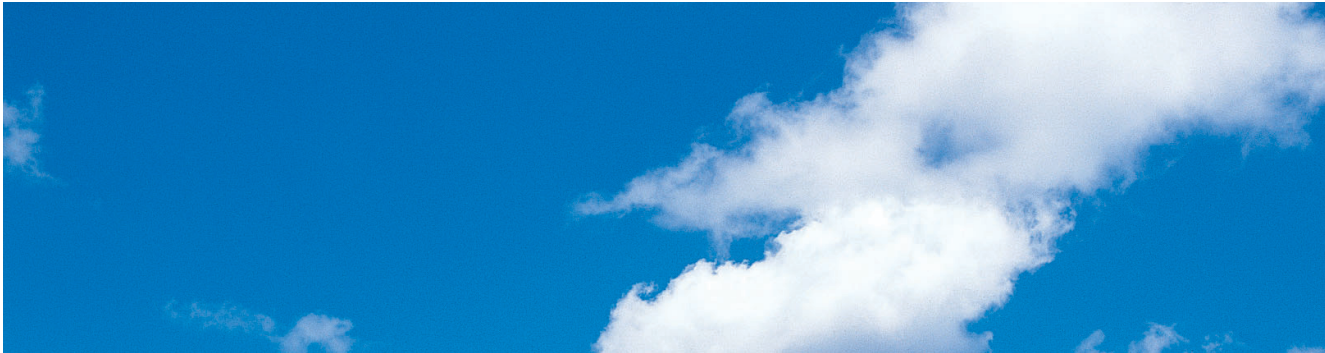


# 1st International Conference on Construction Engineering and Management

GLOBALIZATION AND COLLABORATION IN CONSTRUCTION



16~19 October, 2005
Lotte Hotel Jamsil
Seoul, Korea

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# INVITATION



**Chansik PARK**, Ph.D.  
President of KICEM  
Chair of ICCEM 2005

On behalf of the Korea Institute of Construction Engineering and Management (KICEM), I would like to welcome all of you to the First International Conference on Construction Engineering and Management (ICCEM 2005) which will be held from October 16 to 19, 2005.

In recent years, professionals, practitioners, and academics in the construction industry have been faced with significant challenges such as: globalizations, revolutionary IT technologies, development of new materials and construction techniques, and rapidly changing market environments. The world around us is evolving so fast that it is very important for us to keep updated with advanced technology. I am confident that the ICCEM will bring together researchers, engineers and practitioners to present the latest accomplishments, innovations and potential future directions in construction engineering and management.

The theme of this conference is “Globalization and Collaboration in Construction” and we have prepared an intellectually stimulating scientific program consistent with that theme. I am pleased to inform you that four of the most renowned experts in the field of construction engineering and management will deliver keynote speeches during the conference, which will give a distinctive opportunity for participants to receive the most recent information and knowledge.

Two special lectures and many of case presentations corresponding to the main theme will be addressed, and more than 150 papers from 18 countries will be presented in 4 sessions. In addition, a technical tour of the Chunggyechun (Chunggye Stream) Restoration Project and diverse social programs are prepared during the conference.

Once again, the Organizing Committee of the First ICCEM expresses sincere appreciation for your participation. We hope that all the participants will benefit not only from the sharing of extended knowledge and advanced technologies, but also from the fellowship built with other participants during the conference.

**Chansik PARK**, Ph.D.  
President of KICEM  
Chair of ICCEM 2005



The Korea Institute of Construction Engineering and Management (KICEM), founded in 1999, is a leading organization representing the academic and industrial communities of construction engineering and management in Korea.

KICEM currently has more than 2,500 members including professors, students, researchers, professional engineers and government officials. Over 50 major Korean construction and engineering companies are also involved in this organization as member companies as well.

The main goals of KICEM are two fold: first, developing and spreading a systematic knowledge base for construction engineering and management; second, leading and promoting related R&D programs in collaboration with academia, research institutes, and industry. KICEM is achieving these goals through various conferences, seminars, education and training programs, and R&D activities.

Now KICEM would like to present a new vision for the development of the construction engineering and management sector. As this area has become one of the core technologies in the world construction market, we would like to share and spread relevant information and knowledge by forming an international network through this conference

## ORGANIZATION

### ORGANIZED BY

Korea Institute of Construction Engineering and Management (KICEM)

#### EXECUTIVE COMMITTEE

Chairman	Chansik Park	ChungAng University
Co Vice-Chairs	Bok-Nam Lee	Construction & Economy Research Institute of Korea
	Chang-Duk Kim	KwangWoon University
	Jong-Hoon Kim	Hanmiparsons Inc
Members	Chan-Sik Lee	InCheon University
	Jae-Youl Chun	DanKook University
	Kyung-Rai Kim	Ajou University
	Seung-Hun Han	YonSei University
	Yea-Sang Kim	SungKyunKwan University
	Han-Soo Kim	SeJong University
	Kyong-Ju Kim	ChungAng University
	Sang-Yeek Do	itm Corporation
	Sun-Kuk Kim	KyungHee University

#### PROGRAM COMMITTEE

Chairman	Yea-Sang Kim	SungKyunKwan University
Vice-Chair	Young-Soo Jung	MyongJi University
	Young-Suk Kim	InHa University
Members	Byoung-Kwan Song	Construction & Economy Research Institute of Korea
	Hyeong-Geun Park	Korea Institute of Construction Technology
	Jae-Jun Kim	HanYang University
	Jin-Ho Kim	Tongmyong University of Information Technology
	June-Seong Yi	Ewha Womans University
	Sang-Bum Kim	DongGuk University
	Sang-Yoon Chin	SungKyunKwan University
	Soon-Wook Kwon	Korea Institute of Construction Technology
	Woo-Young Kim	Construction & Economy Research Institute of Korea
	Hee-Sung Park	HanBat National University
	Hyoung-Seung Jang	Construction & Economy Research Institute of Korea
	Jae-Youl Chun	DanKook University
	Jong-Soo Choi	DongGuk University
	Myung-Jin Chae	Korea Institute of Construction Technology, Korea
	Sang-Youb Lee	KonKuk University
	Seok-In Choi	Construction & Economy Research Institute of Korea
	Sung-Kwon Woo	InHa University

## 1st International Conference on Construction Engineering and Management

# ICCEM

#### FINANCIAL COMMITTEE

Co-Chairs	Chan-Sik Lee	InCheon University
	Chun-Jae Youl	DanKook University
Members	Hyun-Soo Lee	Seoul National University
	Kyung-In Kang	Korea University
	Tai-Sik Lee	HanYang University
	Dong-Woo Shin	Ajou University
	Hak-Ki Lee	DongA University
	Tae-Keun Park	MokWon University
	Jong-Hoon Kim	HanmiParsons
	Yea-Sang Kim	SungKyunKwan University
	Chang-Duk Kim	KwangWoon University
	Bok-Nam Lee	Construction & Economy Research Institute of Korea
	Sun-Kuk Kim	KyungHee University
	Yoon-Ki Choi	SoongSil University
	Jae-Jun Kim	HanYang University
	Jong-Ho Ock	Seoul National University of Technology
	Seon-Gyoo Kim	KangWon University
	Kyo-Jin Koo	The University of Seoul

INTERNATIONAL PROGRAM COMMITTEE

Iritshad U. Ahmad	Florida International University, U.S.A
Erling S. Andersen	BI Norwegian School of Management, Norway
Masao Ando	Chiba University, Japan
Hee Sung Cha	Ajou University, Korea
Sounggho Chae	Waseda University, Japan
Charles, Yuen Jen Cheah	Nanyang Technological University, Singapore
Moon Young Cho	Korea Institute of Construction Technology, Korea
Dongping Fang	Tsinghua University, Beijing, China
Shuzo Furusaka	Kyoto University, Japan
G. Edward Gibson	The University of Texas at Austin, U.S.A
Ting-ya Hsieh	National Central University, Taiwan
Julian H. Kang	Texas A&M University, U.S.A
Naruo Kano	Waseda University, Japan
Jinu Kim	University of New South Wales, Australia
Yong Soo Kim	ChungAng University, Korea
Sun-Kuk Kim	KyungHee University, Korea
Yong Woo Kim	State University of New York, U.S.A
Kyo Jin Koo	University of Seoul, Korea
Chan Swee Lean	National University of Singapore, Singapore
Jun Bok Lee	Honglk University, Korea
Fwu-Shiun Liou	Chung Hua University, Taiwan
George Ofori	National University of Singapore, Singapore
Moon Seo Park	Seoul National University, Korea
Low Sui Pheng	National University of Singapore, Singapore
Boong-yeol Ryoo	Florida International University, U.S.A
David Chew Ah Seng	Nanyang Technological University, Singapore
Miroslaw J. Skibniewski	Purdue University, U.S.A
Lucio Soibelman	Carnegie Mellon University, U.S.A
Rodney Stewart	Griffith University, Australia
Beom-Yong Sung	Takenaka Europe, Germany
Seng Kiong Ting	Nanyang Technological University, Singapore
Koshy Varghese	Indian Institute of Technology, Madras, India
Ming-Teh Wang	Taiwan Construction Research Institute, Taiwan
Shou Qing Wang	Tsinghua University, Beijing, China
I-Tung Yang	Tam Kang University, Taiwan

