

THE 5th JASTIP SYMPOSIUM

- Disaster Risk Reduction & Environmental Sustainability for Social Resilience -

16 - 19 October 2018

Sama-Sama Hotel, Kuala Lumpur



Organized by:



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

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The 5th JASTIP Symposium

Disaster Risk Reduction & Environmental Sustainability for Social Resilience

16 - 19 October 2018, Sama-Sama Hotel, Kuala Lumpur International Airport, Malaysia

The Japan-ASEAN Science, Technology and Innovation Platform (JASTIP) is a research project funded by the Strategic International Collaborative Research Program (SICORP) of Japan Science and Technology Agency (JST) in order to promote international collaborative research that can contribute to Sustainable Development Goals (SDG). The JASTIP project consisted of three research areas: Energy and Environment, Bioresources and Biodiversity and Disaster Prevention.

As the Symposium rotates through ASEAN cities and countries, Malaysia has the honour of hosting the 5th JASTIP Joint Symposium with extra emphasis on “Disaster Risk Reduction & Environmental Sustainability for Social Resilience”. The 2018 edition, taking place in Kuala Lumpur will have as key focus the SDG, disaster and social resilience and environmental sustainability involving all JASTIP work packages (WP).

The Malaysia-Japan International Institute of Technology (MJIT), Universiti Teknologi Malaysia (UTM) proudly hosts the Symposium under the auspices of JASTIP generous sponsorship and strong partnerships with JST, Kyoto University and Kyoto University - Water, Energy and Disaster Management (WENDI) and the United Nations - Educational, Scientific and Cultural Organization (UNESCO). The Symposium serves as a platform for knowledge transfer and promotes interactive discussions amongst experts in disaster related researches.

The Symposium gathers government officials, researchers, practitioners and students from ASEAN and other countries to promote understanding and collaborations through education and research activities for regional sustainable development.

SYMPOSIUM SCHEDULE

General Schedule

TIME	TUESDAY, 16 OCTOBER 2018	TIME	WEDNESDAY, 17 OCTOBER 2018	TIME	THURSDAY, 18 OCTOBER 2018	TIME	FRIDAY, 19 OCTOBER 2018
1400	Registration	0800	Registration	0900	KEYNOTE 2	0700 to 1100	Site Visit
		0830	Welcoming Address	0945	Technical Session V		
		0930	KEYNOTE 1	1030	Morning coffee		
		1030	Group photo & morning coffee	1100	Technical Session VI		
		1100	Technical Session II	1300	Lunch		
		1230	Lunch	1400	Special Session on Public-Private-Academia Partnership (PPAP) for DRR / Technical Session VII		
1430 to 1645	Technical Session I	1400	Technical Session III				
		1545	Refreshment	1630	Message from the representatives of the next Host Country		
		1600	Technical Session IV	1700	Refreshment & Symposium Ends		
		1930	Dinner with cultural show				

Day 1 Schedule (Tuesday, 16 October 2018)

TIME	ACTIVITY		
1400 - 1430	Registration (Sama-Sama Hotel)		
1430 - 1645	TECHNICAL SESSION I (Boeing 1 Room) Chairperson: Prof. Dr. Aminaton Marto		
	1430 - 1445	Norio Maki How Can We Manage "Build Back Better"; Trials for Pre-disaster Recovery Planning in Japan	TS101
	1445 - 1500	Takahiro Sayama Impacts of Landuse and Climate Changes on Hydrology in a Tropical River Basin, Sumatra, Indonesia	TS102
	1500 - 1515	Nor Eliza Alias Trans-boundary Extreme Rainfall Homogenous Region of Malaysia-Indonesia	TS103
	1515 - 1530	Apip Assessment of Economic Flood Damage Under Environmental Changes Scenario in a Tropical Large River Basin, Sumatra, Indonesia	TS104
	1530 - 1545	Steven Ly Runoff Prediction in Ungauged Basins: A Case Study in Tonle Sap Lake Basins in Cambodia	TS105
	1545 - 1600	Khin Mar Yee An Investigation on the Arsenic Contamination of Groundwater in Kyonpyaw Township, Ayeeyarwaddy Region	TS106
	1600 - 1615	Mu Mu Than The Geographical Study of Flood Disaster Risk in Ayeeyarwaddy Delta Region, Myanmar: A Preliminary Investigation	TS107

