

August 16-19, 2004 Sheraton Grande Walkerhill, Seoul, Korea



Program at a glance

Time	Aug. 16 (Mon)		Aug. 17 (Tue)		A	aug. 18 (Wed)	Aug. 19 (Thu)
08							
09	1.020		Opening Ceremony		Sp	pecial Lecture IV	
***************************************			Keynote Address			Coffee Break	
10			Coffee Break		1	Parallel Session	
***************************************			Special Lecture I		um	r druiler session	
11					II For	Break	
11	Executive Committee	3:00)	Special Lecture II	8:00)	Special Forum	Parallel Session	
13	Meeting	on (09:00~18:00)	Lunch		*Lunch (Student Essays)		Technical Visits Course 1 (08:30~) Course 2, 3 (08:00~)
		Exhibition	Special Lecture III Break		COLUMN (Studer II Essays)		
14		/ Ex					
		00:		00:		Parallel Session	
15		(08:00~18:00)	Parallel Session	30~18	Coffee Brec	Coffee Break	
			C Coffee Break):80) (Sp	oecial Lecture V	
16	Registration	ration	Colleg Bleak	ration	CI	losing Ceremony	
17		Registration	Parallel Session **	Registration (08:00~18:00)		Break	
18	Welcome		Parallel Session				
	Reception						1-10-10
19	Presidential Presidential Meeting Technical Committee Meeting		Special Forum 2 Reception			Gala Dinner	e e e e e e e e e e e e e e e e e e e

^{*}Student Essays will be presented during lunch time on Aug. 18.

^{**10} min. Break

Schedule in Detail

Time	Contents		Place					
Aug. 16 (Mon)								
09:00 ~ 15:00	Executive Commit	tee Meeting / Presidential Meeting	Rose Room (2F)					
14:00 ~ 18:00	Registration		Mugunghwa Ballroom Foyer (1F					
	Welcome Reception	on						
17:30 ~ 19:00		aeng HEO, Yonsei Univ., KSCE	Vista Hall (B2)					
	Welcoming Address:							
19:00 ~21:00		tee Meeting (TC-1)	Camellia (2F)					
17,00 21.00	Presidential Meetir	ng (hosted by KSCE President)	Ondal (B1)					
Aug. 17 (Tue)								
08:00 ~ 09:00	Registration		Mugunghwa Ballroom Foyer (1F					
09:00 ~ 09:35	Opening Ceremor Chair: Dr. Hyoseop Declaration of the ope Opening Address: Dr. Welcoming Address: Introduction of Preside Congratulatory Reman	Vista Hall (B2)						
09:35 ~ 10:10	Speaker: Dr. Myungja	TCHELL, Immediate Past Chairman, Civil College of EA a KIM, Congress Woman; Former Minister, Ministry of Environment, Korea Issues and Sustainable Development in Northeast Asia	Vista Hall (B2)					
	Exhibition Opening							
10:10 ~ 10:30	Coffee Break	Mugunghwa Ballroom Foyer (1) Vista Hall Foyer (B2)						
10:30 ~ 11:10	Special Lecture I Chair: Prof. Shigeru Speaker: Prof. Yutaka Title: The Suggestion	Vista Hall (B2)						
11:10 ~ 11:50	Special Lecture II Chair: Dr. P. N. AV. Speaker: Mr. Manuel Title: Department of I Philippines Med	Vista Hall (B2)						
11:50 ~ 13:30	Lunch	Kayagum Hall (B1)						
13:30 ~ 14:10	Speaker: Dr. Sheng-F	Chuan CHERN, President of CICHE Fong LIN, Minister, Ministry-of-State, Republic of China Chapter Development Action Plan of Taiwan	Vista Hall (B2)					
14:10 ~ 14:30	Break							
14:30 ~ 15:50	Parallel Sessions	T1-a T2 T5-a T7-a T7-d T3-a Special Forum 2	Vista Hall 1 (B2) Vista Hall 2 (B2) Vista Hall 3 (B2) Vista Hall 3 (B2) Mugunghwa Ballroom 3 (1F) Cosmos Room (3F) Camellia Room (2F) Art Room (4F)					
15:50 ~ 16:10	Coffee Break	¥	Mugunghwa Ballroom Foyer (1 Vista Hall Foyer (B2)					
16:10 ~ 17:10	Parallel Sessions	T1-b T6-a T5-b T7-b T7-e T3-b	Vista Hall 1 (B2) Vista Hall 2 (B2) Vista Hall 3 (B2) Vista Hall 3 (B2) Mugunghwa Ballroom 3 (1F) Cosmos Room (3F) Camellia Room (2F)					
		Special Forum 2	Art Room (4F)					

