

CONFERENCE PROGRAMME & SCHEDULE

# PIBEC 8

8th Putrajaya International Built Environment, Technology and Engineering Conference

## “Built Environment, Technology and Engineering: Challenges in the Post Covid-19 Era”

21 DECEMBER 2020

*Online Conference*



**Keynote Speaker & Opening by:**  
**Assoc. Prof. Ts. Dr. Muhammad Zaly Shah FCILT**  
**Director**  
Centre for Innovative Planning and Development  
Fakulti Alam Bina dan Ukur  
Universiti Teknologi Malaysia

Jointly Organised by



WMIT GROUP SDN BHD  
(Co. Reg. 1136118-A)



CIPD  
Centre for Innovative Planning and Development

## GENERAL INFORMATION

### Welcome

It's our pleasure to welcome you to the 8th Putrajaya International Built Environment, Technology and Engineering Conference 2020 (PIBEC8), which will be on 21st December 2020.

Due to the current issue on Covid-19 and as advised by Ministry of Health, National Security Council and the government of Malaysia, PIBEC8 edition will be hosted on the online communication platform – Zoom application.

We wish you all the best, stay safe and have a fruitful conference.

### Organizer

The conference is jointly organized by the Centre for Innovative Planning and Development (CIPD), Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia and WMIT Group Sdn Bhd.

### Conference Theme

“Built Environment, Technology and Engineering: Challenges in the Post Covid-19 Era”

### Program and Abstract Book

Program and Abstract Book will be emailed to Presenter and Participant via “wetransfer” application by 18<sup>th</sup> December 2020. Please download accordingly

### Online URL Link

Link to Online Session for Opening, Keynote and Parallel Session can be obtained in the Final Schedule.

### Conference Proceedings

Conference Proceedings with e-ISSN will be emailed to Presenter and Participant via “wetransfer” application by 24<sup>th</sup> December 2020. Please download accordingly

### Conference Certificate

Presenter or Participant Certificate will be emailed to your registered email address starting 24<sup>th</sup> December 2020

### Contact Us

pibec\_wmit@hotmail.com  
+6017-7321669 (WhatsApp)

## CONFERENCE SCHEDULE

Monday, December 21, 2020

Time	Event	Online URL Link
8.40am – 9.00am	Registration & Log in Session	Room 1
9.00am – 10.00am	Opening Session Welcoming Remarks Opening & Keynote Speech “Covid-19 and the Built Environment: Turning Crisis into Opportunities” <b>Ybrs. Prof. Madya Ts. Dr. Muhammad Zaly Shah</b> Director Centre for Innovative Planning and Development (CIPD) Faculty of Built Environment and Surveying Universiti Teknologi Malaysia Photography Session	Room 1
10.00am – 10.30am	Networking Break	
10.30am – 1.00pm	Parallel Session 1	Room 1 & 2
1.00pm – 2.00pm	Networking Break	
2.00pm – 4.30pm	Parallel Session 2	Room 1 & 2
4.30pm – 4.45pm	Closing Session	Room 1

## URL LINK FOR EVENT

Room	Event	URL Link
1	Opening Session Keynote Session Parallel Session Closing Session	<a href="https://us02web.zoom.us/j/81877518401?pwd=UXVVNzRla3dyZ1JuNzMzbzhqaXNEZz09">https://us02web.zoom.us/j/81877518401?pwd=UXVVNzRla3dyZ1JuNzMzbzhqaXNEZz09</a>  Meeting ID: 818 7751 8401 Passcode: 457533
2	Parallel Session	<a href="https://us02web.zoom.us/j/81662861683?pwd=eJluVTBzS09JNGZoaFJl2pjekE1Zz09">https://us02web.zoom.us/j/81662861683?pwd=eJluVTBzS09JNGZoaFJl2pjekE1Zz09</a>  Meeting ID: 816 6286 1683 Passcode: 664373