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	1615 - 1630	Shintaro Miyake Data Assimilation of the Rainfall-Runoff-Inundation Model for Realtime Flood Predictions	TS108
	1630 - 1645	Dede Heri Yuli Yanto Development of Laccase Immobilization for Decolorization of Synthetic Dyes and Future Application in Textile Wastewater Treatment Plant	TS109

Day 2 Schedule (Wednesday, 17 October 2018)

TIME	ACTIVITY		
0800 - 0830	Registration (Sama-Sama Hotel)		
0830 - 0930	<p style="text-align: center;">WELCOMING ADDRESS</p> <p style="text-align: center;">Assoc. Professor Dr. Shahrum Shah Abdullah Chair of Conference, Malaysia-Japan International Institute of Technology</p> <p style="text-align: center;">Professor Dr. Ali Selamat Dean, Malaysia-Japan International Institute of Technology</p> <p style="text-align: center;">Professor Dr. Yasuyuki Kono Vice-President, Kyoto University Leader of JASTIP Project Former Director, Center for Southeast Asian Studies, Kyoto University</p> <p style="text-align: center;">Gateway Ballroom A</p>		
0930 - 1030	<p style="text-align: center;">KEYNOTE 1: SDGs and Roles of JASTIP</p> <p style="text-align: center;">Professor Dr. Yasuyuki Kono Vice-President, Kyoto University Leader of JASTIP Project Former Director, Center for Southeast Asian Studies, Kyoto University</p> <p style="text-align: center;">Gateway Ballroom A</p>		
1030 - 1100	GROUP PHOTO & MORNING COFFEE		
1100 - 1230	TECHNICAL SESSION II (Gateway Ballroom A) Chairperson: Prof. Dr. Takahiro Sayama		
	1100 - 1115	Wahyu Dwianto Development of Eco-friendly End-products	TS201
	1115 - 1130	Aye Nandar Hlaing, Ingyin Khine Uncertain Reasoning and Prediction Over Time for River Flooding with Dynamic Bayesian Networks Probabilistic Model	TS202
	1130 - 1145	Tetsuya Sumi Evaluation on the Impacts of Upstream Dam Development on Flow, Sediment and Salinity Intrusion into Vietnamese Mekong Delta	TS203
	1145 - 1200	Shieh Chjeng-Lun Sediment Management at the River-basin Scale in Taiwan	TS204
	1200 - 1215	Nguyen Canh Thai Flood and Drought Management and Dam Safety Risk Assessment in Vietnam.	TS205
	1215 - 1230	Lindung Zalbuin Mase/Suched Likiltersuang Seismic Response Analysis in Northern Thailand During the 6.8 Mw Tarlay Earthquake	TS206

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1230 - 1400	LUNCH		
1400 - 1545	TECHNICAL SESSION III (Gateway Ballroom A) Chairperson: Prof. Dr. Takashi Watanabe		
	1400 - 1430	Takashi Watanabe, Sulaeman Yusuf, Witjaksono, Mamoru Kanzaki JASTIP WP3 Biodiversity and Bioresources Study Toward Synergy of ASEAN Countries and Japan for Sustainable Development	TS301
	1430 - 1445	Khamarrul Azahari Razak Geohazard Assessment and Disaster Risk Reduction in a Tectonically Active Region in Malaysia: A Transdisciplinary Approach	TS302
	1445 - 1500	Noor Hana Hanif Abu Bakar Modification of Natural Polymers for the Enhanced Removal of Multiple Organic Contaminants	TS303
	1500 - 1515	Osamu Kozan Transboundary Atmospheric Pollution from Peatland Fire in Southeast Asia	TS304
	1515 - 1530	Mohd. Fadlee A. Rasid Networked ASEAN Peat Swamp Forest Communities: The Overall View and Malaysian Case	TS305
	1530 - 1545	Wida Susanty Haji Suhaili Networked ASEAN Peat Swamp Forest Communities (Brunei Perspective)	TS306
1545-1600	REFRESHMENT		
1600 - 1700	TECHNICAL SESSION IV (Gateway Ballroom A) Chairperson: Prof. Dr. Ismail Abustan		
	1600 - 1615	Muhayatun Santoso Assessing Chemical Composition of PM2.5 and Trans-boundary Haze from Peat Forest Fires at Palangka Raya in Indonesia	TS401
	1615 - 1630	Siti Hafsa Zulkarnain Development of Residential Flood Information Map Using Geographical Information System (GIS)	TS402
	1630 - 1645	Ahmad Fairuz Mohd. Yusuf Strengthening the Disaster Risk Reduction Capacity to Improve the Safety and Security of Communities by Understanding Disaster Risks	TS403
	1645 - 1700	Minako Jen Yoshikawa Positioning an Outbreak of Infectious Disease as a National Disaster in Singapore	TS404
1930	DINNER & CULTURAL SHOW		

