

IGNITE-ICVSSD 2019 - Main Schedule

2nd December 2019 (Monday)

Time	Description
8:30 am	Registration of Participants
9:00 am	IGITE – ICVSSD A Session A1 (Halia Room) Session A2 (Pala Room) Session A3 (Lawang Room)
10:00 am	Morning Break
10:15 am	IGNITE - ICVSSD B Session B1 (Halia Room) Session B2 (Lada Room) Session B3 (Pala Room) Session B4 (Lawang Room) Session B5 (Jintan Room)
11:15 am	Sponsor Session 1 (Main Hall) Collaborative Research in Engineering, Science and Technology (CREST)
11:30 am	Keynote Address 1 (Main Hall) Prof. Dr. Kazuhiko Terashima Vice President of Toyohashi University of Technology (TUT)
11:50 am	Keynote Address 2 (Main Hall) Mr. Lim Yew Kee, <i>CEng, MIET</i> Chairman, IET Internet of Things Network, The Institution of Engineering and Technology (IET), United Kingdom
12:10 pm	Officiating Ceremony (Main Hall) Speech by Prof. Dr. Zaidi Mohd Ripin (IGNITE-ICVSSD 2019 Chairman) Speech by AP Dr. Jamaluddin Abdullah (Dean of School of Mechanical Engineering, USM) Group Photo Session
12:40 pm	Lunch Break (Cinnamon)
2:00 pm	IGNITE - ICVSSD C Session C1 (Halia Room) Session C2 (Lada Room)

	Session C3 (Pala Room) Session C4 (Lawang Room) Session C5 (Jintan Room)
3:00 pm	Sponsor Session 2 (Main Hall) MSC Software Pte. Ltd.
3:15 pm	Sponsor Session 3 (Main Hall) DAG Technologies Sdn. Bhd.
3:30 pm	Coffee Break
4:00 pm	IGNITE - ICVSSD D Session D1 (Lada Room) Session D2 (Pala Room) Session D2 (Jintan Room)
5:00 pm	Closing Ceremony and the Launching of NVC-ICVSSD 2020 (Main Hall)

IGNITE-ICVSSD Presentation Schedule

IGNITE-ICVSSD A

Session A1 (0900-1000): Sound/ Acoustic (Halia Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_017	0900	Oscillations of a Flexible Beam in Cavity Flow with Tonal Sound	Prof. Dr. Hiroshi Yokoyama	TUT
2	ICVSSD #08	0915	Transmission Loss Analysis of Simple Expansion Tube with Micro-perforated Cylindrical Panel	Mohamad Izudin Alisah	USM
3	ICVSSD#15	0930	Sound and Vibration Damping Properties of Water Retted Kenaf Bast Fiber(WKF) and Poly(Butylene Succinate) PBS	Wan Mohd Amri Wan Mamat Ali	USM
4	ICVSSD#09	0945	The Evaluation of the Deviation in Sound Absorption Coefficient for Micro-Perforated Panel	Nur Arafah Jaafar	USM

Session A2 (0900-1000): Thermofluids & Related Areas (Pala Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_009	0900	On the Role of Substrate Temperature into Bonding Mechanism of Cold Sprayed Titanium Dioxide	Noor Irinah Omar	TUT
2	IGNITEMECH 19_028	0915	EQE, XPS and the Electronic States of Copper Oxides Photoactive Layers Prepared by Electrodeposition-annealing	Dr. Pei Loon Khoo	TUT
3	IGNITEMECH 19_033	0930	Effect of Hydrogen Embrittlement Towards Thermal and Mechanical Behavior of Niti Shape Memory Alloy	Ng Ching Wei	USM
4	IGNITEMECH 19_005	0945	Resonance Behavior of Interacting Diffusion Flames	Prof. Dr. Yuji Nakamura	TUT

Session A3 (0900-1000): System Dynamic and Related Areas (Lawang Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#03	0900	Fluid-structure-interaction Numerical Study on the Mechanical Integrity of Water Dam Reservoir Banks	Dr. Ng Fei Chong	USM-UNITEN
2	ICVSSD#26	0915	Effect of Femur Geometry on Hip Protectors Testing System	Sulaiman Yahaya	USM
3	ICVSSD#05	0930	Smooth Particle Hydrodynamics Study of Sediment Profile Erosion	Muhammad Aqil Azman	USM-UNITEN
4	ICVSSD#24	0945	Active Vibration Detector Sensor using Remote GSM Transmitter and Receiver	Isah Hussaini Gumel	College of Science and Technology

