Daily Schedule

* For the Session abbreviation, please check Page 13

25 June (Mon.)

Time	Event	Contents	Venue
09:00-13:00	ACECC 15th ECM		4F,401, TICC
13:00-14:00	ECM Lunch		3F, TICC
16:00-18:00	Registration		Lobby, TICC
18:30-21:00	Welcome Reception		3F, Grand Hyatt Taipei
19:30-21:00	ACECC Presidential Dinner		2F, Grand Hyatt Taipei

26 June (Tue.)

Time	Event	Contents	Venue
08:00-17:00	Registration		Lobby, TICC
09:00-09:30	Opening Ceremony		3F, Plenary Hall, TICC
09:30-09:50	Awarding Ceremony		3F, Plenary Hall, TICC
09:50-10:30	Keynote Lecture	Chair: Chin-Der OU (CEO, THSRC) Speaker: Dharma Master Cheng Yen and R. S. HER (Tzu-Chi Foundation) Title: Less desires, and more love for earth	3F, Plenary Hall, TICC
10:30-11:00	Exhibition Opening Ceremony and Coffee Break		Room 101, TICC
10:30-18:00	Exhibition & Poster		Room 101, TICC
11:00-12:30	Special Lecture 1 - 3	Chair: Chung-Yih LIN (Deputy Mayor, Taipei City Government)	3F, Plenary Hall, TICC
11:00-11:30	Special Lectures 1	Speaker: Prof. Masanori HAMADA (JSCE) Title: Roles of Civil Engineers for disaster mitigation under changes of natural and social environments	3F, Plenary Hall, TICC
11:30-12:00	Special Lectures 2	Speaker: Prof. Richard N. WRIGHT (ASCE) Title: Practice, education and research for sustainable infrastructure (PERSI)	3F, Plenary Hall, TICC
12:00-12:30	Special Lectures 3	Speaker: Prof. Rolfe HARTLEY (EA) Title: Does Australia need a sustainability charter?	3F, Plenary Hall, TICC
12:30-13:30	Lunch		3F, Banquet Hall, TICC
	Student Essays		3F, North Lounge, TICC
13:30-15:10	Special Lectures 4 (13:30-14:00)	Speaker: Dr. Pham-Hong GIANG (VIFCEA) Title: Flood mitigation strategy for sustainability in Vietnam	Room 201DE, TICC
	Parallel Session I	T2A, T3A, T4A, T5A, T6A T1S: Session for Tzu Chi Foundation YEA: Young Engineers Session A	T2A :201A /T3A :201B T4A :201DE/ T5A :201C T6A :201F/ T1S:103 YEA: 203
	Special Forum 1 (13:30-15:30)	Sustainable Rural and urban development Co-organized by : CICHE, EA	Room 102, TICC
15:10-15:40	Coffee Break		Room 101, TICC
15:40-17:40	Special Lectures 5 (15:40-16:10)	Speaker: Prof. Duinkherjav YAGAANBUYANT (MACE) Title: Deflection calculation and control - Mongolian code	Room 201DE, TICC
	Parallel Session II	T1A, T2B,T3B, T4B, T5B, T6B YEB: Young Engineers Session B	T1A:201A / T2B:103 T3B:201DE / T4B:201B T5B:201C / T6B:201F YEB :203
	Special Forum 2 (15:40-17:40)	The 2004 Indian Tsunami - Their Damage, Lessons and Disaster Mitigation Organized by :JSCE	Room 102, TICC

27 June (Wed.)

Time	Event	Contents	Venue
08:00-16:00	Registration		Lobby, TICC
09:00-18:00	Exhibition & Poster		Room 101, TICC
09:00-10:20	Special Lectures 6 (09:00-09:30)	Speaker: Dr. Sung-Wan HONG (KSCE) Title: Lessons from construction failures in Korea	Room 201DE, TICC
	Parallel Session III	T1B, T3C, T4C, T5C, T6C T2S: ASCE Leadership Session	T1B:203 / T2S: 103 T3C:201F / T4C: 201DE T5C:201B / T6C:201C
	Special Forum 3 (09:00-11:00)	Harmonization of Design Codes in the Asian Region Organized by :JSCE	Room201A, TICC
	ASCE Tutorial on QRA (09:00-12:30)	Quantitative Risk Assessment for Natural Hazard Mitigation Organized by :ASCE	Room 102, TICC
10:20-10:50	Coffee Break		Room 101, TICC
10:50-12:10	Special Lectures 7 (10:50-11:20)	Speaker: Prof. Yeong-Bin YANG (CICHE) Title: The leading role of civil engineers in shaping the future of the world	Room 201DE, TICC
	Parallel Session IV	T1C, T1D, T2C, T3D, T5D T2S: ASCE Leadership Session	T1C:201B / T1D:202 T2C:201F / T3D:201DE T5D:201C / T2S:103
12:10-13:30	WFEO President Speech and Lunch	Chair: Mr. Ching-Peng SHEN (Chair, RESA Co.) Speaker: Mr. Kamel Ayadi Title: The role of engineers in addressing the sustainability challeng	3F, Banquet Hall, TICC
13:30-15:20	Special Lectures 8 (13:30-14:00)	Speaker: Anthony. Rolando. T. GOLEZ Jr. (PICE) Title: Philippine disaster management system	Room 201A, TICC
	ASCE Workshop on QRA (13:30-17:00)	Quantitative Risk Assessment for Natural Hazard Mitigation Organized by :ASCE	Room 102, TICC
	Parallel Session V	T2D, T4D, T6D T3S: Asian Concrete Model Code Session (ICCMC) YEC: Young Engineers Session C	T2D:201B / T4D:201A T6D:201C / T3S:103 YEC: 201F
	Special Forum 4 (13:30-17:00)	High-Tech Industry for Sustainable Development Organized by :CICHE	Room 201DE, TICC
15:10-15:40	Coffee Break		Room 101, TICC
15:40-17:20	Parallel Session VI	T1E, T2E, T5E, T6E	T1E:103 / T2E:201B T5E:201C / T6E:201A
17:20-17:50	Closing Ceremony	ACECC Taipei Declaration on Sustainable Development 5th CECAR Announcement	3F, Plenary Hall, TICC
17:50-18:30	Break		
18:30-20:30	Gala Dinner		3F, Banquet Hall, TICC

