

## Schedule

Society for Social Management Systems-Infrastructure and Environment- (SSMS2008) 6<sup>th</sup>-8<sup>th</sup> March

(Subject to change without notice)

Date	Time	Schedule
<b>Thursday, March 6th</b>	9:30-10:00	<b>Opening Ceremony</b>
	10:00-10:40	<b>*(Room A)Invited Lecture:</b> <i>The Framework of Sustainability for Engineering Design Considerations</i> by Dr. Patricia D Galloway, Chief Executive Officer of The Nielsen-Wurster Group, Inc. US, Former President of American Society of Civil Engineers, Chairperson of Society for Social Management Systems.
	10:40-11:20	<b>(Room A)Invited Lecture:</b> <i>Integration of Social Science, Engineering and Environmental Management -Case of a Sewerage for the Sustainable City-</i> by Prof. Masanori Fujita, President of Kochi National College of Technology, Japan
	11:20-11:40	<b>Break</b>
	11:40 -12:20	<b>(Room A)Invited Lecture:</b> <i>Toward Sound Decision Making on Water Resources Management in Asia</i> by Prof. Toshio Koike, The University of Tokyo, Japan
	12:30-13:30	<b>Lunch Break</b>
	14:00-17:30	<b>Excursion*</b>
	17:30-	<b>*(Water Fall) Reception</b>
	19:00-	
<b>Friday, March 7th</b>	9:00-10:00	<b>*(Room A1)Session</b> Water Resource Management(I) <b>*(Room A2)Session</b> Construction Management(I) <b>*(Room B1)Session</b> Modeling Human Psychologies for Designing Management Systems <b>*(Room B2)Session</b> Regional and Community Management(I)
	10:00-10:15	<b>Break</b>
	10:15-11:55	<b>*(Room A1)Session</b> Management in Private Sectors <b>*(Room A2)Session</b> Asset Management(I) <b>*(Room B1)Session</b> Risk Management(I) <b>*(Room B2)Session</b> Regional and Community Management(II)
	11:55-12:55	<b>Lunch Break</b>
	12:55-14:15	<b>*(Room A1)Session</b> Construction Management(II) <b>*(Room A2)Session</b> Asset Management(II) <b>*(Room B1)Session</b> Risk Management(II) <b>*(Room B2)Session</b> Water Resource Management(II)
	14:15-14:30	<b>Break</b>
	14:30-15:50	<b>*(Room A)Session</b> Interdisciplinary Knowledge Integration for Designing Management Systems <b>*(Room B)Session</b> Implementation of New Management Systems
	15:50-15:55	<b>Break</b>
	15:55-17:15	<b>*(Room A)Session</b> Environmental Concerns in Designing Management Systems <b>*(Room B)Session</b> Monitoring and Adjustment of Management Systems
	17:15-17:30	<b>Break</b>
	17:30-19:00	<b>*(Room A)Panel Discussion I ~Environmental Management~</b> <i>*Environmental Management of Land and Infrastructural Constructions after 921 Chi-Chi Earthquake and Subsequent Hazards</i> by Prof. Jenn Chuan Chern, National Taiwan University, Taiwan <i>*Basin Management Systems For Water-related Infrastructure Building Model Creation under Rapid Urbanization</i> by Prof Jun Matsushita,Shibaura Institute of Technology, Japan <i>*Environmental Management:The Case of Sri Lanka</i> by Prof. Ananda Jayawardane, Moratuwa University, Sri Lanka <i>* Web-Based Decision Support System for Regional and Community Water Resources Management</i> by Assoc. Prof. Sucharit Koontanakulvong, Chulalongkorn University, Thailand <i>*The Environmental Issue in Infrastructure Development Program: A Case Study in Indonesia as a Developing Country</i> by Dr. M. Syahril Badri K, Center for Disaster Mitigation of ITB, Indonesia
	19:00-	<b>*(Water Fall) Party</b>

