2,645 units (571 universities)
- Medical centers : 12,532 units (250 hospitals)
- Hotels : 1180(Arnie 34, 1st-3rd class 69, other 15)

Seoul is the capital city of the Republic of Korea. For a short period of time two thousand years ago, it was the capital of Baekje, one of the ancient kingdoms that occupied the Korean peninsula. Since 1394 when Seoul first became the capital of the Joseon Dynasty, it has remained the central city of Korea. With the establishment of an independent government in 1948, the city became the capital city of the Republic of Korea. On September 28, 1949, it earned the status of 'Special City'. It has grown rapidly since the explosive economic development of the late 1960s. Seoul is the center of the country in all respects - economically, politically, and culturally. Seoul is 605km² in area and has a population of more than 10 million. The area is 0.6% of the entire country and the population accounts for 23% of the total national population, meaning that Seoul has one of the highest population densities in the world, and all the attendant issues that accompany this fact.

CONGRESS VENUE (aT Center)



The SB07 SEoul conference takes place in the aT Center which is located southern part of Seoul
 Location: Yanjoe-dong, Secho-gu, Seoul
 Traveling Time from Incheon International Airport to aT Center is 80-90 minute by bus
<http://www.atcenter.co.kr>
 Tel.: +82-02-6360-1900



ACCOMMODATION

<http://www.ritzcarltonseoul.com/kr/> (Shuttle Bus)

- Hotel Ritz Carlton Seoul (at Center Partnership Hotel)



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