28 June (Thu.)

Time	Event
09:00-19:00	Technical Visits

Parallel Session by Tracks

Room \ Time	26 June (Tue.)		27 June (Wed.)			
	13:30-15:10	15:40-17:40	09:00-10:20	10:50-12:10	13:30-15:10	15:40-17:20
102	Special Forum 1 **13:30-15:30**	Special Forum 2	ASCE Tutorial on QRA **09:00-12:30**		ASCE Workshop on QRA **13:30-17:00**	
103	T1S **13:30-15:30**	T2B	T2S **09:00-11:30**		T3S **13:30-15:30**	T1E
201A	T2A	T1A	Special Forum 3 **09:00-11:00**		Special Lecture 8 & T4D **13:30-15:20**	T6E
201B	T3A	T4B	T5C	T1C	T2D	T2E
201C	T5A	T5B	T6C	T5D	T6D	T5E
201DE	Special Lecture 4 & T4A **13:30-15:20**	Special Lecture 5 & T3B **15:40-17:50**	Special Lecture 6 & T4C **09:00-10:30**	Special Lecture 7 & T3D **10:50-12:20**	Special Forum 4 **13:30-17:00**	
201F	T6A	T6B	T3C	T2C	YEC	
203	YEA	YEB	T1B	T1D		

Track 1 (T1): Ecology, Environment and Engineering
Track 2 (T2): Sustainable Construction
Track 3 (T3): e-Construction and Information Standards
Track 4 (T4): Disaster Reduction and Recovery
Track 5 (T5): Innovative Technology and Modern Management
Track 6 (T6): Mega Project and International Cooperation

Special Forum 1: Sustainable Rural and Urban Development
Special Forum 2: The 2004 Indian tsunami - their damage, lessons and disaster mitigation
Special Forum 3: Harmonization of Design Codes in the Asian Region
Special Forum 4: High-Tech Industry for Sustainable Development

ASCE Tutorial on QRA (Quantitative Risk Assessment)
ASCE Workshop on QRA (Quantitative Risk Assessment)

Schedule in Detail

Keynote Lecture

Chair: Chin-Der OU, CEO, Taipei High Speed Rail Corporation

Date / Time	Room	Author(s)	Title
26 June / 09:50-10:30	Plenary Hall	Dharma Master Cheng Yen and R. S. HER (Tzu Chi)	Less desires, and more love for earth

Special Lecture

Chair: Chung-Yih LIN, Deputy Mayor, Taipei City Government

Date / Time	Room	Author(s)	Title
26 June / 11:00-11:30	Plenary Hall	**M. HAMADA (JSCE)** Immediate Past President, JSCE	Roles of civil engineers for disaster mitigation under changes of natural and social environments
26 June / 11:30-12:00	Plenary Hall	**R. N. WRIGHT (ASCE)** Member, Committee on Sustainability, ASCE	Practice, education and research for sustainable infrastructure (PERSI)
26 June / 12:00-12:30	Plenary Hall	**R. HARTLEY (EA)** National President, EA	Does Australia need a sustainability charter?

Date / Time	Room	Author(s)	Title
26 June / 13:30-14:00	201DE	**P. H. GIANG (VIFCEA)** Former Vice-Minister, Vietnam Ministry of Agriculture and Rural Development	Flood mitigation strategy for sustainability in Vietnam
26 June / 15:40-16:10	201DE	**D. YAGAANBUYANT (MACE)** Chair of Construction Management, Mongolian University of Science and Technology	Deflection calculation and control - Mongolian code
27 June / 09:00-09:30	201DE	**S. W. HONG (KSCE)** Invited Senior Research Fellow, Geotechnical Engineering Research Division, KICT	Lessons from construction failures in Korea
27 June / 10:50-11:20	201DE	**Y. B. YANG (CICHE)** President, Chinese Institute of Civil and Hydraulic Engineering	The leading role of civil engineers in shaping the future of the world
27 June / 13:30-14:00	201DE	**A. R. T. GOLEZ Jr. (PICE)** Deputy Administrator, OCD	Philippine disaster management system

Session: T1S: Tzu Chi Foundation Session

26 June, 13:30 - 15:30, Room 103

Chair: Rey-Sheng HER / Co-Chair: Tsan-Hwei HUANG

	Author(s)	Title
T1S	C. L. LIN (Tzu Chi)	Architectural design and the patient-centered medical care and conservation concept of The Buddhist Compassion Relief Tzuchi Foundation
	M. H. SHYR (Tzu Chi)	The Buddhist Tzu Chi stem cells center - development and perspectives
	M. T. HSU (Tzu Chi)	Space and culture: some remarks from Tzuchi university
	P. Y. LIN (Tzu Chi)	Hope comes from the spirit - after the earthquake of September 21, 1999, why we started it and how we completed it
	J. G. HSIEH (Tzu Chi)	International relief
	R. S. HER (Tzu Chi)	Recycling and Psychological Transformation of Tzu-Chi Environmental Protection