IGNITE – ICVSSD B

Session B1 (1015-1115): System Dynamic and Related Areas (Halia Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#13	1015	Development of an Ultrasonic Scalpel	Prof Dr. Zaidi Mohd Ripin	USM
2	ICVSSD#20	1030	Modelling and Closed-Loop System for Magnetoreological Elastomer Linear Actuator	Dr. Muhamad Husaini Abu Bakar	UNIKL
3	IGNITEMECH 19_027	1045	Application of Electromagnetic Induction to Measuring Impact Load	Prof. Dr. Tadaharu Adachi	TUT
4	IGNITEMECH 19_010	1100	The state-of-art for Magnetorheological Elastomers Fabrication and Hydro-tribological Characterisation	Dr. Ramdziah Md Nasir	USM

Session B2 (1015-1115): Fluid Dynamics (Lada Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_036	1015	Numerical Study of Droplet Behavior on an Oscillating Plate using OpenFOAM	Prof. Dr. Takashi Suzuki	TUT
2	IGNITEMECH 19_022	1030	Simulation on Water Behaviour in A Detention Pond	Nazirul Mubin Zahari	UNITEN
3	IGNITEMECH 19_014	1045	Assessment of the Effect of High Tide and Low Tide Condition on Stream Flow Velocity at River Mouth	Dr. Mohammad Nishat Akhtar	USM
4	IGNITEMECH 19_035	1100	Evaporation Rate of Molten Copper in Argon and Nitrogen Gas Flow and Characteristics of Condensed Particles	Prof. Dr. Seiji Yokoyama	TUT

Session B3 (1015-1115): Sound/ Acoustic (Pala Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#17	1015	Oil Palm Wastes as Sustainable Sound Absorbing Particleboard	Ong Thai Kiat	TARUC
2	ICVSSD#22	1030	Sound Absorption Characteristics of Sandwich Panel Made From Double Leaf Micro-Perforated Panel And Natural Fiber	Dr. Meifal Rusli	Andalas University
3	ICVSSD#27	1045	A Qualitative Study of Wind Noise Cavity Inside of a Two Way Radio	Masrurah Hairuddin	USM
4	ICVSSD#01	1100	Numerical Analysis on Vibro-acoustic Characterization of Hybrid Honeycomb Structure with Flow Permeability	Tee Zhen Wei	TARUC

Session B4 (1015-1115): Structural (Lawang Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_030	1015	A fluid-structure interaction numerical study on the spillway structure of reservoir dam	Dr. Ng Fei Chong	USM-UNITEN
2	IGNITEMECH 19_025	1030	The Impact of Vortex Formation Due to The Operational Dam Condition: A Review	Muhammad Aqil Azman	UNITEN
3	IGNITEMECH 19_031	1045	Effect of the oil spill on the soil friction angle	Dr. Muhd Harris Ramli	USM
4	IGNITEMECH 19_038	1100	Performance Evaluation of Cross-Arm Structure Under Different Magnitude of Loading	Dr. Sareh Aiman Hilmi Abu Seman	USM

Session B5 (1015-1115): Vibration (Jintan Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#06	1015	Numerical Study of the Flow-Induced Vibration During Tunnel Surging at the Intake Section of Chenderoh Dam	Mohd Hafiz Satar	USM
2	ICVSSD#07	1030	Vibration Analysis of Chenderoh Dam Physical Model Spillway Structure due to the Effect of Water Spilling: Numerical and Experimental Validation	Azizi Arbain	USM
3	ICVSSD#16	1045	Modelling of the Human Body Under the Exposure to Recumbent Whole-Body Vibration	Dr. Ko Ying Hao	TARUC
4	ICVSSD#21	1100	Experimental Modal Analysis-Based Damage Detection in Plate Structures using Spectral Features	Pranesh Krishnan	UNIKL

IGNITE – ICVSSD C**Session C1 (1400-1500): Environmental & Related Areas (Halia Room)**

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_007	1400	Impact of High Particulate Event on Indoor and Outdoor of Fine Particulate Matter Concentrations during Southwest Monsoon	AP. Dr. Noor Faizah Fitri Md Yusof	USM
2	IGNITEMECH 19_008	1415	Physical Modelling Investigation of a 3-Stage Landslide Prevention System: Case Study	Prof. Ir. Dr. Md Azlin Md Said	USM
3	IGNITEMECH 19_013	1430	Water Quality Assessment at Selected Sites in Perak and Kinta River	Dr. Nuridah Sabtu	USM
4	IGNITEMECH 19_006	1445	Influence of Grain Size Distribution Towards Improvements of Turbidity, Colour and Suspended Particles in a Riverbank Filtration Process - A Column Study	Dr. Nurul Hana Mokhtar Kamal	USM

Session C2 (1400-1500): Materials and Biomechanics (Lada Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_002	1400	Ankle Joint Rotator Prototype Designed for Creating Different Angles Of Rotation at the Ankle Joint in Performing Various Daily Activities	Tai Pei Li	USM
2	ICVSSD#25	1415	Investigation of Fatigue Failure Performance of Ankle	Dr. Rosdi Daud	UMP
3	IGNITEMECH 19_029	1430	Test Condition Optimization for Testing of Hip Protectors	Suleiman Yahaya	USM
4	IGNITEMECH 19_019	1445	Exfoliation of Charcoal by Electrochemical Method to Synthesize Few Layers Graphene Sheets	Dr. Liu Wei Wen	UniMAP