CONFERENCE INFORMATION

PERIOD	October 16 (Sun) ~ October 19 (Wed), 2005
VENUE	Lotte Hotel Jamsil, Seoul Address: 40-1, Jamsil-dong, Songpa-gu, Seoul 138-220, Korea Tel: +82 2 419 7000    Fax: +82 2 417 3655    Web-Site: <a href="http://www.hotellotte.co.kr">http://www.hotellotte.co.kr</a>
CONFERENCE THEME	Globalization and Collaboration in Construction

OFFICIAL LANGUAGE

The official language of the conference is English and all presentations and printed materials are in English.

SECRETARIAT ROOM

The ICCEM Secretariat Room will be operated at Jade Room on the 3rd floor of the venue during the conference. For any help and request during the conference, please come to the Secretariat Room.

PREVIEW ROOM

Preview Room will be located at Jade Room on the 3rd floor of the venue. All speakers need to stop by this room at least 4 hours before their presentation to preview their presentation materials and to hand in the file to the staff.

INTERNET LOUNGE

All the registered participants may use internet at the lobby on the 3rd floor for free.

MESSAGE BOARD

The Secretariat of the ICCEM will put up notice for any change in the programs and messages for each event on this board. Participants can leave messages for their friends or colleagues on it.

COFFEE BREAK

Coffee and tea will be served twice a day during the following time at the lobby on the 3rd floor

October 17 (Mon) > 10:40 ~ 11:00 / 15:00 ~ 15:20

October 18 (Tue) > 10:20 ~ 10: 40 / 15:00 ~ 15:20

LUNCH

Lunch will be served October 17 (Mon) and 18 (Tue) at Sapphire (B1) to the registered participants.



# REGISTRATION

## ON-SITE REGISTRATION

Registration desk will be located at the lobby on the 3rd floor from October 16 (Sun) to 18 (Tue). It is recommended that all participants stop by the registration desk upon their arrival at the venue to take the conference materials. Our staff will be pleased to help with all the participants' inquiries.

## REGISTRATION DESK

Date / Time	October 16 (Sun): 16:00 ~ 18:00 October 17 (Mon) ~ 18 (Tue): 08:00 ~ 17:00
Venue	Lobby on the 3rd floor

## REGISTRATION FEE

Categories	Registration Fee
Participant	KRW 350,000
Student	KRW 100,000
Accompanying Person	KRW 100,000

## ENTITLEMENTS

### 1. Registration fee for Delegate includes :

Participation in the scientific program, opening ceremony, closing ceremony, welcome reception, banquet, luncheon, coffee breaks, and conference kit.

### 2. Registration fee for Student includes :

Participation in the scientific program, opening ceremony, closing ceremony, luncheon, coffee breaks, and conference kit.

### 3. Registration fee for Accompanying Person includes :

Participation in opening ceremony, closing ceremony, welcome reception, banquet, luncheon, coffee breaks, and name badge.

# HOTEL ACCOMMODATIONS

## HOTEL LIST & RATE

Name of Hotel	Grade	Room Type	Rate	Distance
Lotte Hotel, Jamsil	Super Deluxe	Double / Twin	KRW 200,000	Venue
Lake Hotel	First	Double / Twin	KRW 95,000	7 min. on foot

[Note] A 10% service charge and a 10% VAT will be added on the room rate. Breakfast is not included.

## HOTEL INFORMATION



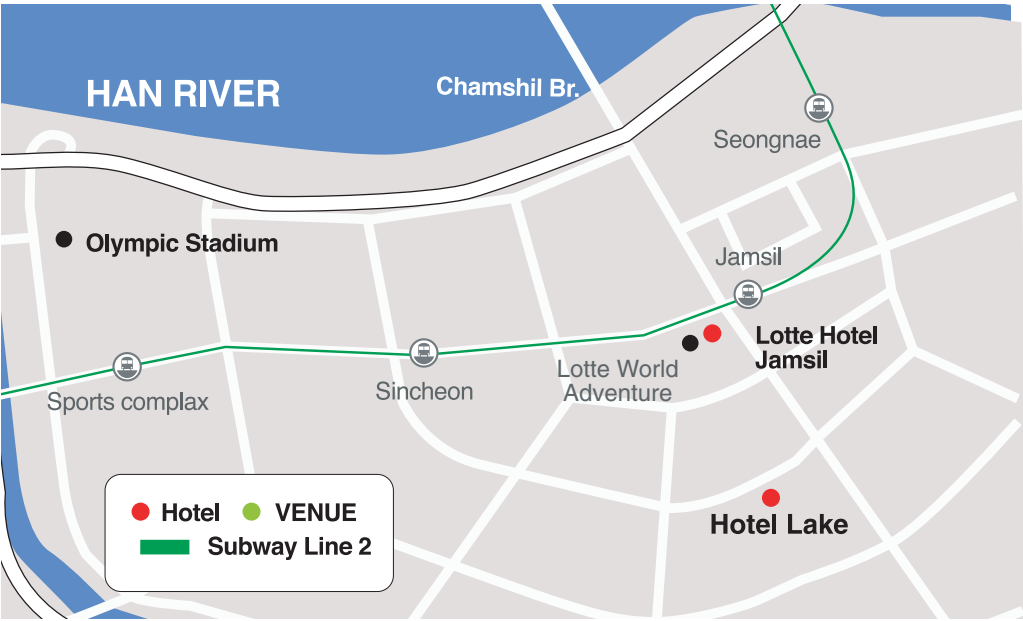
### Lotte Hotel Jamsil, Seoul

Address: 40-1, Jamsil-dong, Songpa-gu, Seoul 138-220, Korea  
Tel: +82 2 419 7000  
Fax: +82 2 417 3655  
Website: <http://www.hotellotte.co.kr>

### Hotel Lake

Address: 158, Seokchon-dong, Songpa-gu, Seoul 138-844, Korea  
Tel: +82 2 422 1001  
Fax: +82 2 419 0041  
Website: <http://www.hotellake.com>

## MAP



PROGRAM-AT-A-GLANCE

	Oct. 16 (Sun)	Oct. 17 (Mon)	Oct. 18 (Tue)	Oct. 19 (Wed)
08:00		Registration	Registration	
09:00			Keynote Speech 3	
10:00		Opening Ceremony	Keynote Speech 4	
		Keynote Speech 1	Coffee Break	
11:00		Coffee Break	Special Lecture 2	
		Keynote Speech 2	IC 2	
12:00				
		Lunch Sapphire RM	Lunch Sapphire RM	
13:00				
14:00		Special Lecture 1	* IC 1	
			Session 1	
		** KC 1,2	IC 3	
			KC 6, 7	
15:00		Coffee Break	Coffee Break	
16:00		KC 3, 4, 5	Session 2	
			KC 8, 9, 10	
17:00			Session 4	
18:00				
19:00			Closing Ceremony & Banquet	
20:00				
	Registration			
	Welcome Reception			

\* IC - Lessons Learned from International Cases  
\*\* KC - Lessons Learned from Korean Cases  
Poster exhibition will be held at the lobby on the 3rd floor of Lotte Hotel, Jamsil.