Session: T1A: Ecology, Environment and Engineering

26 June, 15:40 - 17:40, Room 201A

Chair: Steven FINLAY / Co-Chair: Ting-Kuei TSAY

	Author(s)	Title
T1A	B. A. O'DONNELL (EA)	Intergrated waste to energy project, Philippines
	J. C. HSIA (CICHE)	Spatial strategic planning toward a sustainable infrastructure for Taiwan
	K. MICHIOKU (JSCE)	Strategy of water purification in dam reservoirs
	A. HO, et al. (EA)	A cost effective eco-approach to slope greening in Hong Kong
	D. C. TERANTE (PICE)	System focused technique for sustainable solid waste management of Philippine rural areas
	S. L. PHAM (VIFCEA)	Handling of solid waste in Vietnam

Session: T1B: Ecology, Environment and Engineering

27 June, 09:00 - 10:20, Room 203

Chair: Wilson TANG / Co-Chair: Tim Hau LEE

	Author(s)	Title
T1B	K. FURUKAWA (JSCE)	Environment restoration project in coastal development implementation of the adaptive management
	H. Y. KIM and H. M. SONG (KSCE)	A study on improvement of water quality in palace pond
	Y. MURAKAMI, et al. (JSCE)	Small scale bed topography theory based fish ladder design in the Taiwan salmon stream
	J. HA ,et al.(KSCE)	Bioremediation of the organophosphate pesticide, coumaphos, using microorganisms immobilized in calcium-alginate gel beads

Session: T1C: Ecology, Environment and Engineering

27 June, 10:50 - 12:10, Room 201B

Chair: Ho-Shong HOU / Co-Chair: Keita FURUKAWA

	Author(s)	Title
T1C	H. WOO, et al. (KSCE)	A demonstrative research project of out-aged small dam removal for eco-corridor stream rehabilitation
	T. ORO and K. I. FUJITA (JSCE)	Individuality and universality of policies for securing water resources in the Tokyo metropolitan area to cope with the rapid population growth
	C. W. TSAI and S. FRANCESCHINI (ASCE)	Sustainable water quality management: analysis of toxic contaminants in the Niagara River using Hilbert Huang transform method
	F. OHNO, et al. (JSCE)	The enlargement of closed system disposal facilities in Japan (Feasibility Study)

Session: T1D: Ecology, Environment and Engineering

27 June, 10:50 - 12:10, Room 203

Chair: Pham Hong GIANG / Co-Chair: Tay-Ming LEE

	Author(s)	Title
T1D	P. S. LIN (CICHE)	The application of recycling agent to reclaimed asphalt concrete
	T. S. CHEONG (KSCE)	Periodic transient storage zone modeling for the solute mixing in natural streams and rivers with various bottom boundaries
	I. W. SEO and S. W. PARK (KSCE)	2-D tracer tests on pollutant mixing in meandering channel
	B. K. LIM, et al. (JSCE)	Technology on eelgrass Zostera marina bed restoration with consideration on the conservation of genetic diversity

Session: T1E: Ecology, Environment and Engineering

27 June, 15:40 - 17:20, Room 103

Chair: Kesayoshi HADANO / Co-Chair: Ko-Fei LIU

	Author(s)	Title
T1E	T. FUJITA and W. L. FANG (JSCE)	Integrative evaluation system of environmental technologies for sustainable basin regional management
	N. TSUNEHISA and K. MURAKAMI (JSCE)	The method to prevent marine organisms from attaching on structures underwater
	K. ITO, et al. (JSCE)	Development of international exchange system for river restoration technology
	T. S. CHEONG (KSCE)	3D simulations of flow in the delta cross channel region of the Sacramento River with implications for fish passage

Session: T2S: ASCE Leadership Session

27 June, 09:00 - 11:30, Room 103

Chair: Bill HENRY / Co-Chair: Luh Maan CHANG

	Author(s)	Title
T2S	B. HENRY, et al.(ASCE)	Eliminating corruption in our engineering/construction industry
	P. D. GALLOWAY (ASCE)	Setting up project control parameters and metrics for sustaining projects
	W. F. MARCUSON, et al.(ASCE)	Seismic design and analysis of embankment dams: the state of practice
	D. R. MARTENSON (ASCE)	Vision for civil engineering and sustainability in 2025
	P. J. NATALE (ASCE)	Leadership begins with our members
	L. C. NIELSEN and K. R. NIELSEN (ASCE)	Applying risk management techniques to global growth in sustainable infrastructure projects

Session: T2A: Sustainable Construction

26 June, 13:30 - 15:10, Room 201A ,

Chair: Dan FRANGOPOL / Co-Chair: Hyo-Nam CHO

	Author(s)	Title
T2A	L. M. CHANG and Y. T. CHEN (ASCE)	Substainable precast concrete pavement
	E. J. JASELSKIS and P. V. CAMPBELL (ASCE)	Future trends in construction and what it means for research and education
	G. R. GAJEWSKI, et al.(ASCE)	A new infrastructure-led regional development approach to promote more equitable globalization in Asia
	R. M. NEHRU (INDIA)	Sustainable construction: Asia learning from the UK experience
	P. H. CHEN (ASCE)	Sustainable data exchange between architectural design and structural analysis