<b>Saturday, March 8th</b>	9:30-11:00	<p><b>*(RoomB)Panel Discussion II</b></p> <p>~Integration of Social Science &amp;Engineering~</p> <p><i>*Integration of Social Science and Engineering: Recent Lesson from Road and Rail Tunnel Disasters</i> by Adj. Prof. Arnold E Dix, Queens University of Technology, Australia</p> <p><i>*Integration of Social Science &amp; Engineering –A Necessity for Sustainable Infrastructure Projects</i> by Dr. Kris R Nielsen, Chief Executive Officer and President of Pegasus Global Holdings, Inc, USA</p> <p><i>*Integration of Social Science &amp; Engineering- Applications of TELES</i> by Dr. Chu-Chieh Jay Lin, National Center for Research on Earthquake Engineering, Taipei</p> <p><i>*Need, Comfort, Elegancy</i> by Prof. Chou Lie Liung, Kochi University of Technology, Japan</p> <p><i>*Measuring, Reporting and Managing Intangible Resources</i> by Prof. ULF Johanson, Malardalen University, Sweden</p>
	11:00-11:30	Closing Ceremony

**Excursion\*:** Tour of Tsukasabotan CO.LD. Hotei Gallery (Kochi's traditional Sake brewing company)

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	Room A	Room B	Water Fall
9:30-10:00	Opening Ceremony		
10:00-10:40	Invited Lecture 1		
10:40-11:20	Invited Lecture 2		
	Coffee Break (20 min)		
11:40-12:20	Invited Lecture 3		
12:30-13:30	Lunch (60 min)		
14:00-17:30	Excursion		
17:30-			Reception (5F Water Fall)

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		Room A1	Room A2	Room B1	Room B2	Water Fall	
		Room A		Room B			
09:00-10:00	Sectoral Sessions	Water Resource Management (I) (3 presentations)	Construction Management (I) (3 presentations)	Modeling Human Psychologies for Designing Management Systems (3 presentations)	Regional and Community Management (I) (3 presentations)		
		Coffee Break (15 min)					
10:15-11:55		Management in Private Sectors (4 presentations)	Asset Management (I) (5 presentations)	Risk Management (I) (5 presentations)	Regional and Community Management (II) (4 presentations)		
		Lunch (60 min)					
12:55-14:15		Construction Management (II) (4 presentations)	Asset Management (II) (4 presentations)	Risk Management (II) (4 presentations)	Water Resource Management (II) (4 presentations)		
		Coffee Break (15 min)					
14:30-15:50	Cross-Sectoral Sessions	Interdisciplinary Knowledge Integration for Designing Management Systems (4 presentations)		Implementation of New Management Systems (4 presentations)			
		Coffee Break (5 min)					
15:55-17:15		Environmental Concerns in Designing Management Systems (3 presentations)		Monitoring and Adjustment of Management Systems (4 presentations)			
		Coffee Break (15 min)					
17:30-19:00		Panel Discussion I (Environmental Management)					
19:00-							Party

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	Room A
9:30-11:00	Panel Discussion II (Integration of Social Science & Engineering)
11:00-11:30	Closing Ceremony

**Invited lecture 3/6(Thursday) Room A****Time: 10:00am-12:20pm****Room A**

	Name	Affiliation/Title
	Patricia D Galloway	The Nielsen-Wurster Group, Inc. USA <i>The Framework of Sustainability for Engineering Design Considerations</i>
	Masanori Fujita	Kochi National College of Technology, Japan <i>Integration of Social Science, Engineering and Environmental Management -Case of a Sewerage for the Sustainable City-</i>
	Toshio Koike	The University of Tokyo, Japan <i>Toward Sound Decision Making on Water Resources Management in Asia</i>