# PRESENTATION SCHEDULE

Monday, December 21, 2020

10.30am – 1.00pm

Parallel Session 1

Paper Id Presenter

Paper Title

Session Chair: Dr. Zuhra Junaida binti Ir Mohamad  
Husny Hamid

Online URL Link: Room 1

017-014	Dr. Mohd Khairul Azhar Mat Sulaiman <i>Universiti Kebangsaan Malaysia</i>	FOLIAGE COVERAGE PERFORMANCE OF TROPICAL CLIMBERS FOR GREEN FACADE
055-050	TPr. Dr. Gobi Krishna Sinniah <i>Universiti Teknologi Malaysia</i>	AN OVERVIEW IN CONDUCTING SOCIAL SURVEY: A PANDEMIC LESSON
045-036	Tan Pei Yee <i>Universiti Teknologi Malaysia</i>	THE IMPACTS OF DISEASE OUTBREAKS ON TOURISM TRAVEL DEMAND: A LITERATURE REVIEW
049-038	Asst Prof. Dr. Harlina Md Sharif <i>International Islamic University Malaysia</i>	DIGITAL DOCUMENTATION IN REINSTATING HERITAGE SIGNIFICANCE OF MELANAU TALL LONGHOUSE AT KAMPUNG SOK SARAWAK
050-039	Ziad Baydoun <i>International Islamic University Malaysia</i>	THE ISLAMIC CALLIGRAPHY STYLES AND SCRIPTS IN MUSLIMS ARCHITECTURE: AN OVERVIEW
041-045	Dr. AK Mohd Rafiq AK Matusin <i>Universiti Teknologi Malaysia</i>	COVID-19 AND GREEN SPACE: SIMULATING THE OPTIMISED VISITS USING SPATIAL ANALYSIS
004-003	Narendran Ramasenderan <i>Nilai University</i>	ANALYSIS OF DIFERENT TYPES OF MESHESON THE PERFORMANCE OF A FOG HARVESTING PROTOTYPE
022-015	Aishah Ezzah Binti Badaruddin <i>Taylor's University</i>	THE IMPACT OF CORONAVIRUS (COVID-19) OUTBREAK TOWARDS CONTRACTORS PERFORMANCE IN MALAYSIA
024-016	Shevaun Fong Sze Wen <i>Taylor's University</i>	THE IMPLEMENTATION OF VALUE MANAGEMENT IN MALAYSIAN CONSTRUCTION INDUSTRY: PRIVATE SECTORS' PERCEPTIONS
025-017	Siti Sarah Mat Isa <i>Universiti Sains Malaysia</i>	UNDERSTANDING THE DRIVING FACTORS OF ECO-INNOVATION ADOPTION IN CONTRACTOR FIRMS

**Session Chair: Dr. Mohamad Fadhli bin Rashid**

**Online URL Link: Room 2**

013-010	Tan Beng Chiat <i>Universiti Teknologi Malaysia</i>	IMPACTION PIN ANGLE AND NOZZLE ORIFICE DIMENSION DESIGN EFFECTS IN SPRAY PATTERNS FOR GAS TURBINE INLET COOLING
031-030	Ts. Dr. Azila Adnan <i>Universiti Malaysia Terengganu</i>	LACTATE: ITS EFFECTS ON BACTERIAL CELLULOSE (BC) PRODUCTION
037-031	Dr. Nur Farah Hafizah Mukhtar <i>Universiti Kuala Lumpur Malaysian Institute of Industrial Technology</i>	FULL FACTORIAL DESIGN ANALYSIS OF RAPID PROTOTYPING FDMs ANGLE ACCURACY
008-005	Dina Mardiana <i>University of Muhammadiyah Malang, Indonesia</i>	THE EFFECTIVENESS OF PEDAGOGICAL INNOVATION OF ISLAMIC EDUCATION LEARNING (PAI) DURING COVID-19: A CASE STUDY OF SENIOR HIGH SCHOOL IN MALANG-EAST JAVA
027-019	Ir. Dr. Abdul Murad Zainal Abidin <i>Public Works Department Malaysia</i>	MONITORING ENERGY CONSUMPTION OF EXISTING GOVERNMENT BUILDINGS USING JKR ENERGY ONLINE SYSTEM (JENOSYS)
040-034	Dr. Hitapriya Suprayitno <i>Institut Teknologi Sepuluh Nopember (ITS), Indonesia</i>	PRELIMINARY REFLECTION ON DECISION-MAKING METHOD FOR GENERAL COMBINATORY PROBLEM IN INFRASTRUCTURE ASSET MANAGEMENT
012-009	Dr. Reem Ahmed <i>Universiti Teknologi PETRONAS</i>	CHARACTERIZATIONS OF REFINERY SLUDGE, CHAR AND ASH
047-041	Zwalnan S.J <i>University of Nottingham</i>	DEVELOPMENT OF A PVT COOLING CONTROL METHODOLOGY FOR A BETTER THERMAL AND ELECTRICAL PRODUCTIONS FOR BUILDING APPLICATION

**1.00pm – 2.00pm**

**Networking Break**

**2.00pm – 4.30pm**

**Parallel Session 2**

<b>Paper Id</b>	<b>Presenter</b>	<b>Paper Title</b>
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**Session Chair: TPr. Dr. Gobi Krishna Sinniah**

**Online URL Link: Room 1**

026-020	Hairu Nazlina Ismail <i>Ministry of Higher Education</i>	CRITERIA FOR SUCCESSFUL DESIGN PROCESS PERFORMANCE: A THEORETICAL FRAMEWORK
030-022	Low Wei Qi <i>Taylor's University</i>	OVERVIEW OF VALUE ENGINEERING: APPLICATION AND IMPLEMENTATION AMONG QUANTITY SURVEYORS IN THE CONSTRUCTION INDUSTRY WITHIN KLANG VALLEY, MALAYSIA