Session: T2B: Sustainable Construction

26 June, 15:40 - 17:40, Room 103
Chair: Tony C. LIU / Co-Chair: P. DANESHMAND

	Author(s)	Title
T2B	**M. C. HO** (CICHE) Director, Architecture & Building Reserch Institute	A sustainable conversion in building industry: green building promotion program in Taiwan
	M. FURUKI and K. IZUMI (JSCE)	Management of aging infrastructures -overview of present conditions and perspectives
	P. GODFREY and H. LINGARD (EA)	Safer construction: the development of a voluntary code of practice to improve safety performance in the Australian construction industry
	M. SUEOKA and Y.TAGAWA (JSCE)	Project management of maintenance work for the seashore expressway
	L. R. AUSTRIACO (PICE)	Sustainable development framework for civil engineers

Session: T2C: Sustainable Construction

27 June, 10:50-12:10, Room 201F
Chair: Wataru SHIRAKI / Co-Chair: Ta-Peng CHANG

	Author(s)	Title
T2C	**H. S. HOU** (Administrative Deputy Minister of the Ministry of Economic Affairs) and T. W. HSU (CICHE)	Design criteria of coastal dike around Taiwan coast
	K. KAWAI and K. SAKAI (JSCE)	JSCE recommendation on environmental performance verification for concrete structures (draft) and its application
	T. WEBB and M. TOWNSEND (EA)	Sustainable engineering practice on the Australian coast
	H. OKUBO, et al. (JSCE)	Method of constructing a large section tunnel by integrated small shield tunnels: a new method for underpasses for renewing urban areas

Session: T2D: Sustainable Construction

27 June, 13:30-15:10, Room 201B
Chair: Shunji KUSAYANAGI / Co-Chair: Rong-Yau HUANG

	Author(s)	Title
T2D	Y. HACHIYA, et al. (JSCE)	Recycling of waste asphalt concretes for use in heavy-duty pavements
	Z. C. GUAN, et al. (JSCE)	Reinforcement effect evaluation for rock bolt in Natm Tunnelling
	M. A. N. TANCHULING, et al.(PICE)	Coco-Fiber and Coco-Peat as sorbent material in the removal of Zinc in wastewater
	I. M. CHUNG, et al. (KSCE)	A new method of estimating groundwater recharge for sustainable water resources management in Korea
	K. H. CHO, et al. (KSCE)	Design concepts and performance evaluation of a new-type FRP-concrete composite deck

Session: T2E: Sustainable Construction

27 June, 15:40-17:20, Room 201B
Chair: Yukihiko SUMIYOSHI / Co-Chair: Il Moon CHUNG

	Author(s)	Title
T2E	P. DANESHMAND and A. KHREICH (EA)	Project performance measurement approach in road construction industry using EVPM method
	H. W. SONG, et al. (KSCE)	Corrosion of steel in mixed cementitious mortars with chlorides
	H. W. SONG, et al. (KSCE)	Probability-based service life prediction of fixed link bridge exposed to a marine environment
	A. W. C. ORETA (PICE)	Structural engineers and sustainable development in natural hazard-prone regions
	T. SHIOTANI and S. MIWA (JSCE)	Condition monitoring by means of acoustic emission for a new era of sustainable civil structures

Session: T3S: Asian Concrete Model Code Session

27 June, 13:30-15:30, Room 103,
Chair: Ha-Won SONG / Co-Chair: Shyh-Jiann HWANG

	Author(s)	Title
T3S	K. H. TAN (ICCMC)	Asian concrete model code: development, role and looking ahead
	K. HARADA and H. KUMAGAI (ICCMC)	Design for fire actions - A guideline for designing reinforced concrete buildings for fire actions
	J. C. L. CHIANG (ICCMC)	Alignment of Malaysian codes in design for normal action and wind action to ACMC part 1 document
	K. IRIYA, et al. (ICCMC)	Precast concrete in level 2 document of materials and construction in Asian concrete model code
	S. TANGTERMSIRIKUL and K. KAEWMANEE (ICCMC)	Development of Thailand code with reference to ACMC part 2 document
	K. TAKEWAKA (ICCMC)	Maintenance: maintenance guidelines for chloride ion ingress and carbonation
	T. UEDA (ICCMC)	Liaison and contribution of ICCMC in ISO

Session: T3A: e-Construction and Information Standards

26 June, 13:30-15:10, Room 201B,
Chair: E. J. JASELSKIS / Co-Chair: Sou-Sen LEU

	Author(s)	Title
T3A	**W. S. LEE**, et al. (CICHE) Director General, Construction and Planning Agency, Taiwan	Implementation of knowledge management platform for construction industry
	N. YABUKI and Z. T. LI (JSCE)	Application of product models and virtual/augmented reality to bridge design and construction
	J. KANG, et al. (USA)	Configuration of rock transportation system using visual simulation
	B. G. KIM, et al. (KSCE)	A prototype of standard database for the lifetime management of bridges

Session: T3B: e-Construction and Information Standards

26 June, 16:10-17:50, Room 201DE

Chair: Erik VANMARCKE / Co-Chair: Shyh - Jiann HWANG

	Author(s)	Title
T3B	C. P. CHOU and H. C. CHEN (CICHE)	Riding quality assurance based on continuous and automatic profile data collection system
	S. C. CHANG, et al.(CICHE)	Data exchange using XML in public constructions in Taiwan
	K. KAMEYAMA, et al. (JSCE)	Evaluation of cutting face stability using machine data of large section TBM
	S. UMEMOTO, et al. (JSCE)	Behaviors of the floating earth retaining wall in two layered soils and deformation control system

