IMIP 2015

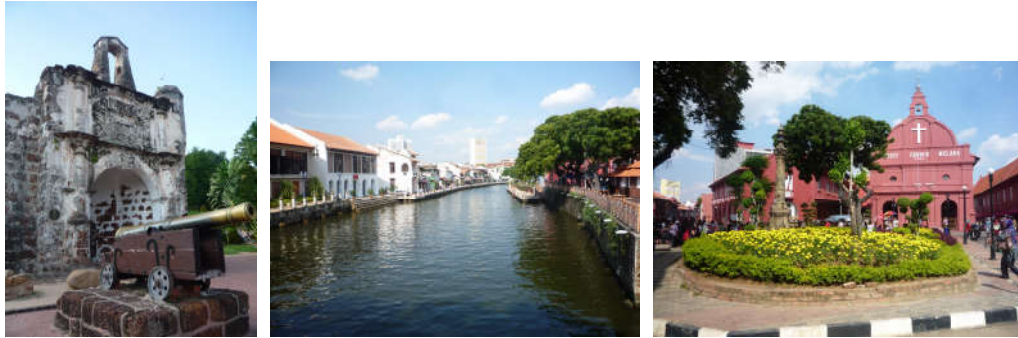## Multimedia University

29 – 31 October   Melaka   *Malaysia*

AGENDA

The International Symposium on

Innovative Management, Information & Production 2015

Initiated by

International Society of Management Engineers, Waseda University, Japan

Organized by

Multimedia University, Malaysia   National Chengchi University, Taiwan   Zhejiang Gongshang University, China

Sponsored by

International Journal of Innovative Management, Information & Production

International Journal of Intelligent Technologies and Applied Statistics

Journal of Advanced Computational Intelligence and Intelligent Informatics

Preface

It is a great pleasure that we announce, on Oct 29, 2015, the opening of the international symposium of Innovative Management, Information and Production 2015 (IMIP2015) at Multimedia University, Melaka Campus, Malaysia.

Melaka is the starting point of modernizing Malaysia when Portuguese arrived here in 1511. Even though Malaysia was found various people previously, the meeting with Portuguese is one of the most epoch making in the Malaysian history. It was to meet Europe. In the sense, Multimedia University also plays a pivotal role in modernizing the Malaysia industries. As well as intelligent technology and modern production, multimedia technologies are quite important. The university plays such a key role in Malaysia.

We are very much pleased to provide concepts of and discuss about Innovative Management, Information and Production for modern industries and economics in Malaysia.

We announce that we have been starting the World Collaborative Innovation Center of Management Engineering www.wcicme.com in parallel to IMIP and ISME. The collaborative innovation has an important concept in pushing global industries and economy. This center will play a key role globally. One is to provide various research projects as well as collaborative symposiums.

We hope this symposium can enable us to start our modernization in the central manufacturing country, Malaysia, in all over the world.

Junzo WATADA, Waseda University, Japan
Siong Hoe LAU, Multimedia University, Malaysia

International Symposium on Innovative Management, Information & Production 2015

Symposium Committee

General Chairs

Co-Chair	Watada, Junzo	Japan
Co-Chair	Lau, Siong Hoe	Malaysia

Advisory Committee

	Nguyen, Hung T	USA

International Progam Committee

Chair	Huarng, Kun-Huang	Taiwan
	Agarawal, Aman	India
	Bouchon-Meunier,	France
	Choi, Jaeseok	Korea
	Chung, Chan Sup	Korea
	Denoeux, Thierry	France
	Dhompongsa, Sompong	Thailand
	Ding, Liya	Macau
	Gil, Maria Angeles	Spain
	Grzegorzewski,	Poland
	Gupta, K. Arjun	India
	Ishii, Hiroaki	Japan
	Jirousek, Radim	Czech
	Khalid, Marzuki	Malaysia
	Koczy, Laszlo T	Hungary
	Kumar, Kuldeep	Australia
	Langrand, Claude	France
	Lee, Oesook	Korea
	Leung, Kwongsak	Hong Kong
	Li, Jinhua	China
	Li, Ronald	China
	Li, Shoumei	China
	Lin , Yuan Horng	Taiwan
	Moutinho, Luiz	UK
	Novak , Vilem	Czech
	Santiprabhob, Pratit	Thailand
	Shary, P. Sergey	Russia
	Shiizuka, Hisao	Japan
	Sriboonchitta, Songsak	Thailand
	Sugeno, Michio	Japan
	Takeda, Fumiaki	Japan
	Tan, Choo Jun	Malaysia
	Tay, Kai Meng	Malaysia
	Tran, Lanh	USA
	Wang, Qingshi	China
	Wang, Shaoping	China
	Yager, Ronald	USA
	Yap, Hwa Jen	Malaysia
	Yap, Keem Siah	Malaysia
	Zhao, Guoqing	China

