

**CIDB Session A**  
**21 August 2019**

Time	Presenter	Title
1400	Khairul Nizam bin Anuar Bashah	MyCREST - Towards Carbon Reduction for Building Project
1430	Nabila Syazwanie binti Kamaludin	Quality Assessment System in Construction (QLASSIC)
1500	Mohd Afiq Farhan bin Mohd Hassan	Assesment of Safety and Health in Construction Industry

**CIDB Session B**  
**22 August 2019**

Time	Presenter	Title
1400	Mohammad Farid A Hamid	BIM Development towards 2020
1430	Mohd Rizal bin Norman	Adoption of Industrialized Building System (IBS) In Today's Construction
1500	Zaini bin Yahya	Perakuan Pematuhan Standard (PPS) – Certificate of Standard Compliance for Construction Materials
1530	Khairul Nizam bin Anuar Bashah	Sustainable INFRASTAR - Towards Resilient Infrastructure Project

**Parallel Session 1**  
**21 August 2019**

**Ballroom – Structural Engineering**  
**Chairman: Associate Professor Ir Dr Choong Kok Keong**

Time	Paper ID	Title
1100	SE1498	Development of Design Acceleration Response Spectrum for Building Based on New Indonesian Seismic Hazard Maps 2017
1115	SE1513	Investigation of Brick Masonry Behaviour Under Uniaxial Compression Test at Different Scales
1130	SE1536	Seismic Hazard Analysis Study of New Semarang International Airport due to Shallow Crustal Fault Earthquake Scenario
1145	SE1570	Effects of Micro- and Ultrafine Metakaolin on Compressive Strength and Water Sorptivity of High Volume Fly Ash Concrete
1200	SE1634	Comparison on Total Weight of Steel Reinforcement for 5 Story Reinforced Concrete Building with and without Seismic Design
1215	SE1574	The Influence of Type And Combination of Polycarboxylate-Based (PCE) Superplasticizer on the Rheological Properties and Setting Behaviours of the Self-Consolidating Concrete Containing GGBS and DSF
1230	SE1583	Effect of Various Grades of Na <sub>2</sub> SiO <sub>3</sub> on Compressive Strength Development of Eggshells Powder-based Alkaline Activated Mortar

**Halia Room – Environmental Engineering**  
**Chairman: Professor Dr. Mohd Suffian Yusoff**

Time	Paper ID	Title
1100	EE1488	Optimization of Egg Shell Powder and Lime for Waste Soil Improvement at Open Dumping Area using Monte Carlo Simulations
1115	EE1664	The Potential of Pineapple Leaf Fibre as an Acoustic Absorber
1130	EE1615	Characteristic study of physical and chemical properties of limestone subjected to adsorption of Fe and Mn in groundwater
1145	EE1623	The Effect of Ozonation By-Products on Human Embryonic Kidney Cells (Hek293): Ozone as Wastewater Treatment Tool
1200	EE1642	Oil Palm Frond (OPF) based Activated Carbon in Leachate Treatment
1215	EE1644	Use of Wheat Germ and Chitosan as the Natural Coagulant in Oleochemical Wastewater Treatment
1230	EE1663	Acoustical Properties of Porous Concrete Containing Oil Palm Shell and Vermiculite

**Lada Room – Construction Management**  
**Chairman: Dr. Farid Ezanee Mohamed Ghazali**

Time	Paper ID	Title
1100	GM1830	Thermal Comfort Study using CFD Analysis in Residential House with Mechanical Ventilation System
1115	GM1548	Underlying Disaster Risk Factors for Sustainable Coastal Development Projects in Malaysia
1130	GM1549	Exploration of Training and Education for Attaining Disaster Resilience from Sustainability Perspective among Civil Engineering Students
1145	GM1564	Change Order Impact on Construction Industry of Pakistan
1200	GM1569	An Investigation of Causes of Delay Affecting the United Arab Emirates Construction Industry
1215	GM1571	Review of Delay Causes in Construction Projects
1230	GM1620	Issues and Challenges Encountered by Project Managers Towards Small Public Construction Project Success in Malaysia – A Literature Synthesis
1245	SE1715	Human Factors Lead to Lift Accidents in High-Rise Residential Buildings

**Serai Room – Water Resources Engineering**  
**Chairman: Prof. Madya Dr Mohd Remy Rozainy**

Time	Paper ID	Title
1100	WR1481	Theoretical, CFD Simulation and Experimental Study to Predict the Flow rate Across a Square Edge Broad Crested Weir Depending on the End Depth as a Control Section
1115	WR1510	Methods of Estimating Time of Concentration: A case study of Urban Catchment of Sungai Kerayong, Kuala Lumpur
1130	WR1590	Stability and Overtopping Assessment of Tanjung Piai Stone Revetment via Two-Dimensional Hydraulic Modelling
1145	WR1651	A Feasibility Study of Stormwater Management for a Campus University in Semenyih, Malaysia
1200	WR1643	Detecting Seasonal Extent of Inundated Area of River Body in Banyuasin Regency using Radar Data of Sentinel-1A
1215	WR1683	Rainfall Trend Analysis in the Upper Citarum River Basin, Indonesia
1230	WR1703	HEC-RAS One-Dimensional Hydrodynamic Modelling for Recent Major Flood Events in Pahang River