Day 3 Schedule (Thursday, 18 October 2018)

TIME	ACTIVITY		
0900 - 0945	<p align="center">KEYNOTE 2: Extreme Events Affecting ASEAN Countries and How to Cope with Them</p> <p align="center">Professor Dr. Kaoru Takara Research Leader for WP4 Disaster Prevention, JASTIP Dean of Graduate School of Advanced Integrated Studies in Human Survivability</p> <p align="center">Gateway Ballroom A</p>		
0945 - 1045	<p align="center">TECHNICAL SESSION V (Gateway Ballroom A) Chairperson: Mr. Apip</p>		
	0945 - 1000	<p align="center">Chong Kai Lin Catchment Scale Frequency Analysis for Kelantan 2014 Flood</p>	TS501
	1000 - 1015	<p align="center">Hirotaaka Iwasaki Experimental Study on Wind Velocity Estimation with Motion-sensor-equipped Moving Anemometer</p>	TS502
	1015 - 1030	<p align="center">Kazuoyoshi Nishijima Preliminary Study for Modelling of Wind-breaking Effect of Trees Considering Their Dynamic Motion</p>	TS503
1030 - 1100	<p align="center">REFRESHMENT</p>		
1100 - 1300	<p align="center">TECHNICAL SESSION VI (Gateway Ballroom A) Chairperson: Prof. Dr. Hideaki Ohgaki</p>		
	1100 - 1115	<p align="center">Kyi Lint Morphological Analysis on Urban Streams in Mandalay City, Myanmar</p>	TS601
	1115 - 1130	<p align="center">Ismail Abustan Sustainable River Sand Removal in Rivers in Perak</p>	TS602
	1130 - 1145	<p align="center">Tetsuo Tobita Experimental Study on Liquefaction-induced Settlements with Sand Boiling</p>	TS603
	1145 - 1200	<p align="center">Mary Ann A Espina, Dolores Cecilia T Madrid The BBB Resilience House Update: Preparing to Construct a Prototype</p>	TS604
	1200 - 1215	<p align="center">Joy T. Santiago Fostering Resilience Community in the Philippines Through Multi-hazard, Multi-disciplinary, and Multi-sectoral Disaster Risk Reduction and Management</p>	TS605
	1215 - 1230	<p align="center">Mikio Ishiwatari Investing in Flood Protection in Asia: Scale and Effect</p>	TS606
	1230 - 1245	<p align="center">Keiichi Ishihara Socio-Economic Analysis of Community Renewable Energy</p>	TS607
	1245 - 1300	<p align="center">Hideaki Ohgaki Before and After Study on Renewable Energy Installation in Rural Community in Sarawak</p>	TS608
1300 - 1400	<p align="center">LUNCH</p>		

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TECHNICAL SESSION VII (Gateway Ballroom A) Chairperson: Prof. Dr. Masafumi Goto		SPECIAL SESSION ON 1ST PUBLIC - PRIVATE - ACADEMIA PARTNERSHIP (PPAP) FOR DISASTER RISK REDUCTION (DRR) (*Tentative can be found in Page 7) (Boeing 3 Room)	
1400 - 1530	1400 - 1415		Zul Ilham Zulkifli Lubes Integration of Environmental Sustainability Approaches in Disaster Risk Reduction TS701
	1415 - 1430		Sohaib Baig Flood Inundation Modeling in Astore River Basin, Pakistan TS702
	1430 - 1445		Mohd. Remy Rozainy Development of Flood Vulnerability Assessment (Va) and Risk Index (Ri) for Critical Infrastructure (Ci) in Penang Island, Malaysia TS703
	1445 - 1500		Duc Ha Nguyen A Coupled Hydrological-geotechnical Framework for Simulating Shallow Landslide Hazard - A Case Study in Halong City, Vietnam TS704
	1500 - 1515		Jessada Karnjana Landslide Preparedness in the ASEAN Member States: A Data Fusion Approach to Real-Time Monitoring System and Information Management TS705
	1515 - 1530		Mohd. Khairi Abu Husain Ocean Thermal Energy-driven Development for Sustainability TS706
1545 - 1630	CLOSING CEREMONY Remarks from the Host Country of Future JASTIP Joint Symposium		
1630 - 1700	REFRESHMENT & SYMPOSIUM ENDS		

