



INTERNATIONAL SYMPOSIUM

CERRM UMP - YAMAGUCHI UNIVERSITY, JAPAN

17 - 18 Oktober 2016

The Zenith Hotel, Kuantan

Limited Seats Available

**7 CPD
POINTS
AWARDED**

**"Earth Resources'
Technology & Management"**

CONTACT US

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At the modern stage of development, people are quite aware of the necessity to establish relations with nature according to the principles of 'sustainable development' offered by the United Nations Conference on Environment & Development (Earth Summit) held in Rio de Janeiro in 1992 as the main direction for the world community. The success of future actions to be undertaken at the national and global levels can be achieved only with an application of the comprehensive system which includes technology for the earth resources management.

PROGRAMME TENTATIVE

SESSION I, (MONDAY, 17th OCTOBER 2016)

- 08:45 – 09:00 : Registration
- 09:00 – 09:30 : Arrival of Invited guest & Opening Ceremony
- 09:30 – 10:30 : **Paper 1:** Geotechnical Properties of Kuantan Bauxite In Accordance With IMSBC Code
Dr. Muzamir Hasan, Director, CERRM UMP
- 10:30 – 11:00 : Coffee Break
- 11:00 – 12:00 : **Paper 2:** Challenge for Methane Hydrate Production by Geotechnical Engineering
Professor Masayuki Hyodo
Professor, Dept. of Civil & Environmental Engineering Yamaguchi University
- 12:00 – 13:00 : **Paper 3:** Sustainable Lightweight Concrete
Dr. Khairunisa Muthusamy
Research Fellow, CERRM UMP
- 13:00 – 14:00 : Lunch
- 14:00 – 15:00 : **Paper 4:** Study on the Effective Utilization of Flood Hazard Map
Professor Asai Koji
Professor, Yamaguchi University
- 15:00 – 16:00 : **Paper 5:** Microbial Fuel Cell [MFC] For Bioelectricity Generation from Organic Wastes
Associate Professor Dr. Azizul Moqsud
Associate Professor, Dept. of Civil & Environmental Engineering, Yamaguchi University
- 16:00 – 16:30 : Coffee Break & End of Session I

SESSION II, (TUESDAY, 18th OCTOBER 2016)

- 09:00 – 10:00 : **Paper 6:** SKK Method for the Improvement of Soft Ground
Mr. Shigeyoshi Takahashi
President, Asahi Techno Corp, Japan
- 10:00 – 11:00 : **Paper 7:** To Be Confirmed
Professor Liew Kian Heng
Owner Liew Strategies
- 11:00 – 11:30 : Coffee Break & End of Session II

SPEAKERS



Dr. Muzamir Hasan is senior lecturer at Faculty of Civil Engineering & Earth Resources, Universiti Malaysia Pahang (UMP) where joined as lecturer since 2006. Currently, he is the Director at Centre for Earth Resources Research & Management (CERRM) and also UMP senate member. From 2014 to 2016, he was appointed as Head of Department Geotechnical & Infrastructure Engineering at Faculty of Civil Engineering & Earth Resources UMP. Dr. Muzamir is a member of Malay College Old Boys Association (MCOBA), Malaysian Geotechnical Society (MGS), Institution of Engineers Malaysia (IEM) and Board of Engineers Malaysia (BEM). He is also appointed as committee member for Technical Committee on Geo-Mechanics from Micro to Macro (TC105), in International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). He was appointed as Visiting Fellow at Department of Civil Engineering, Yamaguchi University in 2015. He obtained B.Eng. (Civil) in 2005, M. Eng. (Geotechnics) in 2006 and Ph.D (Civil Engineering) in 2013 from Universiti Teknologi Malaysia. His research interests include Ground Improvement, Soil Properties, Geotechnical Engineering, Geo-Environmental Engineering, Liquefaction and Bauxite Properties. He produces numerous research papers and has given many invited talks and lectures on his research area.



Khairunisa Muthusamy is a senior lecturer who has been involved in teaching and research activities for almost 10 years in the Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang. She obtained B.Eng. (Civil) in 2001, M. Eng. (Construction and Management) in 2003 and Ph.D (Civil Engineering) in 2009 from Universiti Teknologi Malaysia. Since then, she has been actively involved in environmental friendly concrete research. She has published almost of a number of journal papers and conference proceedings related to concrete research. Her keen interest in exploring the potential of local waste materials especially from palm oil industry for concrete use has resulted in development of green lightweight concretes. Her research product has won gold award in CITREX 2016 and silver award for green technology category in BIOMALAYSIA 2016 Exhibition. She is also the member of Board of Engineers Malaysia and Concrete Society of Malaysia.