Session: T3C: e-Construction and Information Standards

27June, 09:00 -10:20, Room 201F

Chair: San-Zheng CHANG / Co-Chair: Yoshitaka HACHIYA

	Author(s)	Title
T3C	**T. Y. HSIEH** (CICHE) Former Vice Chairman, Public Construction Commission	Efficiency and transparency: status review of government E-procurement system in Taiwan
	C. C. KAO, et al. (CICHE)	The integration of geographic and construction information systems
	Y. F. LIAO, et al.(CICHE)	Development and application of 4D construction simulation tools
	G. SAKAI, et al. (JSCE)	Evaluation of placing performance of concrete to prevent initial defects

Session: T3D: e-Construction and Information Standards

27June, 11:20 -12:20, Room 201DE

Chair: B. A. O'DONNELL / Co-Chair: Hwang Ming CHEN

	Author(s)	Title
T3D	S. KUSAYANAGI (JSCE)	Developing appropriate construction management education for infrastructure development and management
	J. N. CHO, et al. (CICHE)	Document handling in engineering consulting firms for knowledge management
	R. H. WU, et al. (CICHE)	Smart IT applications on construction project management

Session: T4A: Disaster Reduction and Recovery

26 June, 14:00-15:20, Room 201DE

Chair: Hitoshi FURUTA / Co-Chair: Ban-Jwu SHIH

	Author(s)	Title
T4A	W. SHIRAKI, et al. (JSCE)	Development of computer simulation system for evacuation and application to improvement of community disaster preparedness
	K. F. LIU and Y. C. HSU (CICHE)	Study on the sensitivity of parameters relating to debris flow spread
	M. USHIYAMA (JSCE)	An analysis of human damage caused by recent heavy rainfall disasters in Japan
	A. HO (EA)	Landslide Risk Management in Hong Kong

Session: T4B: Disaster Reduction and Recovery

26 June, 15:40-17:40, Room 201B

Chair: Primitivo C. CAL / Co-Chair: Meei-Ling LIN

	Author(s)	Title
T4B	B. M. PACHECO (PICE)	Risk management perspectives and procedures in different professional disciplines
	Y. S. CHANG and C. H. TU (CICHE)	Tsunami risk management of harbor - case study of port of Kaohsiung
	N. SUZUKI and J. R. WHORLOW (JSCE)	A study on the characteristics of information network in an emergency
	K. MIKI, et al. (JSCE)	Fire prevention system with water screen in under-ground
	M. W. HUANG, et al. (CICHE)	Site-specific amplifications evaluated from geotechnical data in central Taiwan
	G. Y. LIU, et al. (CICHE)	Seismic risk assessment of lifelines in Taiwan

Session: T4C: Disaster Reduction and Recovery

27 June, 09:30-10:30, Room 201DE

Chair: Moriyasu FURUKI / Co-Chair: Shin-Ya HO

	Author(s)	Title
T4C	S. FINLAY (EA)	Emergency risk management - the full cycle from planning to response for a regional coastal area in Australia
	B. M. PACHECO, et al. (PICE)	Historical review of wind speed maps in the Philippines for various purposes: toward further development and use as typhoon hazard maps
	B. M. PACHECO and E. R. AQUINO (PICE)	'Typhoon Engineering' efforts for sustainable development in the Philippine setting

Session: T4D: Disaster Reduction and Recovery

27 June, 14:00-15:20, Room 201A

Chair: Soon Duck KWON / Co-Chair: Dyi-Wei, CHANG

	Author(s)	Title
T4D	F. C. YU, et al. (CICHE)	Debris flow hazard potential mapping using GIS rule - based technique
	R. M. T. TANHUECO and M. E. MAURP (PICE)	Initiating disaster risk management in infrastructure and land use planning in the Philippines
	J. R. DUNGCA (PICE)	Liquefaction potential assessment of western Manila
	M. A. H. ZARCO, et al. (PICE)	Failure mechanism of a massive landslide: 17 February 2006 Guinsaugon Rockslide-Debris Avalanche, Philippines

Session: T5A: Innovative Technology and Modern Management

26 June, 13:30-15:10, Room 201C

Chair: J. SKIBNIEWSKI / Co-Chair: Benito PACHECO

	Author(s)	Title
T5A	C. C. CHAMPION (EA)	Sustainable management of infrastructure: an essential part of doing business
	C. Y. HSU and S. F. HUANG (CICHE)	Using LIDAR and high resolution aerial image to establishing HSR 3D ground surface mode
	H. S. LEE, et al. (KSCE)	Urban tunneling in sand & gravel layers under high groundwater level
	A. M. FILLONE (PICE)	Application of logit models for transport mode choices in Metro Manila
	M. J. SKIBNIEWSKI (ASCE)	Assuring success of enterprise management systems in construction firms