Day 4 Schedule (Friday, 19 October 2018)

TIME	ACTIVITY
0715	Depart from Sama-Sama Hotel
0830 - 1100	Visit to Selangor Disaster Management Unit (SDMU), Shah Alam, Selangor
1100	Depart to Sama-Sama Hotel

SPECIAL SESSION ON 1ST PUBLIC - PRIVATE - ACADEMIA PARTNERSHIP (PPAP) FOR DISASTER RISK REDUCTION (DRR)

TIME	ACTIVITY
PART 1: SHARING SESSION	
1400 - 1405	Welcome and opening remarks by Prof. Dr. Masafumi Goto, Director of Disaster Preparedness and Prevention Centre (DPPC), MJIIT
1405 - 1415	Concept and objectives for Public-Private-Academia Partnership (PPAP) for building disaster resilient societies Dr. Shohei Matsuura, Japan International Cooperation Agency (JICA)
1415 - 1430	Expectations for PPAP in Malaysia: Government's perspectives on opportunities and challenges YBhg. Dato' Mohtar Mohd. Abd. Rahman, Director General of National Disaster Management Agency (NADMA)
1430 - 1445	Facilitating risk-informed investment for strengthening disaster preparedness and resilience in Malaysia Malaysian Development Bank (BPMB)
1445 - 1455	Q&A followed by group photo
PART 2: PPAP FORUM	
1500 - 1540	<p style="text-align: center;">Theme 1 – Investing in DRRM “Challenges & opportunities to facilitate DRRM investment in Malaysia”</p> <p style="text-align: center;">Panelists:</p> <p style="text-align: center;">1. YBhg. Dato' Mohtar Mohd. Abd. Rahman, Director General of National Disaster Management Agency (NADMA)</p> <p style="text-align: center;">2. YBhg. Ir. Dr. Zuhairi Abd. Hamid, Chief Executive Officer, Construction Research Institute of Malaysia (CREAM) Construction Industry Development Board (CIDB)</p> <p style="text-align: center;">3. YBhg. Mr. Ahmad Nadjme Yusuf, Chief's Risk Officer's Office, Malaysia Development Bank</p> <p style="text-align: center;">4. YBhg. Mr. Uchida Ryo, Fujitsu Japan Limited, Japan</p> <p style="text-align: center;">Moderator: Prof. Dr. Zulkifli Yusop, Chair of Resource Sustainability Research Alliance, UTM Johor</p>
1545 - 1615	<p style="text-align: center;">Theme 2 – Establishing PPAP platform for DRR “Finding common benefits for DRR partnership in Malaysia”</p> <p style="text-align: center;">Panelists:</p> <p style="text-align: center;">1. YBhg. Dato' Zakaria Mohamad, Science, Technology and Engineering (STEP) Panel to NADMA Malaysia</p> <p style="text-align: center;">2. YBhg. Dato' Dr. Ahmad Faisal Mohd. Perdaus, President of MERCY Malaysia</p> <p style="text-align: center;">3. YBhg. Deputy Commissioner (CD) Hj. Norhafifi Hj. Ismail, Director of Policy Planning and Coordination Division, Malaysia Civil Defence Force</p> <p style="text-align: center;">4. YBhg. Mr. Michael Klaus Heil, CEO of See Now Consulting</p> <p style="text-align: center;">Moderator: Dr. Khamarrul Azahari Razak, Co-Chair, WG Climate Adaptation & Disaster Risk Reduction, Global Young Academy, UTM Kuala Lumpur</p>
1615 - 1630	Overview and closing