Masayuki Hyodo is Professor at Department of Civil Engineering, Yamaguchi University, where he has been since 1986. Currently, he is the Chairman of Technical Committee on Geo-Mechanics from Micro to Macro (TC105), in International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) since 2010. He also currently serves as Head of East Asian International Course, Department of Civil Engineering, Yamaguchi University. During 2001-2002 and 2004-2005, he was appointed as Head of Department of Civil Engineering in Yamaguchi University. He was appointed as Visiting Fellow at the Norwegian Geotechnical Institute in 1992. He received B.Eng. (Civil) in 1974, M. Eng (Geotechnical Engineering) in 1976 and Ph.D (Civil) in 1979 from Kyushu University. He is also a professional engineer in Japan and active member in Japanese Geotechnical Society, Japanese Society for Civil Engineers, Japan Association for Earthquake Engineering, and many more. His research interests centre on Soil Dynamics, Mechanical Properties of Crushable Soils, Mechanical Properties of Silts and Clays, Mechanical Properties on Methane Hydrate, On-Line Seismic Response Analysis on Soil and Structure Interaction. He has made numerous contributions to Geotechnical Engineering, produces numbers of research papers and has given numerous invited talks and lectures all around the world.



Shigeyoshi Takahashi is the President and CEO of Asahi Techno Co. Ltd. which is a leading construction and ground improvement company in Japan. The company created a lot of state-of-the-art construction related innovative technology and one of it is Super Well Point (SWP) Method to decrease the ground water table for construction purpose. Their main office is in Iwate Prefecture and they have branches in Sapporo, Morioka, Sendai, Tokyo, Nagoya, Osaka, Hiroshima and Fukuoka. Asahi Techno Co. Ltd. involved in many major construction projects in Japan; and currently working on the construction of water gates at major tsunami-hit area in Tohoku.



Asai Koji is Professor at Department of Civil Engineering, Yamaguchi University, where he joined the department in 1997. Previously, he attached to Kyushu University as a research associate from 1991 to 1996 and at Chugoku National Industrial Research Institute as a special researcher. His research areas are computational hydraulics, disaster prevention hydraulics and environmental hydraulics. He received B.Eng. in 1986 from Yamaguchi University; and M. Eng in 1988 and Ph.D in 1995 from Kyushu University.



Azizul Moqsud is Professor at Department of Civil Engineering, Yamaguchi University, since 2013. Prior to that, he worked as an Associate Professor in Institute of Lowland and Marine Research, Saga University, Japan. He did his postdoctoral research under JSPS in Kyushu University. He received B.Eng. in 2001 from Khulna University of Engineering & Technology, Bangladesh; and M. Eng from Bangladesh University of Engineering & Technology, Bangladesh in 20013 and Ph.D in 2007 from Saga University. Having scholastic achievements both in academics and in research throughout his career, Dr. Azizul Moqsud is one of the global leaders in the field of Geo-environmental and Environmental Engineering. He is an innovative young man with lot of dreams. His aim in life is to build a beautiful and joyful world for future generation. His research interests involve Geo-environmental Engineering, Green energy, Microbial Fuel Cell, Bioremediation, Organic waste management : Composting and Biogas.



Professor. Liew Kian Heng is a graduate of NUS in B. Eng (Hons) (Civil), Msc (Civil Eng), a post-graduate of Nanyang Business School in MBA (MIT/NTU) and he holds a doctorate on strategic management of infrastructural developments. He is a Professional Engineer in practice undertaking infrastructural engineering and strategic management of developments. He was appointed as consultant to Bechtel on master plan of Jurong Island on reclamation, infrastructure design, amenities siting, land parcellation and foreshore marine structures. Involved in master plan of industrial estates, agro-technology parks, bulk cement handling & storage in port, port enhancement, container port expansion and coal terminal/container port facilities. He initiated the proposal to open up sea sand supplies to SMEs in Singapore for land reclamation to JTC in 2007 and was awarded the "first mover advantage" contract jointly with a consortium by JTC in 2008. He is also the advisor to consortia on resources supply chain such as sea sand for reclamation projects, providing services to secure sea sand supply from sources to reclamation sites. Dr. Liew also serves as the Chairman, Development and Building Committee of HCI and he is an interview panel member on qualifying Professional Engineers by PEB and the advisor to JTC Alumni.