Session: T5B: Innovative Technology and Modern Management

26 June, 15:40-17:40, Room 201C
Chair: Seungsik LEE / Co-Chair: Ernesto S. De CASTO

	Author(s)	Title
T5B	**T. M. LEE** (CICHE) Director General, Taiwan Area National Freeway Bureau	A creating plan on the intelligent transportation system of integrated freeway and expressway networks
	P. STEWART (EA)	Lawrence Hargrave Drive Sea Cliff Bridge Coalcliff, NSW
	H. SHIMIZU, et al.(JSCE)	Sabo soil cement applying to the construction of Sabo Dam (Bawakaraeng urgent sediment control project, Indonesia)
	S. LEE (KSCE)	Stability of pultruded structural shapes
	J. M. UNTALAN, et al. (PICE)	Building roads and building partnerships thru linkages: infrastructure development and cultural site preservation with the protection of indigenous people and biodiversity

Session: T5C: Innovative Technology and Modern Management

27 June, 09:00 - 10:20, Room 201B
Chair: Kenji KAWAI / Co-Chair: Chi-Chang LIN

	Author(s)	Title
T5C	Y. HISHIJIMA and T. HIMENO (JSCE)	State of the art bridge bearings in Japan since the Hanshin-Awaji earthquake disaster
	C. H. LOH and J. P. LYNCH (CICHE)	Application of wireless sensing system for structural system identification, damage detection and control research
	S. H. NAM, et al. (KSCE)	Seismic performance evaluation of underground reinforced concrete structures
	P. L. LIU, et al. (CICHE)	The SSH home project

Session: T5D: Innovative Technology and Modern Management

27 June, 10:50-12:10, Room 201C
Chair: Nobuyoshi YABUKII / Co-Chair: Hyseop WOO

	Author(s)	Title
T5D	S. KUSAYANAGI, et al. (JSCE)	A study on the productivity analysis system for construction projects by using information technology
	S. SASAKI, et al. (JSCE)	Management process for realization of river basin control towards the creation of the urbanized hydrological system to be well-balance
	W. K. KIM (KSCE)	Development of new drilling system for minimizing the ground disturbance and improving the constructional environment
	M. A. AZIZ(ASCE)	Hajji Shariatullah Bridge, a land mark of innovations and classic method of construction

Session: T5E: Innovative Technology and Modern Management

27 June, 15:40 - 17:20, Room 201C
Chair: Kenichi HORIKOSHI / Co-Chair: Ronaldo S. ISON

	Author(s)	Title
T5E	B. A. O'DONNELL (EA)	Enzymes uses in civil construction
	S. D. KWON, et al. (KSCE)	Application of grid computing technology to the wind tunnel tests
	Y. UEDA, et al. (JSCE)	Design, construction and quality control of the ground improvement method adopted for Singapore marine clay - mechanical cement mixing with cement slurry Jet Grouting
	S. H. NGUYEN and M. IMBE (JSCE)	Policies and practices of storm-water storage and infiltration and their successes in comprehensive urban river basin management in Japan
	T. SHIMADA, et al.(JSCE)	The design and construction of the second runway at the Kansai international airport

Session: T6A: Mega Project and International Cooperation

26 June, 13:30-15:10, Room 201F ,
Chair: Tsuyoshi FUJITA / Co-Chair: T. C. KAO

	Author(s)	Title
T6A	O. KUSAKABE and P. PUNRATTANASIN (JSCE)	ACECC TC on inter-regional cooperation for Great Mekong sub-region - sustainable development - activity report (2006-2007)
	D. H. SEO, et al. (KSCE)	Lateral soil pressures on pile groups adjacent to embankment construction
	L. B. CHIOU and D. J. TSENG (CICHE)	Revisit the Hsuehshan tunnel project in Taiwan
	T. SERIZAWA, et al. (JSCE)	Large-scale railway track change construction in large terminal station - Reconstruction of Shinjuku Overbridge -

Session: T6B: Mega Project and International Cooperation

26 June, 15:40 - 17:40, Room 201F
Chair: Hong-Sung LEE / Co-Chair: Osama KUSAKABE

	Author(s)	Title
T6B	**Y. G. KIM** (KSCE) Assistant Mayor of Subway Construction, Seoul Metropolitan Government	Cheong Gye Cheon restoration project
	T. C. KAO and C. K. LIN (CICHE)	Taiwan high speed rail & its impact to regional development
	C. B. FAN (CICHE)	The special features and prospect for Kaohsiung rapid transit system project
	H. SUDA and O. NOJI (JSCE)	Global infrastructure development for a sustainable Asia
	H. SAKAEDA (JSCE)	Railway bosphorus tube crossing (dream submarine tunnel of people in Turkey for 150 years)
	T. FURUDOI, et al. (JSCE)	Kansai international airport second phase construction project

Session: T6C: Mega Project and International Cooperation

27 June, 09:00 - 10:20, Room 201C
Chair: C. CHAMPION / Co-Chair: Chung-Ho CHIAO

	Author(s)	Title
T6C	N. THASNANIPAN and Z. Z. AYE (ASCE)	Development of Deep-Seated bored piles and barrettes in Thailand, a country report
	T. TINGSANCHALI (ASCE)	Flood drainage and its impacts in the area surrounding Suvarnabhumi Airport, Thailand
	I. ISHIMOTO (JSCE)	Project management by consultant for Hai Van tunnel construction project in Vietnam
	H. KANAI (JSCE)	Renun hydropower project lessons and solutions

Session: T6D: Mega Project and International Cooperation

27 June, 13:30 - 15:10, Room 201C
Chair: Romeo S. MOMO / Co-Chair: Ming-Tang KAO

	Author(s)	Title
T6D	A. T. YEUNG (ASCE)	Management of C&D materials in Hong Kong
	Y. WANG and T. D. O'ROURKE	Performance of Los Angeles water supply system under Verdugo Scenario earthquake
	S. K. A. AU, et al. (ASCE)	Fine Migration in Completely Decomposed Volcanics
	A. T. YEUNG, et al. (ASCE)	Advanced instrumentation in civil engineering
	T. C. SO (ASCE)	Field trial of submarine vacuum preloading