**Session Program 3/7(Friday) Room A1****Time: 09:00am-10:00am****Room: A1**

<b>Water Resource Management(I)</b>		
<b>Session Leader: Seigo Nasu</b>		
Name	Affiliation/Title	
Yasuaki Watanabe	Kochi University of Technology, Japan <i>The Importance of Environmental Conservation-Lake Biwako's Case-</i>	
Asif Mumtaz Bhatti	Kochi University of Technology, Japan <i>Assessing the Potential of Remotely sensed Data for Water Quality Monitoring of Coastal and Inland Waters</i>	
Pongsak Suttinon	Kochi University of Technology, Japan <i>Household Water Demand Management Model By Using Input-Output Table with Impacts from Pricing Policy</i>	

**Time: 10:15am-11:55am****Room: A1**

<b>Management in Private Sectors</b>		
<b>Session Leader: Osamu Tomisawa</b>		
Name	Affiliation/Title	
Osamu Tomisawa	Kochi University of Technology, Japan <i>Re-energizing a Regional Small manufacturing Company Through Metamorphosis into Autonomous Business from a Subcontractor-A Case Study of a Technology Oriented Enterprise-</i>	
Hiroshi Fukushima	Saga University, Japan <i>On the Formation of Production Networks of Small Binocular Manufacturers in Japan's Early Postwar Period</i>	
Koki Kishikawa	Saga University, Japan <i>A Study of the Statement of Comprehensive Income~~Relating the Problem of Recycling~~</i>	
Jun Yao	Kobe University, Japan <i>Company Intangibles Information and Its Usefulness in Corporate Investment Decisions:Japanese Cases</i>	

**Time: 12:55pm-14:15pm****Room: A1**

<b>Construction Management(II)</b>		
<b>Session Leader: Shunji Kusayanagi</b>		
Name	Affiliation/Title	
Taichiro Baba	Kochi University of Technology, Japan <i>Improvement of Implementation Systems of Public Works in Kochi Prefecture</i>	
Shunji Kusayanagi	Kochi University of Technology, Japan <i>Internationalizing the Japanese Construction Industry: Issues and Recommendations</i>	
Micheal Henry	The University of Tokyo, Japan <i>A Social Networking-Based Approach to Information management in Construction</i>	
Masayuki Aizawa	Nippon Koei Co., Ltd. <i>A Study of the Cultural Strategy on Preservation and Development</i>	

**Session Program 3/7(Friday) Room A2****Time: 09:00am-10:00am****Room: A2**

<b>Construction Management(I)</b>	
<b>Session Leader: Shunji Kusayanagi</b>	
Name	Affiliation/Title
Takashi Goso	Kochi University of Technology, Japan <i>A Study on Construction Management Contract for Construction Project in Japan</i>
Rajendra Niraula	Kochi University of Technology, Japan <i>Making Claim/Dispute Management System in Japanese Public Works Construction Compatible with International Construction Market</i>
Arief Setiawan Budi Nugroho	Hokkaido University, Japan <i>Study of Cast-in-place Mortar Compared to Brick and Mortar-block System for Wall Work of Low Cost Housing Construction in Indonesia</i>

**Time: 10:15am-11:55am****Room: A2**

<b>Asset Management(I)</b>	
<b>Session Leader: Masahiro Ouchi</b>	
Name	Affiliation/Title
Theeraphong Chanpheng	Yokohama National University, Japan <i>Katsushika-Harp Bridge: Vibration Monitoring During Earthquakes and Results</i>
Chu-Chieh J. Lin	National Center for Research on Earthquake Engineering, Taipei, Taiwan <i>Structural Health Dignosis/Monitoring Using Neural Networks for Cable-Stayed Bridge Management System</i>
Chikako Fujiyama	The University of Tokyo <i>Present Achievement and Future Possibility of Fatigue Life Aimulatio Technology for Real RC Bridge Deck Slab</i>
Akihito Hata	Taisei Corporation, Japan <i>Development Of LCC Evaluation System For Civil Engineering Infrastrucures</i>
Yukihiro Ishihara	Giken Seisakusho Co., Ltd., Japan <i>Study on Development of the Pile Penetration Test System Based on Press-In Construction Data</i>