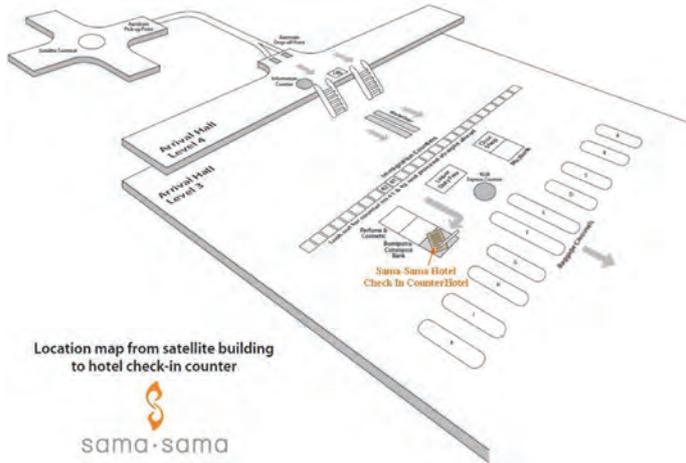
GETTING TO SAMA-SAMA HOTEL, KUALA LUMPUR

1. From Kuala Lumpur International Airport (KLIA)

The Hotel is connected by a covered sky bridge to the Main Terminal Building which houses the Arrival & Departure Halls, and it is just a 5-minute walk away. For our guests' convenience, we operate a complimentary buggy shuttle service that runs between the Airport and the Hotel.

Directions to Complimentary Buggy Pick-Up Location at Main Terminal Building Only:

As you exit the main door of the Arrival Hall at Level 3 of the Main Terminal Building, immediately keep to your right. Look out for "Sama-Sama Hotel" overhead directional signage's on the pillars and follow them for about 60 metres. Take a left turn (at 60 metre point) and look out for "Exit Gate No: 3". Just before "Exit Gate No: 3" look for an escalator on your right which goes down to Level 2. Take the escalator down and immediately ahead of you as you reach Level 2 is our buggy station. This is the pick-up location for the complimentary buggy shuttle to the Hotel. Look for instruction on the advertising board if buggy is not available more than 3 minutes.



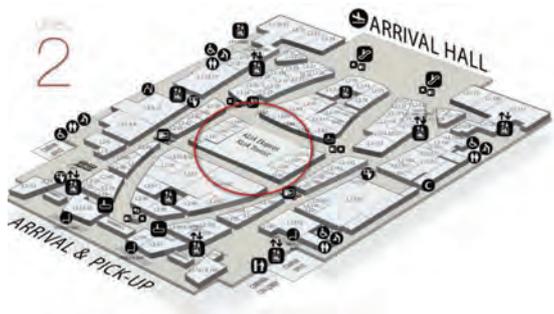
2. ERL (Express Rail Link) from KL Sentral Station

Proceed to KLIA Express counter in KL Sentral and take a direct train towards KLIA Main Terminal (KLIA Express). Take the escalator or elevator and proceed to Level 2. Immediately as you arrive Level 2, you will see the buggy station. Or you can proceed with walking directly to the hotel via SkyBridge through Carpark C. For more details, please visit this website: <https://www.kliaekspres.com>