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Time	Contents	Place				
17:10 ~ 17:20	Break					
17:20 ~ 18:20	Parallel Sessions T1-c T6-b T5-c T7-c T7-f Young Engineers Session 1 Special Forum 2	Vista Hall 1 (B2) Vista Hall 2 (B2) Vista Hall 3 (B2) Mugunghwa Ballroom 3 (1F) Rose Room (2F) Camellia Room (2F) Art Room (4F)				
Aug. 18 (Wed)						
08:00 ~ 09:00	Registration	Mugunghwa Ballroom Foyer (1)				
09:00 ~ 09:40	Special Lecture IV Chair: Prof. Liem Sy PHAM, Vice President of VIFCEA Speaker: Dr. Thai Quang NGUYEN, General Secretary of Vietnam Economic Association, VIFCEA Title: National Plan in Vietnam: Process and Perspectives	Vista Hall 1 & 2 (B2)				
09:40 ~ 10:00	Coffee Break	Mugunghwa Ballroom Foyer (1				
10:00~ 11:00	Parallel Sessions T1-d T8-a T5-d T7-g T7-i Special Forum 1	Vista Hall 1 (B2) Vista Hall 2 (B2) Vista Hall 3 (B2) Mugunghwa Ballroom 3 (1F) Cosmos Room (3F) Camellia Room (2F)				
11:00 ~ 11:20	Break	Carrella Room (2F)				
11:20 ~ 12:20	Parallel Sessions T1-e T8-b T9-a T7-h T7-j Special Forum 1	Vista Hall 1 (B2) Vista Hall 2 (B2) Vista Hall 3 (B2) Mugunghwa Ballroom 3 (1F) Cosmos Room (3F) Camellia Room (2F)				
12:20 ~ 13:50	Lunch / Student Essay Presentation Chair: Prof. Chongyul YOON, Hongik Univ., KSCE	Kayagum Hall (B1)				
13:50 ~ 15:10	Parallel Sessions T1-f T8-c T9-b T4 T10 Young Engineers Session 2	Vista Hall 3 (B2) Mugunghwa Ballroom 3 (1F) Cosmos Room (3F) Rose Room (2F) Art Room (4F) Camellia Room (2F)				
15:10 ~ 15:30	Coffee Break	Vista Hall Foyer (B2)				
15:30 ~ 16:10	Special Lecture V Chair: Ms. Patricia D. GALLOWAY, President of ASCE Speaker: Prof. Tomasz ARCISZEWSKI, George Mason Univ., ASCE Title: Information Technology in the Context of Innovation and Computation in Civil Engineering	Vista Hall (B2)				
16:10 ~ 16:40	Closing Ceremony Chair: Dr. Hyoseop WOO, Secretary General of LOC Reporting: 1. Conference Summary: Dr. Chun-Su CHON, Secretary General of ACECC 2. Presidential Meeting Summary: Dr. Young-Nam LEE, Chair, Planning Committee of ACECC Remarks from incoming ACECC Chair: Prof. Jenn-Chuan CHERN, President of CICHE Remarks from the 4th LOC Chair: Prof. Key-Chyuan TSAI, CICHE Closing Address: Prof. Jungho SONU, Honorary Chair of LOC	Vista Hall (B2)				
16:40 ~ 18:00	Break					
18:00 ~ 20:00	Gala Dinner Chair: Mr. In-Kuin KIM, Vice President of KSCE Banquet Address: Dr. Kwang-Il KIM, Chair of ACECC Farewell Address: Prof. Soo-Sam KIM, President of KSCE Performances: 1. Civil Harmony, 2. Korean Traditional Performance					

Parallel Sessions by Track

Aug. 17 (Tue)

	14:30 ~ 15:50 (80 min.)	16:10 ~ 17:10 (60 min.)	17:20 ~ 18:20 (60 min.)
Vista Hall 1 (B2)	T1 - a	T1 - b	T1 - C
Vista Hall 2 (B2)	T2	T6 - a	T6 - b
Vista Hall 3 (B2)	T5 - a	T5 - b	T5 - C
Mugunghwa Ballroom 3 (1F)	77 - a	T7 - b	T7 - c
Cosmos Room (3F)	T7 - d	T7 - e	
Camellia Room (2F)	T3 - a	T3 - b	Young Engineers Session 1
Rose Room (2F)			T7 - f
Art Room (4F)	Special Forum 2	Special Forum 2	Special Forum 2