**Time: 12:55pm-14:15pm****Room: A2**

<b>Asset Management(II)</b>	
<b>Session Leader: Kengo Anami</b>	
Name	Affiliation/Title
Kengo Obama	Osaka University, Japan <i>Asset Management System for Educational Facilities Considering the Heterogeneity in Deterioration Process</i>
Yasuhito Sakai	Hanshin Expressway Company, Japan <i>A New Approach to Efficient Road Maintenance of Urban Expressways: Based on the HEML(Hanshin Expressway Logic Model)</i>
Yoshihiro Tsunekawa	Soai co.,ltd, Japan <i>Study of Constructing Asset Management Systems for Ground Anchor</i>
Masato Miyata	Kochi University of Technology, Japan <i>Enhanced Functionality for an Existing Bridge Management System</i>

**Session Program 3/7(Friday) Room B1****Time: 09:00am-10:00am****Room: B1**

<b>Modeling Human Psychologies for Designing Management Systems</b>		
<b>Session Leader: Yoshinori Nakagawa</b>		
	<b>Name</b>	<b>Affiliation/Title</b>
	Tsuyoshi Kariya	Kochi University of Technology, Japan <i>Construction of Methodology Concerning Plan of Policy and Measures and Administrative Management System</i>
	Kotomi Uemoto	Kochi University of Technology, Japan <i>Method of Evaluating the Feeling of Burden Experienced by Caregivers: From Concept of System Maintenance</i>
	Yuta Kawarazaki	Kochi University of Technology, Japan <i>Structure of the Citizen Consciousness for an Antiseismic Reinforcement Spread Design of Policy</i>

**Time: 10:15am-11:55am****Room: B1**

<b>Risk Management(I)</b>		
<b>Session Leader: Masataka Takagi</b>		
	<b>Name</b>	<b>Affiliation/Title</b>
	Kyaw Sann Oo	Kochi University of Technology, Japan <i>Geometric Error Assessment on Satellite Imagery for GIS Analysis</i>
	Tomonori Miyazaki	Kochi University of Technology, Japan <i>Accurate Geometric Transformation of Laser Scanner Data for Landslide Monitoring</i>
	Takahiro Nakagawa	Kochi University of Technology, Japan <i>Three Dimensional Measurement by Satellite Remote Sensing for Disaster Monitoring</i>
	Daisaku Tachibana	Kochi University of Technology, Japan <i>A Fundamental Study on Casual Relationship Associated with Geological Risk in Japan</i>
	Tsunemi Watanabe	Kochi University of Technology, Japan <i>A Framework of Watershed Management from the Viewpoints of Project Risk Management</i>

**Time: 12:55pm-14:15pm****Room: B1**

<b>Risk Management(II)</b>		
<b>Session Leader: Masataka Takagi</b>		
	<b>Name</b>	<b>Affiliation/Title</b>
	Yasuhide Nigauri	Kobe University, Japan <i>Importance of Active Fault Research for Earthquake Motion Prediction</i>
	Hidefumi Ikeda	National Institute for Land and Infrastructure Management (NILIM), Japan <i>Impact on Passenger and Cargo Flow Caused by the Functional Decline of the International Airport</i>
	Masaru Morita	Shibaura Institute of Technology, Japan <i>Optimal Flood Protection Level for Flood Control Infrastructure Construction in the Framework of Risk Management</i>
	Toshiyuki Ikuma	Dia Consultants Corporation, Japan <i>A case Study of the Geological Risk Management using Suitable Investigation in Mountain Tunneling</i>