Session: T6E: Mega Project and International Cooperation

27 June, 13:30 - 15:10, Room 201A
Chair: Kohji MICHIOKU / Co-Chair: Ching Lung LIAO

	Author(s)	Title
T6E	C. T. CHANG (Commissioner, Dept. of Rapid Tramsit Systems) and C. C. KAO (CICHE)	Review and prospect of Taipei MRT network
	S. J. CHEN and A. LAN (CICHE)	Taiwan Tao-Yuan Airport link transit system project
	S. S. SHIEH and C. C. CHANG (CICHE)	Taipei 101 - A modern engineering challenge
	I. ARAKI and Y. YOSHIZU (JSCE)	The Nam Ngiep 1 hydropower Project in Laos - The first hydropower PPP to be promoted by Japan
	R. KATSUMATA and V. RATANAVICHARN (JSCE)	A new engineering design for Special Economic Zones (SEZ) in Cambodia

Session: Young Engineers Session A- 26 June, 13:30 - 15:10, Room 203
Chair: Chia-Pei CHOU

Author(s)	Title
N. S. CHOU (CICHE) President of Genesis Group/Taiwan	Special Lecture (1): Professional career development for young engineers
R. UENO, et al. (JSCE)	Experimental study of cyclic-local erosion by concentrate muddy flow
C. H. TSAI (CICHE)	A brief introduction of bus rapid transit in Taipei
K. HASHIMOTO, et al. (JSCE)	The influence of materials and curing period on the durability of mortar against CA leaching
P. KOIRALA, et al. (JSCE)	Research and development of wave energy conversion device
N. HU (CICHE)	Kao Ping Hsi Bridge

Session: Young Engineers Session B- 26 June, 15:40 - 17:40, Room 203
Chair: Edward WANG

Author(s)	Title
C. Y. WANG (CICHE) Professor of Civil Engineering, National Central University, Taiwan	Special Lecture (2): Academic career development for young engineers
C. G. SONG and I. W. SEO (KSCE)	Analysis of discharge of dam spillway according to weir shape
S. Y. YANG (CICHE)	Seepage through a 3-dimensional triangle dam: laser-illuminated surface failure measurements
T. AKAIWA, et al. (JSCE)	The method for discharge estimation based on Acoustic Doppler Current Profiler investigation in a tidal river
K. KIMURA, et al. (JSCE)	Study of tsunami source model and formulation of a vulnerability function for buildings based on the investigation of actual damage due to the Indian ocean tsunami -damage at Matara City, Sri Lanka
S. Y. KIM, et al. (KSCE)	Derivation of the probability plot correlation coefficient test statistics for the generalized logistic and the generalized pareto distributions
C. Y. KIM, et al. (KSCE)	Strategy for prioritizing technology fusion-based research program

Session: Young Engineers Session C- 27 June, 13:30 - 15:10, Room 201F
Chair: Chu-Chieh J. LIN

Author(s)	Title
F. H. CHAN (CICHE) President, Parsons Brinckerhoff International Inc. Taiwan Branch	Special Lecture (3): Engineering market & job opportunities in Asia Countries
T. C. LEE (CICHE)	Assessment of climate change on sustainable water quality management systems
K. C. CHANG (CICHE)	Introduction of extracting bridge frequencies from the dynamic response of a passing vehicle
E. WATATSU, et al. (JSCE)	The present condition and the subject of raptores preservation in Japan
H. H. AHN (KSCE)	Improved design method for 2-arch tunnel

Session: Student Essay- 26 June, 12:30 - 13:30, Room: North Lounge, 3F
Chair: Edward WANG

Author(s)	Title
S. R. SWAIN(ASCE)	Sustainable development and global role of engineers in building a peaceful world for humanity in the 21st century
J. E. DANIELL (EA)	Improved technique for quantifying failure in RC members
Y. SHINODA (JSCE)	The duties of civil engineering
I.W.SEO, et al. (KSCE)	Water quality forecasting system for sustainable development of water environments
J. P. S. TAMAYO (PICE)	How low-cost shelters and peoples' inititatives can alleviate the lives of less fortunate people
T. T. N. BUI (VIFCEA)	Construction of monorail in Hanoi - a new solution
K. CHANG (CICHE)	United Asia

Special Forum

Special Forum 1: Sustainable Rural and Urban Development
Co-organized by: CICHE, EA

Coordinator:
Chien-Yuan LIN
Commissioner, Department of Finance, Taipei City Government
(Professor, National Taiwan University)

Panel Discussant:
Dr. Young Geol KIM
Assistant Mayor of Subway Construction, Seoul Metropolitan Government
Mr. Chih-Chien HSU
Commissioner / Urban Development, Taipei City Government