Track 1: Infrastructure

Track 2: Human Resources

Track 3: Natural Disasters

Track 4: Professional Issues

Track 5: Project Management

Track 6: Contracting Practice

Aug. 18 (Wed)

10:00 ~ 11:00 (60 min.)	11:20 ~ 12:20 (60 min.)	13:50 ~ 15:10 (80 min.)
T1 - d	T1 - e	
T8 - a	T8 - b	
T5 - d	T9 - a	TI - f
T7 - g	T7 - h	T8 - C
T7 - i	Т7 - ј	T9 - b
Special Forum 1	Special Forum 1	Young Engineers Session 2
		T4
		Т10

Track 7: Research and Development

Track 8: Mega Projects

Track 9: Inter-regional Cooperation

Track 10: Future of Engineering

Special Forum 1: Great Mekong Sub-region (GMS) Special Forum 2: New Trends in Construction Industry

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Oral Presentation

	Session	Date & Time	Chair	Co - Chair	Paper No.	Authors	Title
Keynote A	Address	Aug. 17(09:30~10:10)	Paul MITCHELL		KA	Myungja KIM (KSCE)	Environmental Issues and Sustainable Development in Northeast Asia
Special Le	ecture I	Aug. 17(10:30~11:10)	Shigeru MORICHI		SL1	Yutaka TAKAHASI and Hideki OGATA (JSCE)	The Suggestion of the Civil Practical Education by 'The Civil Engineering Picture Book Series'
Special L	ecture I	Aug. 17(11:10~11:50)	P. N. AVENTAJADO		SL2	Manuel M. BONOAN (PICE)	Department of Public Works and Highways Manila, Philippines Medium-term Dpwh Infrastructure Development Plan CY 2005-2
Special Le	ecture II	Aug. 17(13:30~14:10)	Jenn-Chuan CHERN		SL3	Sheng-Fong LIN (CICHE)	National Sustainable Development Action Plan of Taiwan
Special Le	ecture IV	Aug. 18(09:00~09:40)	Liem Sy PHAM		SL4	Thai Quang NGUYEN (VIFCEA)	National Development Plan in Vietnam: Process and Perspectives
Special Le	ecture V	Aug. 18(15:30~16:10)	Patricia GALLOWAY		SL5	Tomasz ARCISZEWSKI (ASCE)	Information Technology in the Context of Innovation and Computing in Civil Engineering
		Aug. 17(14:30~15:50)			T1-1	Liem Sy PHAM (VIFCEA)	Infrastructure Development for Poverty Reduction in Vietnam
	a		Kris R. NIELSEN	Cana Lhia KIM	T1-2	Osamu SHINOHARA (JSCE)	Bridge Design Stream in Japan - from the Beauty and Landscape Points of View -
	a		NIS N. INIELSEN	Sang-Hyo KIM	T1-3	Brian O' DONNELL (EA)	Sustainability - Practical Examples
					T1-4	Mooyoung HAN and Sangrae KIM (KSCE)	Toward a Water Independent City through Rainwater Harvesting
					T1-5	Kohji MICHIOKU and Tohru KANDA (JSCE)	Contamination of Reservoir Hypolimnion Caused by Chemically Stratified Flow
	b	Aug. 17 (16:10~17:10)	Patrick J. NATALE	Myung-Pil SHIM	T1-6	Sidharth BHAT (ASCE)	Infrastructure Development
					T1-7	Ethan (Rong-Yau) HUANG (CICHE)	Developments of Sustainable Construction in Taiwan
			Patrick J. NATALE	Myung-Pil SHIM	T1-8	Chien-Yuan LIN and Wan-Kai LEE (CICHE)	A Comparative Analysis on the Integration of National Spatial Planning and Infrastructure Development
С	С	c Aug. 17(17:20~18:20)			T1-9	Peter H. STEWART (EA)	Award Winnig Woronora Bridge
					T1-10	Mitsuaki IZUMI (JSCE)	Environmental Problems in the Construction Industry