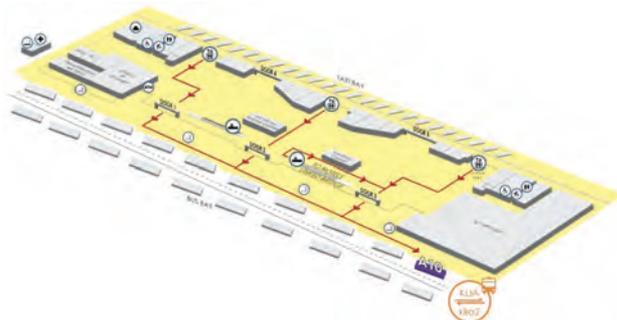


3. From KLIA2

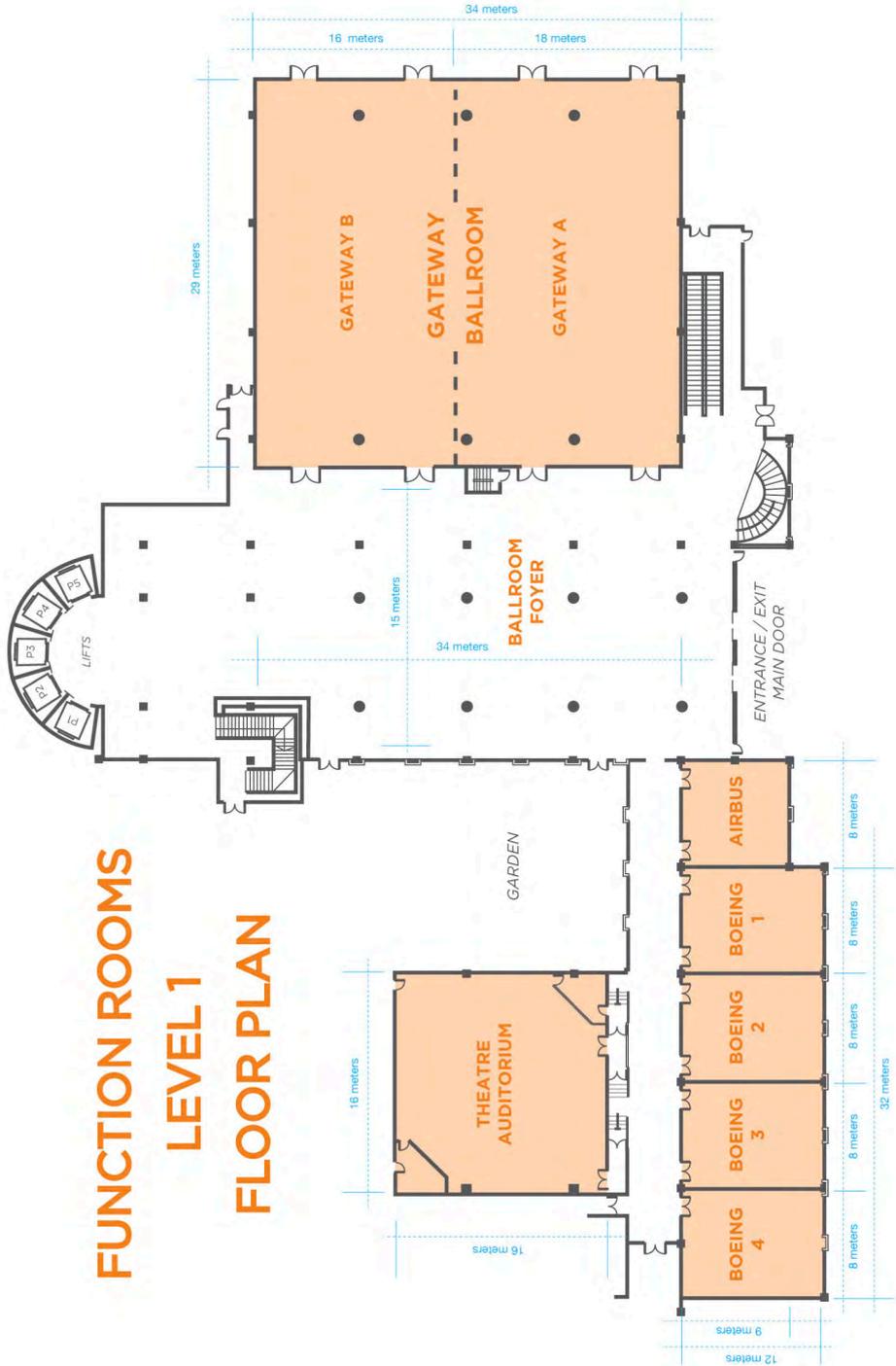
By KLIA Transit: Proceed to KLIA Transit counter at Level 2 of gateway@klia2 Mall and take a one stop direct train towards KLIA Main Terminal (KLIA Transit). Take the escalator and proceed to Level 2. Immediately as you arrive Level 2, you will see the buggy station in front of you. Or you can proceed with walking directly to the hotel via SkyBridge through Carpark C. For more details, please visit this website: <https://www.kliaekspres.com>



By Bus: Proceed to the free shuttle bus waiting area at Bay A10, Level 1, Transportation Hub, gateway@KLIA2 mall to get to KLIA Main Terminal and proceed to the buggy shuttle station at Level 2 or walk to the hotel via Skybridge through Carpark C.



SYMPOSIUM VENUE LAYOUT



FUNCTION ROOMS LEVEL 1 FLOOR PLAN

ORGANIZING COMMITTEE

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ASSOCIATE PROFESSOR DR. MUHAMAD ALI MUHAMMAD YUZIR

Program Co-Chair

DR. AZURA HAMZAH

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