023-023	Venicia Ong Xiao Dong <i>Taylor's University</i>	A STUDY ON THE DISABLED FACILITIES AND PERSONS WITH DISABILITIES (PWDs) CUSTOMERS SATISFACTION IN SUNWAY PYRAMID
023-024	Michelle Yee Seen Man <i>Taylor's University</i>	THE APPLICATION OF PAPERLESS CONCEPT OF E-TENDERING SYSTEM IN THE MALAYSIAN CONSTRUCTION INDUSTRY, FROM QS CONSULTANTS PERSPECTIVE
023-025	Hoe Pooi Yee <i>Taylor's University</i>	A STUDY OF ORGANIZATIONAL CULTURE AND ITS IMPACTS ON EMPLOYEES PERFORMANCE IN QUANTITY SURVEYING CONSULTANT FIRMS
034-028	Nurain Zahira M.Yusri <i>International Islamic University Malaysia</i>	COVID-19 AND HIGHER EDUCATION INSTITUTIONS: ADDRESSING SUSTAINABLE UNIVERSITY AGENDA THROUGH UNIVERSITY COMMUNITY ENGAGEMENT
029-029	Nurhafizah Binti Mohamad Saleh <i>International Islamic University Malaysia</i>	IDENTIFYING THE CAUSE OF FIRE SAFETY ISSUES IN SELANGOR TAHFIZ SCHOOLS
009-006	Eddy Syaizul Rizam Bin Abdullah <i>Universiti Malaysia Sabah</i>	FUNCTION OF INTERLOCKING COMPRESSED EARTH BRICK IN BUILDING WALL SYSTEMS: A LITERATURE REVIEW.
016-013	Prof. Dr. Nurul Murtadho, M. Pd. <i>Universitas Negeri Malang, Indonesia</i>	SURVEY OF NEEDS ASSESSMENT FOR ESTABLISHING ARABIC CALLIGRAPHY FOR ISLAMIC ARCHITECTURE STUDY PROGRAM AT UNIVERSITAS NEGERI MALANG

**Session Chair: TPr. Dr Norhazliza Abd Halim**

**Online URL Link: Room 2**

021-043	Sharifah Fairuz Syed Fadzil <i>Universiti Sains Malaysia</i>	EVALUATING THE DAYLIGHT PERFORMANCE OF LIGHT SHELF WITH VARIED LOCATION AND POSITION IN THE TROPICS: PRELIMINARY STUDY
054-049	Assoc. Prof. Dr. Ir Adnan Zulkiple <i>Universiti Malaysia Pahang</i>	FEASIBILITY STUDY FOR PROVISION OF PIPERACK FROM KUANTAN PORT TO GEBENG INDUSTRIAL ESTATES
054-048	Assoc. Prof. Dr. Ir Adnan Zulkiple <i>Universiti Malaysia Pahang</i>	EXPERIENTIAL LEARNING ON APPLICATION OF FULL PACKAGE JKR TRAFFIC IMPACT ASSESSMENT GUIDELINES FOR PROPOSED LOCAL DEVELOPMENT PROJECT: CASE STUDY OF CHUKAI SENTRAL DEVELOPMENT
014-011	Priyanka Atmakuri <i>Indian Institute of Technology Madras, India</i>	CHARACTERIZING DRIVING BEHAVIOUR UNDER MIXED TRAFFIC CONDITIONS USING INSTRUMENTED VEHICLES

040-033	Dr. Ria Asih Aryani Soemitro <i>Institut Teknologi Sepuluh Nopember (ITS), Indonesia</i>	EXPERIMENT ON SUCCESS FACTOR ANALYSIS FOR ROAD PRESERVATION PROJECT IN INDONESIA BY INVOLVING STATISTICAL EXPLORATORY FACTOR ANALYSIS
052-044	Syamsul Hadi <i>Universitas Negeri Malang, Indonesia</i>	ONLINE TRANSPORTATION AND CONSUMPTIVE BEHAVIOUR
005-004	Khairul Rahmah Ayub <i>Universiti Sains Malaysia</i>	FLOW CAPACITY OF A SINGLE MODULE FOR SWALE WITH SUBDRAINAGE CHANNEL
015-012	Mohd Fauzi Zikiri <i>Universiti Malaysia Sabah</i>	LANDSLIDE HAZARD ANALYSIS (LHA <sub>n</sub> ) IN BUKIT SHANTUNG AREA, KOTA KINABALU, SABAH.

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**4.30pm – 4.45pm**

**Closing Session**

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## POSTER PRESENTATION

011-008	Bi Kai <i>Infrastructure University Kuala Lumpur</i>	THE DISCUSSION OF IMPACT FACTORS OF CONFINED CONCRETE
038-032	Abdulghfoor Abdurabuh <i>University of Malaya</i>	THE IMPACT OF HOSPITALS ACCREDITATIONS IN THE SAFETY CULTURE IN HOSPITALS IN THE MAKKAH CITY OF THE KINGDOM OF SAUDI ARABIA
021-042	Sharifah Fairuz Syed Fadzil <i>Universiti Sains Malaysia</i>	LIGHT-SHELVES TECHNIQUE (LST) FOR DAYLIGHT ENHANCEMENT USING PHYSICAL SCALED-MODEL AND SIMULATION APPROACHES