

**International Symposium on Advances in Civil and Environmental  
Engineering Practices for Sustainable Development,  
Faculty of Engineering, University of Ruhuna, Galle, Sri Lanka  
27<sup>th</sup> September 2013**

List of Participants from Saitama University

<u>Staff</u>	<u>Graduate student</u>
Prof. Ken Kawamoto	Mr. Hiroyuki Ohata
Assoc. Prof. Shingo Asamoto	(Mr. Aki Onai)
Asst. Prof. Junji Yagisawa	
Asst. Prof. Eichi Furusato	

Saitama University, Japan (SU), University of Moratuwa, Sri Lanka (UoM), University of Peradeniya, Sri Lanka (UoP) and University of Ruhuna Sri Lanka, (UoR)

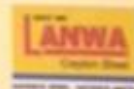


**ACEPS-2013**

***Proceedings of International Symposium on  
Advances in Civil and Environmental Engineering  
Practices for Sustainable Development***



**Faculty of Engineering, University Ruhuna, Galle, Sri Lanka  
27<sup>th</sup> September 2013**



**International Symposium on Advances in Civil and Environmental Engineering  
Practices for Sustainable Development, Faculty of Engineering, University of Ruhuna,  
Galle, Sri Lanka**

Time	Inaugural Session
7.45 – 8.15	Symposium Registration
8.15 – 8.30	Arrival of guests
8.30 – 8.40	Lighting of the oil lamp
8.40 – 8.50	Welcome speech – Dean, Faculty of Engineering
8.50 – 9.00	Address by the Deputy Vice-Chancellor, University of Ruhuna
9.00 – 9.10	Address by the Chief Guest – Vice-Chancellor, University of Ruhuna
9.10 – 9.55	Keynote Speech: Prof. Shingo Asamoto
9.55 – 10.00	Vote of Thanks- Symposium Co-Chair (Head –Department of Civil and Environmental Engineering)
10:00 to 10:30	Refreshments

Time	Technical Session I				
10.30 to 11:15	Keynote	<b>Prof. Yoichi Kubota</b> , <i>Creation of Smart Landscape by Innovative Design of Infrastructure for Sustainable Future - Thoughts and Methodology for the Design of Idiosyncratic Bridges in Japan -</i>			
		<b>Solutions for Challenges in Infrastructure Planning and Development</b>	<b>Sustainable Built Environment</b>		
<b>Parallel Sessions</b>		<b>IA</b>	<b>IB</b>		
11.15 to 12:45	Technical Papers	A1-1	Effects of Age and Sex on Pedestrian Crossing Speed Southern Sri Lanka	B1-1	Use of Bottom Ash as Fine Aggregate in Manufacturing Concrete Paving Blocks
		A1-2	An Evaluation of Knowledge Management Techniques in Construction Industry in Sri Lanka	B1-2	Prediction Methods of Stress Life Curves for Various Stress Ratios for Steels in the High Cycle Region
		A1-3	Applicability of Earn Value Management in Sri Lankan Construction Projects	B1-3	Map a Internal Elements in Concrete Slab and Compare with GPRMAX Model
		A1-4	Investigation of Geotechnical characteristics of Galle Fort Rampart	B1-4	Seismic Retrofitting of Non-Engineering Masonry Houses using Polypropylene Band Meshes
		A1-5	Health Hazards, Risk factors and Safety Practices in Construction Sites –A Review Study	B1-5	Dynamic Loading Vulnerability Assessment of Multi-storey Buildings: Case Study of Sri Lanka Telecom Head Office Building
		A1-6	Views along Gunsight: Evolution and Utilizability of Defense lines of Galle Fort as Landscape View Points	B1-6	Structural performance of a novel technique for repairing reinforced concrete slabs subjected to corrosion damage
12:45 to 14:30	<b>Lunch</b>				

Time		Technical Session II			
14.30 to 15.15					
	Keynote	<b>Prof. Tomonori Kawakami</b> , <i>Well Water Quality in 14 districts in Sri Lanka - A collaboration research between Sri Lanka and Japan -</i>			
		<b>Advances in Environmental Engineering and Hydraulics</b>		<b>Special Session for SATREPS</b>	
<b>Parallel Sessions</b>		<b>IIA</b>		<b>IIB</b>	
15.15 to 16.00	Technical papers	IIA-1	Influence of Water Availability on the Growth and morphology of Invasive Plant, Mikania micrantha Kunth	IIB-1	Selection of Land Disposal Sites for Solid Waste Using GIS and Risk Assessment Theories: A Case study for Kandy District, Sri Lanka
		IIA-2	A Study on Interrelations between Mangrove Ecosystem and Local Community on Ecosystem Sustainability: A Case Study in Maduganga Mangrove Estuary, Sri Lanka.	IIB-2	Effect of Soil-Water Content and Soil-Matric Potential on the Kinetics of Methane Oxidation for Compost Mixed Final Cover Soils
		IIA-3	Suggestions to Improve the Performance of Water Treatment Plants in Sabaragamuwa Province	IIB-3	Effect of water film thickness on the degree of water repellency for hydrophobized sand grains
16.00 to 16.30	Refreshments				
16.30 to 18.15	Technical papers	IIA-4	Role of Soil Moisture and Nutrient Availability in Determining the Morphology and Biomass Partitioning Patterns of Colocasia esculenta Grown in an Agricultural Wetland	IIB-4	Treatment of Organic Matter in Landfill-Leachate by Permeable Reactive Barriers with Organic Reactive Media
		IIA-5	Effect of Cross Slope behind Stream-wise Groins on Wave Breaking Type and Change of Bed Topography	IIB-5	Shrinkage characteristics of clay liner materials
		IIA-6	Effect of Porosity of Calculation Grid and Drag Coefficient of Houses on Accuracy in a Numerical Simulation of Flood Inundation	IIB-6	Leachate Treatment Potential with Stabilization Ponds
		IIA-7	Assessment of Water Quality in the Downstream of Nilwala River	IIB-7	Groundwater Level Fluctuation in an Open Solid Waste Dumpsite: A Case Study in Udapalatha PS, Central Province, Sri Lanka

				IIB -8	Treatment of Leachate from MSW Landfills Using Sequencing Batch Reactor
				IIB-9	Incineration as a Solution to Healthcare Waste for Hospitals in Central Province
				IIB-10	Leachate Treatment by Constructed Wetland System

19:30	<b>Symposium Dinner</b>
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<Photographs>

**Friday, September 27 2013 at University of Ruhuna**

International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development, Faculty of Engineering, University of Ruhuna, Galle, Sri Lanka



オープニングセレモニーの様子  
(オイルランプへの参加 (川本教授))



オープニングセレモニーの様子  
(オイルランプへの参加 (浅本准教授))



オープニングセレモニーの様子  
(オープニングアドレスで壇上に登った各大学主要メンバー)



浅本准教授によるKeynote lecture



八木澤助教による発表



古里助教による発表



大学院生(小内堯君)による発表

<ACEPS 以外での研究活動>



JASSO 派遣学生(大島寛之君)による  
ルフナ大学での実験の様子



ゴミ処分場の見学1



ゴミ処分場の見学2