26 June, 13:30 - 15:30, Room 102

Author(s)	Title
Young-Woon CHOI Director, Transportation Planning Team Multifunctional Administrative City Construction Agency, Korea	The construction plan of multi-functional administrative city in the Republic of Korea
Huei-Long WU Director General, Soil and Water Conservation Bureau Council of Agriculture, Executive Yuan, Taiwan	Multi-strategies of slopeland conservation and rural development
Toshiki AOYAMA President, Japan Water Agency (JWA), Japan (Former Vice-Minister of Land, Infrastructure and Transport)	Outline of the water resources policy in Japan
Paul MITCHELL Representative, Engineers of Australia	Utilizing water sensitive urban design in the development of sustainable residential communities
Charles Chin-Rong LIN Director-General, Urban Development Bureau, Kaohsiung City Government, Taiwan (Adjunct Associate Professor, National Chiao Tung University)	The innovative strategies of reclaiming city river: the construction knowledge from ecological restoration and landscape regeneration of Love River in Kaohsiung
S. K. Jason CHANG Professor, Department of Civil Engineering, National Taiwan University, Taiwan	Intelligent design of transportation infrastructures for sustainable development

Special Forum 2: The 2004 Indian tsunami - their damage, lessons and disaster mitigation
Organized by: JSCE

Discussion and Forum Summary
Chair:
Prof. Fumihiko IMAMURA, Tohoku University, Japan
TC Chair, ACECC

26 June, 15:40 - 17:40, Room 102

Author(s)	Title
Fumihiko IMAMURA TC Chair, Tohoku University, JSCE, Japan	Report on the TC effort regarding Sumatra Offshore Earthquake and Indian Ocean Tsunami
Koji FUJIMA National Defence Academy, JSCE, Japan	Supplementary post-tsunami survey in Sumatra Island for 2004 Indian ocean tsunami
Kenji KOSA Kyushu Institute of Technology, JSCE, Japan	Damage to bridges during the Off-Sumatra Earthquake
Samantha HETTIARACHCHI University of Moratuwa, Sri Lanka	Report on the tsunami damage and reconstruction in Sri Lanka
Kenji KOSA Kyushu Institute of Technology, JSCE, Japan	Damage to bridges during the Off-Sumatra Earthquake
Hamzah LATIEF Institute of Technology Bandung, Indonesia	Report on the tsunami damage in Indonesia and its progress in disaster mitigation

Special Forum 3: Harmonization of Design Codes in the Asian Region
Organized by: JSCE

Based on the results of the ACECC Workshop which was held on November 4, 2006 in Taipei:

1 To discuss the necessity toward the harmonization of design code in the Asian Region and identify the problems.

2 To look for the possibility of design code that shall be formulated based on the common recognition in the Asian Region where natural conditions and disaster conditions are similar.

To share the information concerning the design code formulation with a global perspective beyond the bounds of countries or research fields.

Chair:

Yusuke HONJO
Professor, Gifu University, Japan

27June, 09:00 - 11:00, Room 201A

Author(s)	Title
Kenichi HORIKOSHI Secretary General, Committee on ACECC, JSCE, Japan	Introduction of the efforts toward harmonization of design code by ACECC
Hiroshi SHIMIZU CTI Engineering International Co., Ltd., Japan	Necessity of design code harmonization and expectation from a viewpoint of a practical engineer
Ha-Won SONG Yonsei University. Korea	Introduction of actual cases in formulation of Asian code
Chung-Tien CHIN Moh and Associates, Inc., Taiwan	Cooperative structure toward code harmonization in the geotechnical field
Nguyen Ngoc BA Vietnam Institute for Building Science and Technology, Vietnam	Reports from countries where codes are now being developed

Special Forum 4: High-Tech Industry for Sustainable Development
Organized by: CICHE

Since 1990's, Asia has become the fastest growing economy on earth. However, the fast growth places excessive demand on natural environment and strains the ecosystem. To deal with the sustainable growth issues, distinguishing high-tech leaders will share their experience and knowledge on taking up environmental, ecological, moral and social responsibilities while facilitating the economic development.

Moderator:

Dr. Si-Chen Lee
President, National Taiwan University

Speakers:

1. Dr. Jyuo-Min Shyr, Dean, College of Electrical Engineering and Computer Science, National Tsing-Hua University
2. Dr. Tsung-Tsong Wu, Deputy Chairman, National Science Council, Executive Yuan
3. Dr. Miin Wu, Chairman, Macronix International Co.,
4. Dr. Yen-Liang Yin, Chairman, Ruentex Groups.

ASCE Workshop/Tutorial on Quantitative Risk Assessment for Natural Hazard Mitigation
Organized by : ASCE

Session Chair:

Professor A. H-S. Ang,
University of California, Irvine

Presentations of Full Papers:

1. "Quantitative risk analysis applied to dams"
   Professor Eric Van Marcke, Princeton University
2. "Risk assessment for wind hazards"
   Professor Nasim Uddin, University of Alabama
3., "Quantitative earthquake risk assessment"
   Professor Anne Kiremidjian, S. Evangelos, and Renee Lee
   Stanford University
4. "Risk assessment for bridge decision making"
   Professor Dan Frangopol, Lehigh University
5. "An all hazards methodology for critical asset and portfolio risk analysis"
   Professor Bilal Ayyub and Mr. William McGill, University of Maryland
6. "Risk analysis of a protected hurricane prone region"
   Professor Bilal Ayyub, University of Maryland

Prepared Discussions:

1. Professor Hitoshi Furuta, Kansai University, Japan
2. Professor Hyo-Nam Cho, Hanyang University, Korea
3. Professor Xila Liu, Jiao Tong University, China
4. Professor Chin-Hsiung Loh, National Taiwan University, Taiwan
5. Professor Wilson Tang, Hong Kong University of Science & Technology
6. Dr. Benito Pacheco, Vibramatics, Philippines

General Discussions
Approval of Resolution on QRA in Engineering