PROGRAM OVERVIEW

October 17 Monday

Time / Room	Crystal 1	Crystal 2	Crystal 3	Emerald	Ruby	Topaz
08:00 ~ 09:30	Registration (Lobby, 3F)					
09:30 ~ 10:00		Opening Ceremony				
10:00 ~ 10:40		Keynote Speech 1				
10:40 ~ 11:00	Coffee Break (Lobby, 3F)					
11:00 ~ 11:40		Keynote Speech 2				
11:40 ~ 13:30	Lunch (Sapphire Room, B1)					
13:30 ~ 15:00	Special Lecture 1	* IC - 1 ** KC -1, 2	Session 1 - A	Session 1 - B	Session 1 - C	Session 1 - D
15:00 ~ 15:20	Coffee Break (Lobby, 3F)					
15:20 ~ 17:05	Session 2 - A	KC - 3, 4, 5	Session 2 - B	Session 2 - C	Session 2 - D	Session 2 - E

October 18 Tuesday

Time / Room	Crystal 1	Crystal 2	Crystal 3	Emerald	Ruby	Topaz
08:00 ~ 09:00	Registration (Lobby, 3F)					
09:00 ~ 09:40		Keynote Speech 3				
09:40 ~ 10: 20		Keynote Speech 4				
10:20 ~ 10:40	Coffee Break (Lobby, 3F)					
10:40 ~ 11:30		Special Lecture 2				
11:30 ~ 12:00		IC -2				
12:00 ~ 13:30	Lunch (Sapphire Room, B1)					
13:30 ~ 15:00	Session 3 - A	IC -3 KC -6, 7	Session 3 - B	Session 3 - C	Session 3 - D	Session 3 - E
15:00 ~ 15:20	Coffee Break (Lobby, 3F)					
15:20 ~ 17:20		KC - 8, 9, 10	Session 4 - A	Session 4 - B	Session 4 - C	Session 4 - D

\* IC - Lessons Learned from International Cases  
\*\* KC - Lessons Learned from Korean Cases

INVITED SPEAKERS

KEYNOTE SPEACH



G. Edward GIBSON  
U.S.A., Professor,  
The University of Texas at Austin  
Trends of Future Global Construction Market



Albert P.C. CHAN  
Hong Kong, Professor,  
The Hong Kong Polytechnic University  
Public Private Partnerships (PPP) : A Collaborative Model to Procure Public Services and Infrastructures



Beom-Yong SUNG  
Japan, Vice President,  
Takenaka Europe GmbH  
The Status of European Construction Industry and Market Inroads Strategies of Foreign Construction Companies



Terry O'BRIEN  
U.S.A., Sr. Vice President,  
Parsons Corporation  
Using the Internet to Manage Multi-Site, International Construction Projects

SPECIAL LECTURE



G. Edward GIBSON  
U.S.A., Professor,  
The University of Texas at Austin  
Effective Risk Assessment on International Projects: Can it be done?



Naruo KANO  
Japan, Professor,  
Waseda University  
New Construction Management Tools : 3D-CAD, Virtual Reality, RFID Technologies at Construction Sites

LESSONS LEARNED FROM CASES

INTERNATIONAL CASES



Yong I. LEE  
U.S.A., Senior Scheduler / Claims Analyst, Summit Associates  
Schedule Delay Claims and Analysis



Yusuke YAMAZAKI  
Japan, General Manager,  
Shimizu Corporation  
Management of Innovative Technologies in Large-scale Construction Projects



Tetsuya SEKIYA  
Japan, President,  
Takenaka Europe GmbH  
Innovation in General Contractor through Project Management

KOREAN CASES

Daewoo Engineering & Construction	Busan-Geoje Fixed Link Project	Hyung-Keun PARK	Oct. 17 (Mon), 14:00 ~ 14:30
Dongbu Corporation	National Museum of Korea	Chang Ki PARK	Oct. 17 (Mon), 14:30 ~ 15:00
Doosan Industrial Development Company	Spalling Protection Technique of High Performance Concrete Structure - In the Case of Poseidon Project in Busan	Bo Hyeong LEE	Oct. 17 (Mon), 15:20 ~ 15:50
Hyundai Engineering & Construction Co., Ltd.	Chunggyecheon Restoration Project	Young Nam LEE	Oct. 17 (Mon), 15:50 ~ 16:20
SK Engineering & Construction	SK T-Tower Project	Heog Soo KWON	Oct. 17 (Mon), 16:20 ~ 16:50
HanmiParsons	Program Management in Korea	Craig HOLLAND	Oct. 18 (Tue), 14:00 ~ 14:30
Daelim Industrial Co., Ltd.	Construction Management in Karun Dam, Iran (Main Civil Works-Dam & Spillways)	Hak-Doo KIM	Oct. 18 (Tue), 14:30 ~ 15:00
Samsung Corporation	Welcome to the Burj Dubai Tower	Yung Woo KO	Oct. 18 (Tue), 15:20 ~ 15:50
POSCO Engineering. & Construction Co., Ltd	Introduction of CM Service for New Songdo City Development Project	Kwang-Jae LEE	Oct. 18 (Tue), 15:50 ~ 16:20
Shin Young Co., Ltd.	Somerset Palace Seoul Managed and Operated by Ascott Group	Sun Uk WANG	Oct. 18 (Tue), 16:20 ~ 16:50

# ORAL PRESENTATION

October  
17 Monday

## SESSION 1-A

13:30 ~ 15:00  
Crystal Ballroom 3

### Project Management

Chairperson : Terry O'BRIEN, Parsons Corporation, U.S.A.

- |       |   |
|-------|---|
| S1-A1 | <b>MIXED-USE PROJECT DEVELOPMENT PROCESS: FEATURES, PITFALLS AND COMPARISONS WITH SINGLE-USE PROJECTS</b><br>Charles Y. J. CHEAH (SINGAPORE)          |
| S1-A2 | <b>A MODEL OF RISK MANAGEMENT PLAN AND SYSTEM FOR THE CONSTRUCTION PHASE</b><br>Seon-Gyoo KIM (KOREA)   |
| S1-A3 | <b>PERFORMANCE EVALUATION FOR CONSTRUCTION VALUE ENGINEERING STUDY</b><br>Po-Yi CHANG (TAIWAN)  |
| S1-A4 | <b>PPI (PRIVATE PARTICIPATION IN INFRASTRUCTURE) STATUS OF SOC (SOCIAL OVER-HEAD CAPITALS) AND ITS IMPROVEMENT IN KOREA</b><br>Sugk-Yong YOON (KOREA) |
| S1-A5 | <b>MEASURING AND COMPARING PROFIT PATTERNS OF TRADITIONAL CONSTRUCTION COMPANIES EXTENDING TO HIGH-TECH CONSTRUCTION</b><br>Jieh-Haur CHEN (TAIWAN)   |
| S1-A6 | <b>NEW INTELLIGENT APPROACH FOR PROJECT MANAGEMENT IN CONSTRUCTION INDUSTRY</b><br>Aparna DITTAKAVI (INDIA)   |

## SESSION 1-B

13:30 ~ 15:00  
Emerald

### Project Management

Chairperson : Masao ANDO, Chiba University, JAPAN

- |       |  |
|-------|--|
| S1-B1 | <b>A STUDY OF STRUCTURING OF NEW MANAGEMENT SYSTEM FOR LOCAL GOVERNMENTS IN JAPAN</b><br>Takashi GOSO (JAPAN)                        |
| S1-B2 | <b>MANAGEMENT THINKING BEHIND PERFORMANCE MEASURES</b><br>Yong-Woo KIM (U.S.A)   |
| S1-B3 | <b>A STUDY ON THE OPTIMAZATION OF CONSTRUCTION MANAGEMENT BY USING A DESIGN STRUCTURE MATRIX</b><br>Nobuyuki SUZUKI (JAPAN)          |
| S1-B4 | <b>FUTURE STRATEGY FOR KOREAN FIRMS INVOLVED IN OVERSEAS MARKETS</b><br>Rack-Keun JEON (KOREA)                                       |
| S1-B5 | <b>A PCM PERFORMANCE EVALUATION SYSTEM FOR DESIGN/BUILD PROJECTS</b><br>Wen-Der YU (TAIWAN)  |
| S1-B6 | <b>KEY BARRIERS AND THEIR STRATEGIC RESPONSES TO ACTIVATE KNOWLEDGE SHARING IN CONSTRUCTION ORGANIZATIONS</b><br>Tae-Wan KIM (KOREA) |