**Session Program 3/7(Friday) Room B2**

**Time: 09:00am-10:00am**

**Room: B2**

<b>Regional and Community Management(I)</b>		
<b>Session Leader: Shinsuke Nakata</b>		
Name	Affiliation/Title	
Midori Enomoto	Kyushu University, Japan <i>A Case Study on the Preservation Process of Meijibashi Bridge as an Industrial Heritage in Comparison with Chikugo River Lift Bridge</i>	
Feng Liu	Kochi University of Technology, Japan <i>Establishment of Regional Culture for Preventing Depopulating Laborers-----Case of Regional Development in Yaeyama Islands in Japan</i>	
Yoko Mohri	Kumamoto University, Japan <i>A Street Design as a Device to Cultivate Attachment of Inhabitants</i>	

**Time: 10:15am-11:55am**

**Room: B2**

<b>Regional and Community Management(II)</b>		
<b>Session Leader: Shinsuke Nakata</b>		
Name	Affiliation/Title	
Peiqian Liu	Kochi University of Technology, Japan <i>Regional Development in Yaeyama Islands(1): Growing Entrepreneurship and Evolving Community</i>	
Kota Masuyama	Kumamoto University, Japan <i>Effect of Redevelopment Around the Station in Local Cities</i>	
Marc Milian Sanguesa	Kochi University of Technology, Japan <i>Past, Present and Future of Municipal Solid Waste Management in Spain</i>	
Makoto Hirano	Kochi University of Technology, Japan <i>Global Collaboration and Technology Impact for Regional Development- A Successful Case in Japanese Flower Industry-</i>	

**Time: 12:55pm-14:15pm**

**Room: B2**

<b>Water Resource Management(II)</b>		
<b>Session Leader: Tsunemi Watanabe</b>		
Name	Affiliation/Title	
Bin He	The University of Tokyo, Japan <i>Analysis of Groundwater Resources Vulnerability from Agricultural Activities in the Largest Irrigation District Along the Yellow River</i>	
Xiaohong Zhang	Wuhan University, China <i>Crisis Analysis and Safety Strategy Assessment for the Sustainable Water Resource Development in China</i>	
Pongsak Suttinon	Kochi University of Technology, Japan <i>Agricultural Water Demand Prediction Model by Using Input-Output Table with Impacts from Declared Strategy of Thailand</i>	
Katsuya Mita	Tokyo University of Science, Japan <i>Significance of Visual Test and Hammering Test to Manage Concrete Structure Durability</i>	



**Session Program 3/7(Friday) Room A**

**Time: 14:30pm-15:50pm**

**Room: A**

<b>Interdisciplinary Knowledge Integration for Designing Management Systems</b>		
<b>Session Leader: Seigo Nasu</b>		
Name	Affiliation/Title	
Ryoma Hiraoka	Kochi University of Technology, Japan <i>Agricultural Administration System for Red Soil Protection</i>	
Hirotohi Kurata	Kochi University of Technology, Japan <i>“Optimization” of Dam Operation Rule to Improve Water Environment in Monobe River</i>	
Seigo Nasu	Kochi University of Technology, Japan <i>Development of Sustainable Community Management System Applying Conversion Technology of Forest Resources to Energy</i>	
Suhar Yanto	Shibaura Institute of Technology, Japan <i>A Sustainable Intergrated Stream Water Quality Control System: A Challenge for Developing Countries(Case of Citarum River Basin with Some Lessons Learned from Dutch Experience)</i>	

**Time: 15:55pm-17:15pm**

**Room: A**

<b>Environmental Concerns in Designing Management Systems</b>		
<b>Session Leader: Tsunemi Watanabe</b>		
Name	Affiliation/Title	
M . Syahril Badri k	Center for Disaster Mitigation of ITB, Indonesia <i>The Environmental Issue in Infrastructure Development Policy or Program: A Case Study in Indonesia as a Developing Country</i>	
Yuta Inoue	Kochi University of Technology, Japan <i>An Attempt to Develop a Management Model of Forest Ecosystems in Kochi</i>	
Hiroki Obata	Kochi University of Technology, Japan <i>Study for Integration and Adjustment of Environmental Improvement Activity in Monobe River Valley</i>	