**Parallel Session 2**  
**21 August 2019**

**Ballroom – Structural Engineering**  
**Chairman - Assoc. Prof. Dr. Lau Tze Liang**

1600	SE1676	Low Carbon Geopolymer Hollow Block – Mix Design, Casting and Strength Comparison with OPC Hollow Block
1615	SE1646	Experimental Study on the Polyvinyl Chloride (PVC) Tubes Filled with Concrete Containing Recycled Concrete Aggregate
1630	SE1654	The Evaluation of Changes in Camber Position to Deflection of Arch Steel Bridge in Extreme Loads
1645	SE1794	Seismic Performance of Soft Storey Reinforced Concrete Buildings in Ranau, Sabah Subjected to Design Seismic Load Stipulated in Malaysia National Annex to Eurocode 8
1700	SE1594	Load-Displacement Behaviors of Reinforced Concrete Beam Embedded with Galvanized Steel Cable: Comparison Between Experiment and Finite Element Analysis

**Halia Room – Structural Engineering**  
**Chairman – Ir. Dr. Shaharudin Shah Zaini**

1600	SE1745	Experimental on the Damages of the Cable-Net Structure Under Static Performance
1615	SE1783	Evaluation of Cost Analyses for Earthquake Resistant Reinforced Concrete Buildings based on Malaysian National Annex to Eurocode 8
1630	SE1785	Numerical Investigation on The Effectiveness of a Novel Flat Truss Shape Punching Shear Reinforcement
1645	SE1786	Compressive Strength and Microstructural Characteristics of Binary Cement Mortar Containing Palm Oil Fuel Ash
1700	SE1588	Numerical Simulation of ISO Freight Container Using Finite Element Modelling

**Lada Room – Water Resources Engineering**  
**Chairman – Dr. Mohamad Fared Murshed**

1600	WR1704	Flow Resistance in Ecological Subdrainage Channel
1615	WR1739	Simulation of Flow Profile Response to Alternate Bar Formation in Rivers
1630	WR1752	Comparison of Different Methodologies for Determining the Efficiency of Gully Inlets
1645	WR1781	The Hydraulics and Morphodynamics of a Flooded Meandering Channel
1700	WR1831	Flood Hazard Map of Upper Sungai Langat Using HEC-RAS
1715	WR1900	Impacts of different rainfall input data and land use changes in hydrological modelling at urban catchment

**Serai Room – Highway & Transportation**  
**Chairman – Dr. Zul Fahmi Mohamed Jaafar**

1600	HT1530	Capacity Estimation of Multi-Lane Rural Highway: A Comparative Study
1615	HT1609	Bus Passenger's Satisfaction on Accessibility to AmanJaya Bus Terminal: A Gender Comparison
1630	HT1638	The Impact of Road Alignment toward Road Safety: A Review from Statistical Perspective
1645	HT1640	Pedestrian Walkability Index for Light Rail Transit (LRT) Stations in Klang Valley, Malaysia
1700	HT1680	Analyzing the Moisture Susceptibility of Crumb Rubber Warm Mix Asphalt Using Imaging Technique
1715	HT1702	Modification of Malaysia Bituminous Binder Using Waste Polystyrene

**Ballroom Room – Structural Engineering**  
**Chairman - Assoc. Prof. Dr. Fadzli Mohamed Nazri**

Time	Paper ID	Title
1100	SE1656	Reusable Concrete Debris as Aggregate Replacement on the Properties of Green Concrete
1115	SE1693	Modal and Harmonic Response Analyses of the Kenyir Dam Intake Section
1130	SE1708	Investigation on Strength Enhancement of U-TPOFA Based Binary Blended Alkali Activated Mortar Through Addition of Fly Ash
1145	SE1729	Behaviour of Ultra-High-Performance Concrete Barrier Walls Subjected to Blast Loading
1200	SE1613	Relation between Surface Preparation and Corrosion Resistance in Painted Steel Sheets
1215	SE1617	Rice husk Ash Derived Sodium Silicate Using Hydrothermal and Convection Heating Methods