## SESSION 1-C

13:30 ~ 15:00  
Ruby

### Legal Systems for Construction

Chairperson : Ming-Teh WANG, Taiwan Construction Research Institute, TAIWAN

- |       |   |
|-------|---|
| S1-C1 | <b>RELEVANT CODES AND REGULATIONS: EFFECTS ON THE DESIGN OF INDUSTRIAL CONSTRUCTION</b><br>Ahmed ABDALLAH (CANADA)  |
| S1-C2 | <b>CRITICAL DRIVING FORCE FOR CONTRACTOR'S OPPORTUNISTIC BIDDING BEHAVIOR IN PUBLIC WORKS</b><br>Min-Ren YAN (TAIWAN)   |
| S1-C3 | <b>IMPROVEMENT OF WASTE ADMINISTRATION BY NEW PUBLIC MANAGEMENT</b><br>Kotomi UEMOTO (JAPAN)  |
| S1-C4 | <b>INTERPRETATION OF THE RELEVANT CONSTRUCTION CODES AND REGULATIONS, AND THEIR IMPLEMENTATION ON AN ERGONOMICAL AND SAFE WORK ENVIRONMENT</b><br>Ahmed ABDALLAH (CANADA) |
| S1-C5 | <b>THE EFFICIENT ESTIMATE OF ENVIRONMENTAL MANAGEMENT COSTS IN THE CONSTRUCTION SITES</b><br>Hyuk MOON (KOREA)  |
| S1-C6 | <b>MITIGATION AND REMISSION OF CONTRACTOR'S DEFECTS LIABILITY IN KOREAN CONSTRUCTION CONTRACT</b><br>Jonggwang LEE (KOREA)  |

## SESSION 1-D

13:30 ~ 15:00  
Topaz

### International and Global Issues in Construction Project Management

Chairperson : Seng Kiong TING, Nanyang Technological University, SINGAPORE

- |       |  |
|-------|--|
| S1-D1 | <b>INTERNATIONAL COMPARATIVE STUDY ON 'KOUJI-KANRI (CONSTRUCTION SUPERVISOR' AS CONSTRUCTION CONFORMATION</b><br>Takashi SAITO (JAPAN) |
| S1-D2 | <b>RISK MANAGEMENT OF EXCHANGE RATES IN INTERNATIONAL CONSTRUCTION</b><br>Yong Han AHN (U.S.A)   |
| S1-D3 | <b>THE FUNDAMENTAL PRINCIPLES OF BOT CONTRACT DESIGN</b><br>Eva C. W. SUNG (TAIWAN)  |
| S1-D4 | <b>QUANTITATIVE ANALYSIS OF THE EFFECT OF INFORMATIZATION ON THE PERFORMANCE OF CONSTRUCTION COMPANIES</b><br>Kyungrai KIM (KOREA)     |
| S1-D5 | <b>THE NATURE OF SAFETY CULTURE: A SURVEY OF THE STATE-OF-THE-ART AND PROMOTING A POSITIVE SAFETY CULTURE</b><br>Dongping FANG (CHINA) |
| S1-D6 | <b>EMPIRICAL INVESTIGATION OF MANAGERS' PREFERENCES FOR CONSTRUCTION SAFETY PRACTICES IN PAKISTAN</b><br>Tauha Hussain ALI (AUSTRALIA) |



SESSION 2-A

15:20 ~ 17:05  
Crystal Ballroom 1

Information Technology in Construction  
/ Automation and Robotics in Construction  
Chairperson : Julian KANG, Texas A & M University, U.S.A.

- S2-A1

A MONITORING METHOD OF PROJECT PROGRESS WITH RFID TECHNOLOGY  
Sounggho CHAE (JAPAN)
- S2-A2

SYSTEM ARCHITECTURE FOR INTEGRATION OF CONSTRUCTION E-BUSINESS SOLUTIONS:A  
MODEL FOR ENTERPRISE RESOURCE PLANNING AND PROJECT MANAGEMENT SYSTEM  
Boong-Yeol RYOO (U.S.A)
- S2-A3

AUTOMATED INTEGRATION OF CONSTRUCTION IMAGES IN MODEL BASED SYSTEMS  
Lucio SOIBELMAN (U.S.A)
- S2-A4

WEB FRONT-END COMPUTING RELATIONAL DATABASE SYSTEM FOR ITEM-LEVEL  
PRELIMINARY HIGHWAY COST ESTIMATES  
Jui-Sheng CHOU (TAIWAN)
- S2-A5

USING MD CAD OBJECTS TO INTEGRATE INFORMATION FOR CONSTRUCTION PROJECTS  
Yi-Jao CHEN (TAIWAN)
- S2-A6

THE DEVELOPMENT OF A CURTAIN WALL INSTALLATION ROBOT THROUGH THE  
ANALYSIS OF EXISTING CONSTRUCTION PROCESSES  
Jong-Ho CHOE (KOREA)
- S2-A7

ROBOTICS AND AUTOMATION IN CONSTRUCTION INDUSTRY  
Reddy GUDIMETLA (INDIA)

SESSION 2-B

15:20 ~ 17:05  
Crystal Ballroom 3

Information Technology in Construction  
/ Automation and Robotics in Construction  
Chairperson : Yusuke YAMAZAKI, Shimizu Corporation, JAPAN

- S2-B1

AN ARTIFICIAL NEURAL NETWORK MODEL FOR THE CONDITION RATING OF BRIDGES  
Jae Ho LEE (AUSTRALIA)
- S2-B2

REAL-TIME 3D MODELING FOR ACCELERATED AND SAFER CONSTRUCTION USING  
EMERGING TECHNOLOGY  
Changwan KIM (KOREA)
- S2-B3

IMPLEMENTING WEB-BASED COLLABORATION PLATFORMS IN CONSTRUCTION:  
EVALUATING THE LANE COVE TUNNEL (LCT) EXPERIENCE  
Rodney STEWART (AUSTRALIA)
- S2-B4

THE INVESTIGATION OF PROPERTY MANAGEMENT AND DEVELOPMENT OF ‘BUILDING  
ADMINISTRATION SYSTEM’  
Yan-Chyuan SHIAU (TAIWAN)
- S2-B5

DEVELOPMENT OF A RESOURCE LEVELING MODEL USING OPTIMIZATION  
Jin-Lee KIM (U.S.A)

- S2-B6

BETTER INPUTS FOR KNOWLEDGE MANAGEMENT INFORMATION SYSTEMS: KNOWL-  
EDGE SHARING MODELING AND THE INCENTIVES SYSTEM DESIGN  
S. Ping HO (TAIWAN)
- S2-B7

CONSTRUCTION BUSINESS PROCESS AUTOMATION USING WORKFLOW TECHNOLOGY  
Dong-Eun LEE (U.S.A)

SESSION 2-C

15:20 ~ 17:05  
Emerald

Design and Engineering Management  
Chairperson : Charles, Yuen Jen CHEAH, Nanyang Technological University, SINGAPORE

- S2-C1

DESIGN GUIDELINE FOR BIOSAFETY LABORATORY CONSTRUCTION  
Tzu-Ping LO (TAIWAN)
- S2-C2

SUSTAINABLE DESIGN AUTOMATION AND MANAGEMENT USING XML  
Julian KANG (KOREA)
- S2-C3

RESEARCH ON LOAD-BEARING PROPERTY AND DESIGN OF CABLE DOMES  
Zi ZHU (CHINA)
- S2-C4

MANAGERIAL AND ECONOMIC OPTIMIZATIONS FOR PREFABRICATED BUILDING SYSTEMS  
Ahmed ABDALLAH (CANADA)
- S2-C5

LANDSCAPE PREFERENCE EVALUATION TO THE BREAKWATERS OF FISHING HAR-  
BORS IN TAIWAN  
Yi-Juin KUAN (TAIWAN)
- S2-C6

SEOUL TOLL PLAZA VALUE ENGINEERING STUDY CONSIDERING PERFORMANCE MEA-  
SUREMENT AND LIFE-CYCLE COSTS  
Jong-Kwon LIM (KOREA)
- S2-C7

INTERGRATION OF CONSTRUCTION TECHNIQUES FOR SPECIAL ISOLATION WARDS OF  
HOSPITAL BUILDINGS  
Chi-Su TAI (TAIWAN)

SESSION 2-D

15:20 ~ 17:05  
Ruby

Construction Productivity Improvement  
Chairperson : I-Tung YANG, Tam Kang Univerisy, TAIWAN

- S2-D1

MULTIFACTOR MODELLING IN CONSTRUCTION MANAGEMENT  
Leszek JANUSZ (POLAND)
- S2-D2

SCHEMATIC APPROACH TO IMPROVE TIME PERFORMANCE OF HIGHWAY CONSTRUC-  
TION CONTRACTS  
Jae-Ho PYEON (U.S.A)