Publicity Committee

Co-Chair	Xu, Bing	China
Co-Chair	Lim, Chee Peng	Australia

Organizing Committee

Co-Chair	Wu, Berlin	Taiwan
Co-Chair	Tan, Shing Chiang	Malaysia
	Azman, Afizan	Malaysia
	Chong, Siew Chin	Malaysia
	Goh, Pey Yun	Malaysia
	Kannan,	Malaysia
	Lee, Chin Poo	Malaysia
	Lew, Sook Ling	Malaysia
	Ong, Lee Yeng	Malaysia
	Ooi, Shih Yin	Malaysia
	Pang, Ying Han	Malaysia
	Razak, Siti Fatimah	Malaysia
	Tan, Choo Kim	Malaysia
	Wee, Kuok Kwee	Malaysia

PROGRAM SCHEDULE

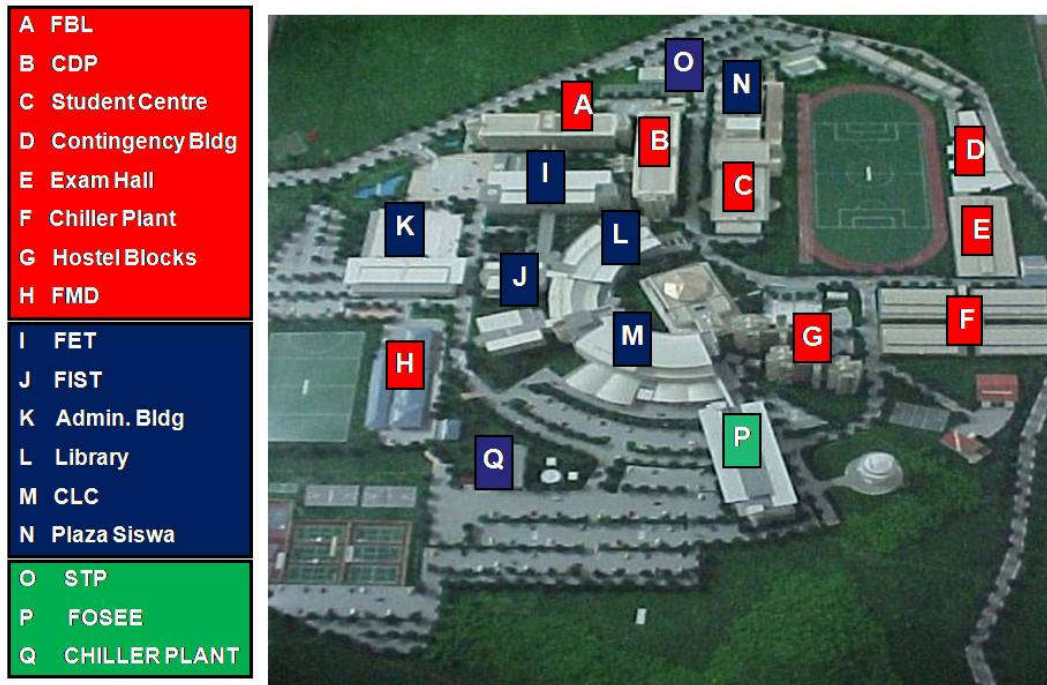| 29-Oct	Thursday		
9:00-17:00	Registration　　　Convention Hall		
9:30-10:00	Opening		
10:00-10:50	KEYNOTE 1 Room I Chair: *Lau Siong Hoe*	**Building Mesh-based Granular Regression Model** *Junzo Watada, Waseda University*	
10:50-11:10	Coffee Break		
11:10-12:00	KEYNOTE 2 Room I Chair: *Junzo Watada*	**An Emerging Era of Big Data** *Shohel Sayeed, Multimedia University*	
12:00-14:00	Lunch		
14:00-15:30	Session A1 Room1 Chair: **Shohel Sayeed**	a11	**Growth Empirics with a New Path Identification Approach** *Bing Xu, Qiuqin He, Huangxiang Zhang*
		a12	**T Comparison of International Differences in the Volatility of Economic Growth and Non-Performing Loan Ratio: A Statistical Study Based on the Quantile Regression Model** *Song Qin, Zhenlei Wang*
		a13	**The Importance of The Balance between Leading Players and Supporting Staffs in a Team: A Simulation using Agent–Based Model "Die Mannschaft"** *Nathamon Tayutivuthikul, Komsan Suriya and Siriporn Srichoochart*
14:00-15:30	Session B1 Room 2 Chair: **Wooi Ping Cheah**	b11	**Building a Sensitivity based Portfolio Model** *Junzo Watada*
		b12	**L1-Norm Least Squares Support Vector Regression via the Alternating Direction Method of Multipliers** *Yafen Ye, Chunna Li, Yuanhai Shao*
		b13	**Housing Market Hedonic Price Analysis Based on Boosting Regression Tree** *Guangtong Gu and Bing Xu*
15:30-15:45	Coffee Break		