**Halia Room - Environmental Engineering**  
**Chairman – Dr. Herni Halim**

Time	Paper ID	Title
1100	EE1608	Critical Transformational Time of Ground Level Ozone from Nitrogen Dioxide in Urban Area
1115	EE1690	Oxidation of Deep Well Saline Groundwater Generates the Precipitation of Ferrous Sulfide (FeS)
1130	EE1692	Variations of Selected Criteria Air Pollutants during High Particulate Event
1145	EE1669	Effect of sulfate and nitrate anions on the oxidative degradation of tetrachloroethylene by magnetite with glutathione
1200	EE1701	The Effects of Mixing Speed and Reaction Time on the Removal of Colour and Turbidity from Alor Pongsu Landfill using Tin Tetrachloride
1215	EE1759	Linking Science and Administration: Local Ozone Management and Prevention Framework in Malaysia
1230	EE1762	Comparison of Bioavailable Phosphorus in River Sediments and River Bed Sediments from Agricultural and Urban Rivers
1245	EE1798	Morphology and Elemental Component of PM2.5 at a School Located Near Industrial Area in Malaysia

**Lada Room – Construction Management**  
**Chairman - Dr. Noorhazlinda Abd Rahman**

Time	Paper ID	Title
1100	GM1647	Carbon Footprint Analysis of Industrialised Building System in Malaysia
1115	GM1717	Integrating Structural and Non-Structural Flood Management Measures for Greater Effectiveness in Flood Loss Reduction in the Kelantan River Basin, Malaysia
1130	GM1720	Flood Risk Estimation of Paddy Production Considering Plants' Age and Flood Durations
1145	GM1740	A State-of-the-Art of the Emergency Evacuation Capacity (EEC) Assessment for Rail Transit Terminal (RTT) in Malaysia
1200	GM1790	The Influence of Communication on the Success Design of High-rise Residential Building on Surabaya
1215	GM1763	Supply Chain Framework in Enhancing Construction Waste Management: A Case Study in Klang Valley
1230	GM1764	Empirical Study on Relationship Between Customer Satisfaction and QCLASSIC Performance Score In Northern Area

**Serai Room – Geotechnical Engineering**  
**Chairman - Dr. Muhd Harris Ramli**

Time	Paper ID	Title
1100	GE1610	Best Position of Pile in Earth Slope
1115	GE1614	Application of A New Concept of Cracked Soils in Slope Stability Analysis with Heavy Rain and The Pattern of Cracks as The Governing Factors
1130	GE1618	Influence of Twin Tunnel Depth in Numerical Ground Movement Prediction Using Mohr Coulomb and Hardening Soil Model
1145	GE1650	Parameter Optimization of Conceptual Tank Model for Groundwater Level Prediction
1200	GE1511	The permeability and strength of compacted laterite soil-bentonite mixtures for landfill cover application
1215	GE1532	CPTU Penetrations into the Marine Clays and Laterite Soils of Northwest Peninsular Malaysia

**Ballroom – Structural Engineering**  
**Chairman – Dr. Izwan Johari**

Time	Paper ID	Title
1630	SE1641	Seismic Performance of Reinforced Concrete Residential Building Modelled using Ruaumoko2D Program
1645	SE1801	Structural Response of Building in Ranau, Kota Kinabalu and Lahad Datu, Sabah under Different Earthquake Scenarios
1700	SE1808	Walking Induced Floor Vibration on Glulam Timber Floor
1715	SE1604	Effects of Nano – Silica on Concrete Properties- Literature Review

**Halia Room – Highway & Transportation**  
**Chairman - Assoc. Prof. Ir. Dr. Leong Lee Vien**

Time	Paper ID	Title
1630	HT1724	Alternative Testing Protocol to Assess the Bonding and Shear Resistance of Pavement Bituminous Crack-Sealant Material
1645	HT1767	The Criteria of Evaluating Active School Travel at Jerash Camp
1700	HT1722	Morphological Identification of Latex Modified Asphalt Binder Prepared with Surfactants
1715	HT1853	Construct Reliability of Structural Equation Modelling (SEM) Exploratory Factor Analysis for A Distracted Driving Behavior Survey

**Lada Room – Construction Management**  
**Chairman - Dr. Md. Sayuti Ishak**

Time	Paper ID	Title
1630	GM1765	Geographic Information System for Flood Control: Cilember River, Cimahi City, West Java Province
1645	GM1546	Application of Geographic Information Systems (GIS) in The Multi Criteria Site Selection of Retention Pond for Urban Rainwater Management
1700	GM1491	Preference Assessment and Prioritization of the Urban Green Space Features Using Qualitative Evaluation and AHP Decision Model
1715	GM1793	Evaluation of Human Factors Influencing Labor Productivity in Construction Project
1730	GM1636	Comparison between the Constraints of Building Information Modelling (BIM) and 3D Modelling

**Serai Room – Environmental Engineering**  
**Chairman - Dr. Nurul Hana Mokhtar Kamal**

Time	Paper ID	Title
1630	EE1788	Characterization of Aerobic Granular Sludge (AGS) formation during Start-up Phase for Leachate Treatment
1645	EE1782	The Influence of Extensive Green Roofs on Roof Thermal Performance in Batu Pahat Climate
1700	EE1836	Modeling the Fate of Phenol in Moving Bed Biofilm Reactor Sewage Treatment Plant
1715	EE1841	Numerical Simulation of the Cascade Aerator in Removing Iron and Manganese