S2-D3	<b>USING GIS TO IMPROVE ROADWAY CONSTRUCTION PLANNING</b> Sanghyeok KANG (KOREA)
S2-D4	<b>A STUDY ON APPLICATION OF CONSTRUCTION MANAGEMENT(CM) TO HOUSING RECONSTRUCTION/RENEWAL PROJECT IN KOREA</b> Chang Gyo KIM (KOREA)
S2-D5	<b>CONSTRUCTION MANAGEMENT OF TUNNELING IN SEVERE GROUNDWATER CONDITION</b> Young Nam LEE (KOREA)
S2-D6	<b>APPLICATION OF MULTIVARIATE DISCRIMINANT ANALYSIS FOR CLASSIFYING PROFICIENCY OF EQUIPMENT OPERATORS</b> Ruth CABAUG (PHILIPPINES)
S2-D7	<b>APPLICATION OF AHP IN IDENTIFYING CONSTRUCTION PRODUCTIVITY FACTOR</b> Ishwar ADHIKARI (NEPAL)

SESSION 2-E

15:20 ~ 16:50

Topaz

<b>Claim and Dispute Resolution</b> Chairperson : Yong I. LEE, Summit Associates, U.S.A.	
S2-E1	<b>CONSTRUCTION MANAGEMENT KNOWLEDGE IN PREPARING AND RESOLVING CONSTRUCTION CLAIMS</b> Ting-ya HSIEH (TAIWAN)
S2-E2	<b>ANALYSIS OF THE TRENDS OF ADJUDICATION IN NEW SOUTH WALES</b> Michael BRAND (AUSTRALIA)
S2-E3	<b>CASE STUDY: CONSTRUCTION LITIGATION FOR THE U.S. NAVAL FACILITIES ENGINEERING COMMAND, 1995-2004</b> G. Edward GIBSON (U.S.A)
S2-E4	<b>RESEARCH OF THE BEST TIMING FOR GOVERNMENT'S TERMINATION OF FREEWAY REPAIR WORK CONTRACT</b> Jin-Fang SHR (TAIWAN)
S2-E5	<b>A STUDY OF SHOULDERING OF COMPENSATORY LIABILITY FOR DELAYED CONSTRUCTION PERIODS FOLLOWING BAD WEATHER CONDITIONS</b> Taesang JEONG (KOREA)
S2-E6	<b>TEN MANAGEMENT STRATEGIES TO AVOID CONSTRUCTION CONFLICTS</b> Nirmal Kumar ACHARYA (KOREA)

<div>October 18</div> <div>Tuesday</div> <div>SESSION 3-A</div> <div>13:30 ~ 15:00</div> <div>Crystal Ballroom 1</div>	<div>Project Management</div> <div>Chairperson : Boong-Yeol RYOO, Florida International University, U.S.A.</div> <div>S3-A1</div> <div><b>MODELLING THE CONTRIBUTION OF KNOWLEDGE MANAGEMENT TOWARDS ACHIEVING ORGANISATIONAL BUSINESS OBJECTIVES</b></div> <div>Le CHEN (AUSTRALIA)</div> <div>S3-A2</div> <div><b>COMPARISON OF THREE PCM PERFORMANCE EVALUATION SYSTEMS IN TAIWAN</b></div> <div>Wen-Der YU (TAIWAN)</div> <div>S3-A3</div> <div><b>MANAGEMENT OF DIGITAL DESIGN DATA IN BUILDING DESIGN AND CONSTRUCTION UNITS</b></div> <div>Linas GABRIELAITIS (LITHUANIA)</div> <div>S3-A4</div> <div><b>PROBLEMS AND SOLUTION OF IDENTIFICATION AND APPROVAL OF PRIVATELY FINANCED INFRASTRUCTURE PROJECTS IN CHINA</b></div> <div>Xiangrong DU (JAPAN)</div> <div>S3-A5</div> <div><b>THE SUCCESS FACTORS OF PARTNERING IN THE SOUTH KOREA PM&amp;CM MARKET</b></div> <div>Hyoun-Seung JANG (KOREA)</div> <div>S3-A6</div> <div><b>A PROACTIVE APPROACH FOR RESOURCE CONSTRAINED SCHEDULING OF MULTIPLE PROJECTS</b></div> <div>Kanagasabapathi BALASUBRAMANIAN (INDIA)</div>
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SESSION 3-B

13:30 ~ 15:00

Crystal Ballroom 3

<b>Project Management</b> Chairperson : Lucio SOIBELMAN, Carnegie Mellon University, U.S.A.	
S3-B1	<b>QUANTITATIVE ANALYSIS OF THE RISK MANAGEMENT FOR A SUPPER-HIGHRISE RESIDENCE</b> Shuzo FURUSAKA (JAPAN)
S3-B2	<b>IMPACT OF TECHNOLOGY UTILIZATION ON PROJECT OWNER SATISFACTION</b> Li-Ren YANG (TAIWAN)
S3-B3	<b>CONSTRUCTION DELAY IN INTERNATIONAL PROJECTS: WITH SPECIAL REFERENCE TO GULF AREA CAUSES, DAMAGE ASSESSMENTS AND ENTITLEMENTS</b> Nabil KARTAM (KUWAIT)
S3-B4	<b>THE RESEARCH OF CONSTRUCTION PROJECT MATERIALS REQUIREMENT SYSTEM</b> Nai-hsin PAN (TAIWAN)
S3-B5	<b>MODEL FOR ORGANIZATIONAL STRATEGY IN INTERNATIONAL CONSTRUCTION JOINT VENTURES: ORGANIZATIONAL ECONOMICS PERSPECTIVE</b> Yi-Hsin LIN (TAIWAN)
S3-B6	<b>A PLANNING MODEL FOR APARTMENT DEVELOPMENT PROJECT REFLECTING CLIENT REQUIREMENTS</b> Ye-Keun OH (KOREA)

SESSION 3-C

13:30 ~ 15:00  
Emerald

Cost, Schedule and Quality Control

Chairperson : Dongping FANG, Tsinghua University, CHINA

S3-C1	<b>OVERALL BENEFIT-DURATION OPTIMIZATION (OBDO) FOR OWNERS IN LARGE-SCALE CONSTRUCTION PROJECTS</b> Seng Kiong Ting (SINGAPORE)
S3-C2	<b>HAZARD EVALUATION OF WORK TYPES FOR BUILDING CONSTRUCTION</b> Seong-Seok GO (KOREA)
S3-C3	<b>STOCHASTIC SCHEDULING CONSIDERING INTERDEPENDENT ACTIVITY DURATIONS</b> I-Tung YANG (TAIWAN)
S3-C4	<b>INCORPORATION OF TOTAL TIME MANAGEMENT INTO HIGHWAY PROJECT TIME MANAGEMENT SYSTEM</b> Weijun LIU (CHINA)
S3-C5	<b>FLEXIBLE OPTIMIZATION MODEL FOR LINEAR SCHEDULING PROBLEMS</b> Shu-Shun LIU (TAIWAN)
S3-C6	<b>USING QUANTITY ESTIMATE STATISTICAL MODELS FOR INFRASTRUCTURE LONG RANGE COST MANAGEMENT</b> Jui-Sheng CHOU (TAIWAN)

SESSION 3-D

13:30 ~ 15:00  
Ruby

State-of-the-Art in Construction Engineering and Management

Chairperson : Tingya HSIEH, National Central University, TAIWAN

S3-D1	<b>A PRELIMINARY STUDY OF EFFECT OF THE GREEN FEATURE-WING WALLS ON NATURAL VENTILATION IN BUILDINGS</b> Cheuk Ming MAK (HONG KONG)
S3-D2	<b>RELIABILITY TEST OF RFID TECHNOLOGY IN TOOL TRACKING</b> Julian KANG (U.S.A)
S3-D3	<b>A CASE STUDY ON INVESTMENT EVALUATION OF A PRIVATE SECTOR PROJECT WITH GEOTECHNICAL RISKS</b> Yoshiki ONOI (JAPAN)
S3-D4	<b>QUANTITATIVE ANALYSES USING 4D MODELS - AN EXPLORATIVE STUDY</b> Rogier JONGELING (U.S.A)
S3-D5	<b>WEB-BASED SERVICE REQUEST &amp; FEEDBACK SYSTEM : THE LIFE CYCLE MANAGEMENT AS CONTINUOUS CUSTOMIZATION OF FACILITY INFORMATION</b> Jinsu JEONG (U.S.A)
S3-D6	<b>USING WEB CAMERA TECHNOLOGY TO MONITOR STEEL CONSTRUCTION</b> Kerry SLATTERY (U.S.A)