Session C3 (1400-1500): Structural (Pala Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_011	1400	An Experimental Investigation on Pull through Failure on Roof Cladding to Purlin Connection Considering Overhang Roof	Prof. Dr. Taksiah A. Majid	USM
2	IGNITEMECH 19_037	1415	Failure Prediction of Different Fibreglass Cross-Arm Design under Multi-Axial Loading	Dr. Muhammad Fauzinizam Razali	USM
3	IGNITEMECH 19_032	1430	Influence of Steel Fiber on Behaviour of Reinforced Concrete Beams: A Review	AP. Dr. Choong Kok Keong	USM
4	IGNITEMECH 19_012	1445	Failure Analysis for Fatigue Crack Using Bootstrap S-version Finite Element Model	Dr. Mohd Akramin Mohd Romlay	UMP

Session C4 (1400-1500): Fluid Dynamics (Lawang Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_001	1400	Design and Development of a Small-Scale Wind Tunnel for Flow Visualization	Muhamad Syukri Mohamed Shamsuddin	USM
2	IGNITEMECH 19_020	1415	Study on Fluttering Characteristics of Articulated Flat Plate Flag	Prof. Dr. Masaki Yamagishi	TUT
3	IGNITEMECH 19_021	1430	Simulation on Air- Fly Ash Particles Using Discrete Phase Method	Nazirul Mubin Zahari	UNITEN
4	IGNITEMECH 19_034	1445	Development of a Flow Visualization Technique in Wind Tunnel for Hydrokinetic Turbine Application	Abdelrahman Tarek Ismail	USM

Session C5 (1400-1500): Vibration (Jintan Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#12	1400	Preliminary Evaluation of Active Tremor Cancellation Spoon for Patients with Hand Tremor	Dr. Chan Ping Yi	USM
2	ICVSSD#19	1415	Monitoring of Gear Surface Roughness in Angle Grinder Using Vibration Analysis	Zainal Nazri Mohd Yusuf	UNIKL
3	IGNITEMECH 19_024	1430	Modal Identification of Cylindrical Shell With High Damping Using Reduction Method Focusing On Symmetry Of Mode Shape	Prof. Dr. Masami Matsubara	TUT
4	ICVSSD#10	1445	Analysis of Contact Stress and Vibration of Rolling Element Bearing	Amirul Akil Adman	USM

IGNITE – ICVSSD D**Session D1 (1600-1700): Vibration and Sound/ Acoustic (Lada Room)**

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#18	1600	Frequency Domain Technique for Characterizing Spur Gears Defect Pattern	Dr. Muhammad Najib Abdul Hamid	UNIKL
2	IGNITEMECH 19_016	1615	Breath Sound Analysis Of Sleep Apnea Syndrome Using Cluster Model	Prof. Dr. Miyori Shirasuna	TUT
3	IGNITEMECH 19_004	1630	Characterization Of Environmental Noise Pollution Based On Noise Measurement And Noise Mapping At Usm Engineering Campus	Dr. Herni Halim	USM
4	ICVSSD#11	1645	Attenuation of Motorcycle Handle Vibration using Suspended Handlebar	Nabil Mohamad Usamah	USM

Session D2 (1600-1700): Structural and Related Areas (Pala Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	IGNITEMECH 19_003	1600	Design and Development of a Service Robot for Wi-Fi RSSI Fingerprint Data Collection	Ts. Dr. Abdul Halim Ismail	UniMAP
2	IGNITEMECH 19_015	1615	A Review on Metal 3D Printing; 3D Welding	Zarirah Karrim Wani	USM
3	IGNITEMECH 19_026	1630	Cubic Spline Based Genetic Algorithm Optimization for Millimeter and Microwave Integrated Circuits	Dr. Nur Hidayah Mansor	USM
4	IGNITEMECH 19_018	1645	Developing the Regression Relationships for the Critical Period of the Reservoir Systems at Sungai Bekok and Sungai Kesa	AP. Dr. Rozi Abdullah	USM

Session D3 (1600-1700): Structural and Related Areas (Jintan Room)

NO.	#ID	TIME	TITLE	AUTHOR/ PRESENTER	INSTITUTION
1	ICVSSD#04	1600	Coastal Sediment Transport Study along Shoreline by using Smooth Particle Hydrodynamics	Muhammad Aqil Azman	USM-UNITEN
2	ICVSSD#14	1615	Characterization of Three-Dimensional Crack-Tip Constraint for Structural Integrity Assessment	Sana Zulfiqar	USM
3	IGNITEMECH 19_039	1630	Assessment of Seismic Scenario- Structure Based Limit State Criteria for a 23-Storey Reinforced Concrete High-Rise Building	AP. Dr. Fadzli Mohamed Nazri	USM