rack 1		d Aug. 18(10:00~11:00)	Tetsuya HANAMURA	Jong-Sung SIM	T1-11	Hidehiro KATSUI (JSCE)	Restoration of Tidal Flats Using Dredged Eutrophic Mud
d	d				T1-12	Chao-Heng TSENG and Ban-Jwu SHIH (CICHE)	Sustainable Development Oriented Practices in Civil Engineering
					T1-13	Taketo UOMOTO and Misra SUDHIR (JSCE)	Maintenance of Concrete Structures - Introduction of Recommendations by JSCE Concrete Committee -
		Aug. 18(11:20~12:20)	Yasuaki SHIMIZU	Jong-Sung SIM	T1-14	Hyung Sik CHUNG, Gyu-Jin BAE and Seok-Won LEE (KSCE)	Tunneling in Korea
	е				T1-15	Nahanada CLIZUIVI and Inniin AVIDA (1005)	Infrastructure Development and Protection of Environment
	6				11-13	Nobuyuki SUZUKI and Junjiro AKIBA (JSCE)	(Sustainable Water Supply and Recycling of Construction Materials)
					T1-16	Danilo C. TERANTE (PICE)	The Role of Probability Density Models to Water Resource Management of Philippine Watersheds
		Aug. 18(13:50~15:10)	Tadahiko OKUMURA		T1-17	Tae Wook KIM and Moon-Kyum KIM (KSCE)	Seismic Design of Underground Structures Considering Moderate Earthquake
					T1-18	Katsuhide YOSHIKAWA	Manager Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the Vision in CAL Provided Assirat Clabal Warning from the CAL Provided Ass
	f			Sung-Woo LEE	11-10	and Yoshiharu NAMIKAWA (JSCE)	Measure Against Global Warming from the Viewpoint of National Land Management
					T1-19	Andrew D. MCINTYRE (EA)	Utilising Support Tools for an Effective Asset Management Outcome - Queensland Main Roads
					T1-20	Gen KATO (JSCE)	Collaboration Design Work in Railway Station Projects
					T2-1	Masafumi TATEDA (JSCE)	Comparison of Worlds between Nurses and Waste Management Workers -Finding a Clue for Improving Social Statu
rack 2		Aug. 17(14:30~15:50)	P. N. AVENTAJADO	Young-Seok PARK -	T2-2	John Chien-Chung LI (CICHE)	The Civil Engineering Education in Taiwan
ITAUK Z					T2-3	Sang-II LEE (KSCE)	Web-Based Education in Civil Engineering: Contents Development and Performance Evaluation
					T2-4	Hitoshi TANAKA and Syunsuke IKEDA (JSCE)	Civil Engineers' Qualification System of JSCE
		Aug. 17(14:30~15:50)	Peter GODFREY	Woon Kwang YEO	T3-1	Fumihiko IMAMURA (JSCE)	Comprehensive Countermeasure for Tsunami Disaster Mitigation in Japan
					T3-2	Chin-Hsiung LOH (CICHE)	Seismic Monitoring of Structures: An Important Element of Seismic Hazard Mitigation
ack 3	а				T0 0	Hajime NAKAGAWA, Kazuya INOUE, Taisuke ISHIGAKI,	Inundation by River Water Flooding in Urban Cities
					T3-3	Keiichi TODA and Yasunori MUTO (JSCE)	- Experiments Using a Large Scale Inundation Model and Their Analyses -
					T3-4	Takayuki SHIMAZU (JSCE)	Japan's Earthquake-Hazard Assessment at Prefectural and 12 Largest Cities' Levels

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Japan's Earthquake-Hazard Assessment at Prefectural and 12 Largest Cities' Levels

Takayuki SHIMAZU (JSCE)