SESSION 3-E

13:30 ~ 15:00  
Topaz

International and Global Issues in Construction Project Management

Chairperson : Beom-Yong SUNG, Takenaka Europe, GERMANY

S3-E1	<b>MODELLING THE TECHNOLOGY TRANSFER PROCESS IN THE THAI CONSTRUCTION INDUSTRY : A PILOT STUDY</b> Rodney STEWART (AUSTRALIA)
S3-E2	<b>JAPANESE OFFICIAL DEVELOPMENT ASSISTANCE SYSTEM AND ITS IMPROVEMENT</b> Yoichi HIROTA (JAPAN)
S3-E3	<b>DECISION SUPPORT SYSTEM FOR SUBURBAN STATION REHABILITATION</b> Taehoon HONG (KOREA)
S3-E4	<b>BRIEF HISTORY OF KOREA'S OVERSEAS CONSTRUCTION: LESSONS AND FUTURE STRATEGY</b> Jong-Hoon KIM (KOREA)
S3-E5	<b>STRATEGIC FRAMEWORK FOR SINGAPORE CONTRACTORS FORMING JOINT VENTURES IN DEVELOPING COUNTRIES: A PRELIMINARY STUDY</b> Charles Y.J. CHEAH (SINGAPORE)
S3-E6	<b>INNOVATION IN JAPAN'S CONSTRUCTION INDUSTRY - PERCEPTIONS OF CLIENTS AND CONTRACTORS</b> Alexander PICHURA (GERMANY)

SESSION 4-A

15:20 ~ 17:20  
Crystal Ballroom 3

Cost, Schedule and Quality Control

Chairperson : Yong Woo KIM, State University of New York, U.S.A.

S4-A1	<b>SCHEDULING REPETITIVE PROJECTS WITH STOCHASTIC RESOURCE CONSTRAINTS</b> I-Tung YANG (TAIWAN)
S4-A2	<b>ACCELERATED CONSTRUCTION OF URBAN INTERSECTIONS WITH PORTLAND CEMENT CONCRETE PAVEMENT (PCCP)</b> Kamran NEMATI (U.S.A)
S4-A3	<b>FORECASTING THE COST AND DURATION OF SCHOOL RECONSTRUCTION PROJECTS USING REGRESSION ANALYSIS</b> Wei Tong CHEN (TAIWAN)
S4-A4	<b>EVALUATING THE FEASIBILITY OF THE HIGHWAY ENGINEERING SCHEDULE USING SIMULATION TECHNIQUE</b> Weijun LIU (CHINA)
S4-A5	<b>THE APPLICATION OF THEORY OF CONSTRAINT IN SCHEDULING</b> Tsung-Chieh SAI (TAIWAN)
S4-A6	<b>THE TRENDS OF CONSTRUCTION COST INDICES AND THEIR APPLICATIONS</b> Seung-Hyun LEE (KOREA)
S4-A7	<b>FORECASTING THE COST AND DURATION OF SCHOOL RECONSTRUCTION PROJECTS USING ARTIFICIAL NEURAL NETWORK</b> Ying-Hua HUANG (TAIWAN)
S4-A8	<b>NEW TREND OF SCHEDULING IN LINEAR CONSTRUCTION PROJECT</b> Senthil J (INDIA)

SESSION 4-B

15:20 ~ 17:35  
Emerald

Cost, Schedule and Quality Control  
/ Construction Education and Training  
Chairperson : Jinu KIM, University of New South Wales, AUSTRALIA

S4-B1	<b>MOBILE COMPUTER BASED CLASSROOM ASSESSMENT</b> Chul S. KIM (U.S.A)
S4-B2	<b>SIMPLIFIED SIMULATION APPROACH TO MANAGING SCHEDULE-OVERRUN RISKS IN CONSTRUCTION OPERATIONS</b> Ming LU (CHINA)
S4-B3	<b>DERIVING ACCURATE COST CONTINGENCY ESTIMATE FOR MULTIPLE PROJECT MANAGEMENT</b> Jin-Lee KIM (U.S.A)
S4-B4	<b>A CP-BASED OPTIMIZATION MODEL FOR CONSTRUCTION RESCHEDULING PROBLEMS</b> Shu-Shun LIU (TAIWAN)
S4-B5	<b>NEW MOVEMENT OF PROVINCIAL UNIVERSITIES UNDER THE CONCEPT OF REGIONAL DEVELOPMENT SCHEME IN CHINA</b> Chen GUO (JAPAN)
S4-B6	<b>KOREAN CONSTRUCTION JOB MARKET FORECAST FOR CIVIL/ARCHITECTURAL ENGINEERS</b> Myung Jin CHAE (KOREA)
S4-B7	<b>OFFICIAL DEVELOPMENT ASSISTANCE ‘ODA’ AND HUMAN RESOURCE DEVELOPMENT IN THE CONSTRUCTION INDUSTRY OF A DEVELOPING COUNTRY</b> Rajendra NIRLAULA (JAPAN)
S4-B8	<b>A SIMULATION APPROACH TO CONSTRUCTION MANAGEMENT EDUCATION</b> Muhammad Imran GHATALA (U.S.A)
S4-B9	<b>AN ANALYSIS ON THE LABOR/CAPITAL PRODUCTIVITY OF THE CONSTRUCTION INDUSTRY</b> Jinu KIM (AUSTRALIA)

SESSION 4-C

15:20 ~ 17:20  
Ruby

Project Delivery Systems  
Chairperson : Shuzo FURUSAKA, Kyoto University, JAPNA

S4-C1	<b>ORGANIZATIONAL AND COMMUNICATION ISSUES FOR MANAGING DESIGN-BUILD HIGHWAY PROJECTS</b> G. Edward GIBSON (U.S.A)
S4-C2	<b>OPTION DESIGN STRATEGIES FOR INFRASTRUCTURE PROJECTS</b> Charles Y. J. CHEAH (SINGAPORE)
S4-C3	<b>CONSULTANTS’ NEEDS AND EXPECTATIONS FROM CONTRACTING ORGANIZATIONS IN NORTHERN CYPRUS BUILDING CONSTRUCTION INDUSTRY</b> Mehmedali EGEMEN (TURKEY)
S4-C4	<b>COMPARATIVE STUDY ON INTER-ORGANIZATIONAL RELATIONS BETWEEN KEIRETSU AND PARTNERING</b> Takashi KANETA (JAPAN)

S4-C5 **MODEL FOR GOVERNMENT RESCUE POLICIES IN PUBLIC-PRIVATE PARTNERSHIP PROJECTS**  
S. Ping HO (TAIWAN)

S4-C6 **A STUDY ON CONSTRUCTION CONTRACTS AND PAYMENT METHODS IN CM AT RISK SYSTEM**  
Jea-Sauk LEE (KOREA)

S4-C7 **IMPACTS OF DESIGN-BUILD DELIVERY SYSTEM ON THE CONSTRUCTION INDUSTRY IN TAIWAN**  
Min-Ren YAN (TAIWAN)

S4-C8 **RELATIONAL CONTRACTING: THE WAY FORWARD OR JUST A BRAND NAME?**  
Fiona CHEUNG (AUSTRALIA)

SESSION 4-D

15:20 ~ 17:20  
Topaz

Information Technology in Construction  
/ Automation and Robotics in Construction  
Chairperson : Rodney STEWART, Griffith University, AUSTRALIA

S4-D1 **DEVELOPMENT OF MATERIAL TRACKING SYSTEM USING WIRELESS TECHNOLOGY IN HIGH-RISE BUILDING**  
Soon-Wook KWON (KOREA)

S4-D2 **SUPPLY CHAIN MANAGEMENT SYSTEM FOR CURTAIN WALLS USING RFID TECHNOLOGY**  
Sangyoon CHIN (KOREA)

S4-D3 **DEVELOPMENT OF ERP INTEGRATION SYSTEM FOR SPORTS INDUSTRY IN TAIWAN**  
Yan-Chyuan SHIAU (TAIWAN)

S4-D4 **VISUALIZATION OF HIGHWAY PROJECT BIDS USING TREEMAPS**  
Min PENG (U.S.A)

S4-D5 **OBSERVATION ERROR OF TIME-LAPSED PHOTOS IN CONSTRUCTION OPERATION MONITORING**  
Jiwon CHOI (U.S.A)

S4-D6 **A STUDY ON THE SAFETY INFORMATION SYSTEM TO PREVENT HAZARD OF BUILDING CONSTRUCTION**  
Han-Min LEE (KOREA)