**Panel Discussion(I) 3/7(Friday) Room A**

**Time: 17:30pm-19:00pm**

**Room: A**

<b>Environmental Management</b>		
<b>Coordinator: Jun Matsushita</b>		
Name	Affiliation/Title	
Jenn Chuan Chern	National Taiwan University, Taiwan <i>Environmental Management of Land and Infrastructural Constructions after 921 Chi-Chi Earthquake and Subsequent Hazards</i>	
Jun Matsushita	Shibaura Institute of Technology, Japan <i>Basin Management Systems For Water-related Infrastructure Building Model Creation under Rapid Urbanization</i>	
Ananda Jayawardane	Moratuwa University, Sri Lanka <i>Environmental Management: The Case of Sri Lanka</i>	
Sucharit Koontanakulvong.	Chulalongkorn University, Thailand <i>Web-Based Decision Support System For Regional and Community Water Management</i>	
M . Syahril Badri k	Center for Disaster Mitigation of ITB, Indonesia <i>The Environmental Issue in Infrastructure Development Program: a Case Study in Indonesia as a Developing Country</i>	

**Session Program 3/7(Friday) Room B****Time: 14:30pm-15:50pm****Room: B**

<b>Implementation of New Management Systems</b>		
<b>Session Leader: Masahiro Ouchi</b>		
Name	Affiliation/Title	
Kenetsu Uchida	Hokkaido University, Japan <i>A Study on Feasibility Evaluation of Heat and Electricity Supply Project by Gas Cogeneration System</i>	
Norihisa Miyamoto	Kyushu University, Japan <i>A Study on Optimum Life Cycle Cost Focusing Bridge Maintenance for Japanese Local Governments -A Case Study in Fukuoka City, Japan-</i>	
Vuong Tu	The University of Queensland, Australia <i>The Use of Risk &amp; Opportunity Assessment Tools in Infrastructure Project: A Knowledge Creation Model's Viewpoint and Its Implications</i>	
Tadashi Okutani	National Institute for Land and Infrastructure Management (NILIM), Japan <i>Case Study of Consensus Building for Enhancement of the Regional Disaster Resistance</i>	

**Time: 15:55pm-17:15pm****Room: B**

<b>Monitoring and Adjustment of Management Systems</b>		
<b>Session Leader: Masahiro Ouchi</b>		
Name	Affiliation/Title	
Masaya Hanawa	National Institute for Land and Infrastructure Management (NILIM), Japan <i>Indicators and Data Collection to Support Performance Measurement System</i>	
Tony C. Liu	National Taiwan University, Taiwan <i>Infrastructure Renewal and Management Research in Taiwan</i>	
Shinsuke Setoshita	National Institute for Land and Infrastructure Management (NILIM), Japan <i>Traffic Accident Measure Management Based on the PDCA Cycle</i>	
Luh Maan Chang	National Taiwan University, Taiwan <i>Peer Review in Cleanroom Facility Engineering and Management</i>	

**Panel Discussion(II) 3/8(Saturday) Room B**

**Time: 09:30am-11:00am**

**Room:B**

<b>Integration of Social Science &amp; Engineering</b>		
<b>Coordinator: Kris R Nielsen</b>		
	<b>Name</b>	<b>Affiliation/Title</b>
	Arnold E Dix	Queens University of Technology, Australia <i>Integration of Social Science and Engineering: Recent Lesson from Road and Rail Tunnel Disasters</i>
	Kris R Nielsen	Pegasus Global Holdings, Inc, USA <i>Integration of Social Science &amp; Engineering – A Necessity for Sustainable Infrastructure Projects</i>
	Chu-Chieh J. Lin	National Center for Research on Earthquake Engineering, Taipei, Taiwan <i>Integration of Social Science &amp; Engineering – Applications of TELES</i>
	Chou Lie Liung	Kochi University of Technology <i>Need, Comfort, Elegancy</i>
	ULF Johanson	Malardalen University, Sweden <i>Measuring, Reporting and Managing Intangible Resources</i>