rack	Session	Date & Time	Chair	Co - Chair	Paper No.	Authors	Title
b					T3-5	Reiko AMANO, Shigeru HIRASHIMA and Hachiro UKON (JSCE)	Disaster Mitigation Technology in the Construction Industry
	A.v. 17/10:10 17:10\	Steve FINLAY	Jong-Se LEE	T3-6	Chi-Shou HSIEH (CICHE)	Cross Licensing of Professionals among ACECC Members	
	Aug. 17(16:10~17:10)	Sieve FINLAY		T3-7	Ikuo OGIWARA, Jun-ichi TANAKA, Kesao TOMIZAWA and Matsuo TAMURA (JSCE)	Strengthening Cutting and Embankment as Disaster Prevention for Rainfall in Nagano Shinkansen Line	
			Tomasz ARCISZEWSKI		T4-1	Keun-Joo BYUN (KSCE)	Development of the Asian Concrete Model Code
				Woong Seok YU	T4-2	Tamon UEDA (JSCE)	Introduction of JSCE Guidelines for Performance-based Design of Steel-Concrete Hybrid Structures
Track 4		Aug. 18(13:50~15:10)			T4-3	Peter J. GODFREY (EA)	Continuing Professional Development: Its Importance in Sustaining a Robust and Relevant Profession in Evolving Societies
					T4-4	Moriyasu FURUKI (JSCE)	The Mission of JSCE in the Movement towards Globalization, Socialization, and Interdisciplinary Exchange
				Moon-Kyum KIM	T5-1	D. Trang NGUYEN (ASCE)	The Construction of the Furama Resort Hotel in Da Nang, Vietnam
			Lilia R. AUSTRIACO		T5-2	Hong-Bo ZHOU and Jin-Ke SUN (ASCE)	Project Management of Terminal Building of Shanghai Pudong International Airport
	a	Aug. 17(14:30~15:50)			T5-3	Raymond John GERKE (EA)	Managing Assets from Creation to Disposal
					T5-4	Yusuke HONJO and Osamu KUSAKABE (JSCE)	Some Movements toward Establishing Comprehensive Structural Design Codes in Japan: 'Geo-code 21' and 'code PLATFORM ver.1'
		Aug. 17(16:10~17:10)	M. M. BONOAN	In-Mo LEE	T5-5	Masato OTSUBO (JSCE)	Construction Management as a General Contractor
					T5-6	M. Aslam MIRZA (ASCE)	Construction Project Success Monitoring and Control
	b				T5-7	Keith CREWS, Bijan SAMALI, Steve BAKOSS and Chris CHAMPION (EA)	Testing and Assessment Procedures to Facilitate the Management of Timber Bridge Assets
Track 5			M. M. BONOAN	Sangchul BANG	T5-8	Kris R. NIELSEN (ASCE)	Risk Management Techniques Evolving Project Management Tools for All Seasons
Hauk 5	С	Aug. 17(17:20~18:20)			T5-9	Byung Kon KIM, Cheol Kyu LEE, Hei Sook NA and Jin Uk KIM(KSCE)	A Framework of Construction CALS/EC In Korea
					T5-10	Tai Sik LEE, Jong-Hyun PARK, Jae-Ho CHOI and Hee-Suk CHUNG (KSCE)	A Study on Defining Factors that Affect on Construction Productivity : Based on the Relationship between General Contractor and Subcontractor
				Chae-Sung GEE	T5-11	Bruce E. PODWAL and James J. ROZEK (ASCE)	Program Management
	d	Aug. 18(10:00~11:00)	P. N. AVENTAJADO		T5-12	Masayoshi TAGA, Kimio TAKEYA, Taku MAEDA and Masahiro ARIIZUMI (JSCE)	The Movement and Assignment of Construction Project Challenge to Project Management Consultant
					T5-13	Jey K. JEYAPALAN (ASCE)	Creative Ways to Build Underground Power Cables and Broadband Networks through Strategic Partnerships among Utilities
		a Aug. 17(16:10~17:10)	William HENRY	Kang-Won Wayne LEE	T6-1	Yin-Wen CHAN, Jenn-Chuan CHERN, Yung-Bin LIN, Yen-Ruey CHEN and Chen-Yuan LIN (CICHE)	An Innovated Sensing Technique for Concrete Materials Research using FIBER Optical Sensors
а	a				T6-2	Masato FUJII and Yasuhiko IWASAKI (JSCE)	Systems for Quality Based Selection on Public Works in Japan
					T6-3	Soon-Byung LEE and Soon-Woong CHANG (KSCE)	Who Can Build My Project Best?
Track 6			William HENRY	Kang-Won Wayne LEE	T6-4	Satoshi TANIGUCHI, Kazuhiko YOKOCHI, Tadayuki ABE and Shogo OTSUKI (JSCE)	Performance Specification and Value Engineering of the Paving Work in MLIT
	b	Aug. 17(17:20 ~ 18:20)			T6-5	Chullho LIEU (KSCE)	Top Korean Civil Contractors
					T6-6	M. A. AZIZ (ASCE)	Bangladeshi Bridge Builders Gearing up to Face International Competition