S4-D7 **DEVELOPMENT OF CONSTRUCTION PROCUREMENT INFORMATION EXCHANGE STANDARDS IN TAIWAN**  
Ren-J DZENG (TAIWAN)

S4-D8 **PERFORMANCE EVALUATION OF THE CONSTRUCTION KNOWLEDGE MANAGEMENT SYSTEM - A CASE STUDY OF AN A/E CONSULTANTING FIRM**  
Wen-Der YU (TAIWAN)



# POSTER PRESENTATION

P-01	<b>A CONSTRUCTION PROCESS IMPROVEMENT MODEL USING CONSTRUCTION FAILURE INFORMATION</b> Yongseok JEON (KOREA)
P-02	<b>ESTIMATES OF THE CONSUMER SATISFACTION INDEX USING THE POST OCCUPANCY EVALUATION</b> Kyungsook KIM (KOREA)
P-03	<b>MARKETING STRATEGIES OF NAME BRAND APARTMENTS ACCORDING TO THE BRAND LIFE CYCLE</b> Kyungsook KIM (KOREA)
P-04	<b>RESEARCH ON CURRENT STATUS AND IMPROVEMENT METHOD FOR KOREAN NAME BRAND APARTMENT</b> Kyungsook KIM (KOREA)
P-05	<b>LEAN CONSTRUCTION MANAGEMENT OF BPIMT(BUILDING-CONSTRUCTION PROCESS INNOVATION MANAGEMENT TOOLS &amp; TECHNIQUES) THAT BASED VSM &amp; TACT</b> Sang-Hyuk LEE (KOREA)
P-06	<b>THE KEY SUCCESS VEHICLES FOR FAST-TRACK IN PUBLIC DESIGN-BUILD PROJECTS</b> Kyuman CHO (KOREA)
P-07	<b>A DECISION SUPPORT MODEL FOR PROCUREMENT OF REUSABLE MATERIALS IN MULTIPLE PROJECT MANAGEMENT</b> Ju-Yeoun HAN (KOREA)
P-08	<b>DEVELOPMENT OF THE ANTI-CORRUPTION OPERATING SYSTEM ON CONSTRUCTION CONTRACTS AND PROCUREMENTS IN KOREA</b> Jee-hye KIM (KOREA)
P-09	<b>CONSTRUCTION COST INDEX FOR APPLYING INDEX ADJUSTMENT RATE IN THE ROAD PROJECTS</b> Jin Yong CHUN (KOREA)
P-10	<b>CPM BAR CHART TECHNIQUE FOR CONSTRUCTION SCHEDULING</b> Soo-Yoo KIM (KOREA)
P-11	<b>ANALYSIS OF THE INFLUENCE OF WEATHER ON CONSTRUCTION PRODUCTIVITY RATE FOR SUPER-HIGHRISE BUILDING CONSTRUCTION FRAMEWORK</b> Jae-won SHIN (KOREA)
P-12	<b>A CLUSTER ANALYSIS OF THE AUDIT RESULT OF QUALITY MANAGEMENT SYSTEM IN ARCHITECTURAL DESIGN AND ENGINEERING FIRMS</b> Dae-Kwon BAE (KOREA)
P-13	<b>MAINTENANCE PERFORMANCE EVALUATION OF THE BUILDINGS IN THE DESIGN PHASE</b> Ha-Kyu BAECK (KOREA)
P-14	<b>IMPROVING DECISION SUPPORT PROCESS IN COOPERATIVE DESIGN FOR BUILDING PROJECT</b> Su-Kyung CHO (KOREA)
P-15	<b>A PROPOSAL OF CONSTRUCTABILITY REVIEW IN THE BASIC DESIGN STEP FOR DESIGN-BUILD PROJECTS</b> Sung Wook CHOI (KOREA)
P-16	<b>DESIGN MANAGEMENT FOR CONSTRUCTABILITY REVIEW OF HIGH QUALITY EXPOSED CONCRETE</b> Doo Won HWANG (KOREA)
P-17	<b>A STUDY ON THE CLASSIFICATION OF OWNER'S STANDARD SPECIFICATIONS</b> Jai Dong KOO (KOREA)

P-18	<b>INFORMATION MODEL FOR DESIGN MANAGEMENT IN ROADWAY CONSTRUCTION PROJECTS</b> Kwan Hee CHO (KOREA)
P-19	<b>PROPOSING MANAGEMENT OF WORK PRIORITY TO REDUCE CONSTRUCTION FAILURE CLAIMS</b> In-ho KIM (KOREA)
P-20	<b>IMPROVEMENT OF CONSTRUCTION CIVIL AFFAIRS ADMINISTRATION SYSTEM(CCAS) : FOCUSING ON ADMINISTRATION FOR ROAD OCCUPATION PERMIT</b> In-Su JUNG (KOREA)
P-21	<b>DEVELOPMENT OF STRATEGY FOR APPLICATION OF 4D MODELING IN CONSTRUCTION MANAGEMENT</b> Yang-Taek KIM (KOREA)
P-22	<b>STUDY ON LCC ANALYSIS OF BUILDING ACCORDING TO STRUCTURES</b> Hyo-Joong KIM (KOREA)
P-23	<b>A FEASIBILITY STUDY ON THE NUMERICAL PRE-ASSEMBLY SIMULATION USING 3D LASER SCANNING MEASUREMENT</b> Kyoungmin KIM (KOREA)
P-24	<b>KNOWLEDGE MANAGEMENT DEVELOPMENT PROCEDURE AND ITS INTRODUCTION PLAN FOR CONSTRUCTION COMPANY</b> Ji yun LEE (KOREA)
P-25	<b>BASIC RESEARCH FOR BUILDING EDUCATIONAL FACILITY MAINTENANCE PROCESS</b> Jung-Whan OH (KOREA)
P-26	<b>APPLYING LEAN CONSTRUCTION TO DESIGN</b> Joohyun PARK (KOREA)
P-27	<b>EXPLORATORY STUDY OF LEAN CONSTRUCTION: ASSESSMENT OF LEAN CONSTRUCTION</b> Daeyoung KIM (KOREA)
P-28	<b>A PRACTICAL HUMAN RESOURCE MANAGEMENT PLAN FOR FOREIGN CONSTRUCTION WORKERS</b> Eui-Jae JIN (KOREA)
P-29	<b>THE BUSINESS STRATEGY INNOVATIONS OF THE TOP DESIGN FIRMS IN GLOBAL DESING &amp; ENGINEERING MARKETS</b> Seok-In CHOI (KOREA)
P-30	<b>PRACTICAL APPROACHES TO RISK MANAGEMENT FOR GLOBAL CONTRACTORS</b> Du Yon KIM (KOREA)
P-31	<b>THE CAUSES OF BAD PROFIT IN OVERSEAS CONSTRUCTION PROJECTS</b> Du Yon KIM (KOREA)
P-32	<b>A STUDY ON THE RATE OF RETURN OF PRIVATE INFRASTRUCTURE INVESTMENT PROJECT</b> Young-Min PARK (KOREA)
P-33	<b>A STUDY OF INVOICELESS PROCESS USING RFID IN CONSTRUCTION FIELD</b> Kyoung soon PARK (KOREA)
P-34	<b>A STUDY ON THE COMPARATIVE ANALYSIS OF THE PROFESSIONAL ENGINEERS ACT OF DIFFERENT COUNTRIES</b> Kihyoung PARK (KOREA)
P-35	<b>INTEGRATION MODEL OF COST AND SCHEDULE IN STEEL BOX GIRDER BRIDGE PRODUCTION PROCESS</b> Seok KIM (KOREA)

# SOCIAL EVENTS

## WELCOME RECEPTION

18:00 ~ 20:00, Oct. 16 (Sun), 2005  
Sapphire Room (B1), Lotte Hotel, Jamsil, Seoul

Free to registered participants and registered accompanying persons.  
It will provide the participants with an opportunity to socialize in relaxed atmosphere and enjoy the warm welcome from the organizing committee. Standing buffet style dinner and drinks will be served.

## BANQUET


18:00 ~ 20:00, Oct.18 (Tue), 2005  
Crystal Ballroom (3F), Lotte Hotel, Jamsil, Seoul

Free to registered participants and registered accompanying persons.  
Participants will enjoy the warmest hospitality and have a memorable experience of the conference. Sitting dinner and drinks will be served with Korean traditional dance performance.