29-Oct	Thursday		
15:45-17:15	Session A2 Room1 Chair: *Wentao Gu*	a21	**Building a Type-2 Linguistic Regression Model and its Application on Technique of Company Valuation** *Wei Yicheng and Junzo Watada*
		a22	**Explored Causality of Financial Investment in Sports Level and Health Care Expenditure** *Tsung-Kuo Tien-Liu*
		a23	**Does ESG Influence the Corporate Value? Evidence from Chinese Manufacturing Firms.** *Wentao Gu*
		a24	**Middle-Income and Structural Gap Its Impact on Income Allocation Pattern** *Juan Chen, Shaoliang Zhang*
15:45-17:15	Session B2 Room 2 Chair: *Yuen Yee Yen*	b21	**Analysis of Influence Factors of Non-Performing Loans and Path Based on the Dynamic Control Theory** *Zhenlei Wang, Song Qin*
		b22	**Factor Affecting Cross-Border Knowledge Transfer** *Law Yi Sheng, Yuen Yee Yen*
		b23	**The Research of the Social Entrepreneurship Process Based on the Theory of System——A Model integrated the Entrepreneurial Elements** *Jingjing Wang, Ying Wang*
		b24	**Which is First: Interest Rate or Exchange Rate Liberalization? ---Based on a Small Open DSGE Model** *Xiaowen Hu*
18:00	IMIP2015 Meeting		

30-Oct	Friday		
8:30-17:00	Registration		
9:30-10:30	Session C1 Room1 Chair: *Shing Chiang Tan*	c11	**A Multiple Regression Analysis Approach for Mathematical Model Development in Dynamic Manufacturing System: A Case Study** *Kok Hoe Ho, Joshua Prakash, Kok Seng Ong*
		c12	**Model and Algorithm of Fuzzy Evaluation of Partners in Technical Standards Alliance---from the Perspective of Network Embeddedness.** *Jing Hu, Mingshun Song*
		c13	**A Modified Radial Basis Function Neural Network Model for Bankruptcy Prediction** *Pey Yun Goh, Shing Chiang Tan, Wooi Ping Cheah*
9:30-10:30	Session D1 Room2 Chair: *Juying Zeng*	d11	**X-Efficiency of Banking Sector in China: Nonparametric Stochastic Frontier Analysis** *Zuiyi Shen, Jun Ying, Cuilian Fu*
		d12	**Modeling and Simulation of Flexible Manufacturing System in Virtual Reality Platform** *Sinye Phoon, Hwa Jen Yap and Zahari Taha*
		d12	**The Linkage Mechanism of Environmental Pollution On Health Expenditures** *Juying Zeng*
10:30-10:45	Coffee Break		
10:45-12:00	Session C2 Room1 Chair: *Chen Yan*	c21	**Bio-Graphical Password Authentication with Face Spoofing Detection: A Graph Structure and Support Vector Machine Techniques** *Liew Tze Hui, Housam Khalifa Bashier, Lau Siong Hoe, Mohd Fikri Azli, Wee Kuok Kwee*
		c22	**An Intelligent Stock Trading Model Based on Robust Genetic Network Programming using Variance of Fitness Vaues** *Chen Yan, Yangyang Liu, and Zhihui Shi*
		c23	**The Balassa-Samuelson Hypothesis in the Developing Countries Revisited: Old Wine with New Bottle** *Weiguo Wang, Jing Xue*

		c23	**Learning Analytics Boosting Development pattern of University Teachers in Big Data Era** *SiYou Xiao, WenXiang Zhang*
10:30-10:45			**Coffee Break**
10:45-12:00	**Session D2 Room2 Chair:** *Afizan Azman*	d21	**Approximations of Fuzzy Numbers Preserving One Linear Operator** *Chi-Tsuen Yeh*
		d22	**Quantitative Modelling of Electricity Consumption based on Semiparametric Approach** *Bing Xu, Jingwen Yang*
		d23	**Responsive Web Application for Car Status System** *Hesham Ali Alsayed Elbendary, Afizan Azman, Narisha Husna Kamarudin, Sumendra Yogarayan, Kirbana Jai Raman, Zailina Aishah Zainal, Siti Zainab Ibrahim, Mohd Fikri Azli Abdullah*
		d24	**The Macroeconomic Effect of Sudden Shock in MRS-DSGE models** *Shangfeng Zhang, Yuying Wang, Liuyan Zhu and Can Cheng*
12:00-14:00			**Lunch**
14:00-18:45			**Tour** **(Gather at 13:45 at Block K before departing from campus)**
19:00			**Banquet**

CAMPUS MAP

MMU MELAKA PHASE 1,2,3

A	FBL
B	CDP
C	Student Centre
D	Contingency Bldg
E	Exam Hall
F	Chiller Plant
G	Hostel Blocks
H	FMD
I	FET
J	FIST
K	Admin. Bldg
L	Library
M	CLC
N	Plaza Siswa
O	STP
P	FOSEE
Q	CHILLER PLANT

Note:

The IMIP2015 venue is at Block M.