# GENERAL INFORMATION

## CURRENCY AND CREDIT CARDS


 Basic Unit of Korean Currency is Won (₩). The exchange rate is subject to change according to daily fluctuations. As of October 2005, USD1 is equivalent to approximately 1,050 Korean Won. Foreign bank notes and traveler's check can be exchanged for Korean Won at the airport, hotels and all Korean banks. Credit cards such as Visa, Master, American Express, Diners and JCB are all widely accepted.




## BUSINESS HOURS

 Government offices are open between 09:00 and 18:00, while banks are from 09:30 to 16:30. Most offices are open only on weekdays and closed on Saturdays and Sundays.


## LIABILITY AND INSURANCE

 The Organizing Committee will not be responsible for medical expenses in case of accidents or other unexpected occurrences such as personal injuries, loss, and damages. Participants are advised to arrange their own insurance if it is needed.


## EMERGENCY

 Emergency call numbers in Korea are 112 for police and 119 for fire/rescue and hospital service.


## TIPPING

 Tipping is not a traditional Korean custom. A 10% service charge will be added to your bill at all tourist hotels.

## ELECTRICITY


 In Korea, outlets for 220 volts are dominant. Always check the power supply before using your equipment.

## KOREAN FOOD

 Korean cuisine provides unique aromas and tastes for visitors to savor. In addition to being highly nutritious, Korean food is also low in calories. Visitors cannot really say they have been to Korea if they have not tasted "Kimchi", the internationally famous cabbage dish. More familiar to the foreign palate are "galbi" "bulgogi", and "bibimbab."



## SHOPPING

 Seoul and other major cities offer a wide variety of shopping opportunities that include arcades, department stores, duty-free shops, districts specialized in shopping, and outdoor markets. Major department stores are open from 10:30 to 19:30, including Sundays, while smaller shops tend to be open from mid-morning till late evening. Convenience stores dotted throughout the cities are open 24 hours. At midnight, Namdaemun and Dongdaemun Markets in Seoul serve as all-night sale districts, where you can buy many goods at cheap retail prices.





# TOUR INFORMATION

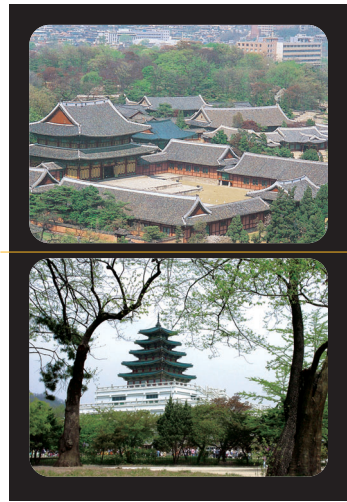
TECHNICAL  
TOUR

October 19 (Wed)

## Tour I - Cheonggyecheon Restoration Project

October 19 (Wed), 09:00 ~ 13:00 / Price: KR ₩ 45,000

The tour departs Jamsil Lotte Hotel. The mountainous stream sources of Cheonggyecheon are Inwang-san at northwest of Seoul, Bukaksan's southern tip and Nam-san's northern end. Cheonggyecheon is an urban stream flowing west to east and converges at the center of Seoul. The total length spans 10.92 km and the area covered is 50.96km<sup>2</sup>. Since Seoul's designation as the capital in 1394 during the Joseon Dynasty, Cheonggyecheon has divided the capital geographically and has always played a symbolic role as a boundary in politics, society and culture. A full-scale concrete construction to cover the stream began on May 25, 1958 and was completed in December 1961. A width of 16 to 54 m covering starting at Gwanggyo running a length of 2,358 m up to Ogansu Bridge near Pyeonghwa Arcade in the central downtown was covered and paved with concrete. The construction cost was 166.17 million Hwan, and about 242,000 people were mobilized. The restoration of Cheonggyecheon is not just a part of Seoul's urban planning. This project has the concerns of the entire nation as a symbolic project that will revive an important part of Korea's historical and natural heritage at the start of the 21st century. The project is expected to set a new paradigm for urban management in the new century and contribute to renewing the environmentally sound image of Seoul.



## Tour II - Cheonggyecheon Restoration Project + Gyeongbok Palace

October 19 (Wed), 09:00 ~ 13:00 / Price: KR ₩ 105,000

### GYEONGBOKGUNG PALACE

Built in 1394 as the main palace of the Joseon Dynasty(1392-1910) by its founder King Taejo, it is the most comprehensive and grandest of the five palaces of the Joseon Dynasty.

### NATIONAL FOLK MUSEUM OF KOREA

Located within Gyeongbokgung palace, the museum is a showcase of the lifestyle of the Korean people from the prehistoric age to the Joseon Dynasty, displaying items of everyday use, funerary objects, major works of art, and replicas.

### [Notes for all Tour Programs]

1. All tours require a minimum of 15 persons.
2. Cancellation or charges must be in writing to the secretariat.
3. Tour reservation requires a fee guaranteed by a credit card.
4. English guide will be provided for all the tour programs.

NIGHT  
TOUR

October 17 (Mon)



## Night Tour I - Dongdaemun Market

October 17 (Mon), 18:30 ~ 20:30 / Price: KR ₩ 50,000

Some of the greatest bargains can be found at Dongdaemun Market, a large area packed with small shops and big malls. Around ten modern clothing malls have sprung up among the long established older markets. Shops are open all night, brightly lit and playing cheerful music. Dongdaemun Market has become famous for having similar clothing to department stores at very reasonable price

## Night Tour II - Han River Cruise

October 17 (Mon), 18:30 ~ 21:30 / Price: KR ₩ 60,000

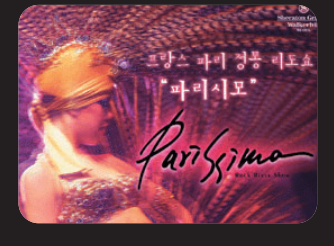
A symbol of Seoul, the Han River runs through Seoul east to west, with an average depth of 2.5m and width of 175m. The river is crossed by 22 bridges and there are excursion boats plying between Yeouido and Jamsil.



## Night Tour III - Walkerhill Show

October 17 (Mon), 18:30 ~ 22:30 / Price: KR ₩ 105,000

The Sheraton Walkerhill Show has been a part of the hotel since opening day, and its 720 seat Kayagum Theater Hall is the largest in Asia. Visitors can get their first glimpse into Korea's rich and ancient heritage through the Korean Traditional Revue. This Korean Dance troupe entertains and educates audiences twice nightly through a display of folk songs, ancient musical instruments and intricate, traditional dances.



### [Notes for all Tour Programs]

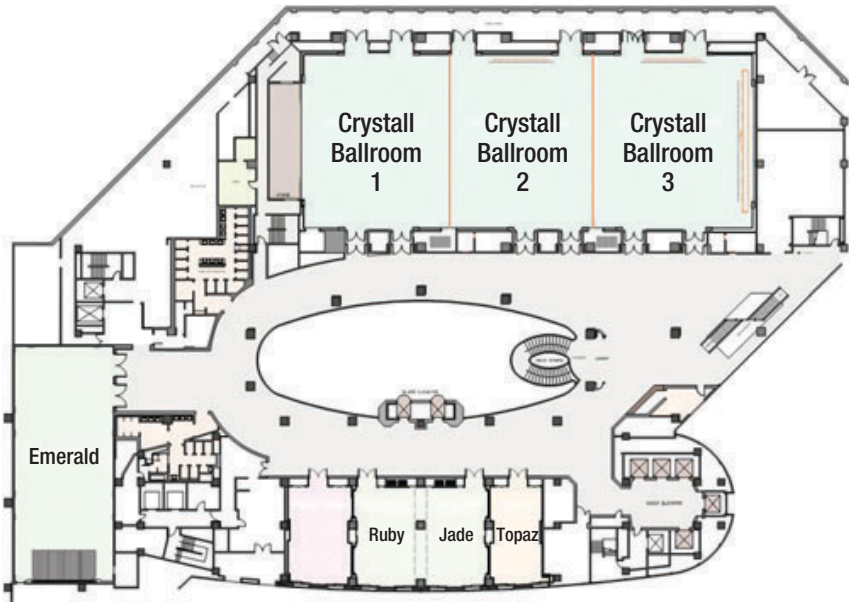
1. All tours require a minimum of 10 persons.
2. Cancellation or changes must be made in writing to the secretariat.
3. Tour reservation required a fee guaranteed by a credit card.
4. English speaking guide will be provided for all the tour programs

MAP OF CONFERENCE VENUE

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