

Tentative

8:00 – 8:30 a.m.	Registration & Coffee
8:30 – 8:45 a.m.	Opening/ Welcoming speech/Safety briefing
8:45 – 9:25 a.m. Prof Zaidi Mohd Ripin Director TheVibrationLab School of Mechanical Eng,USM	Introduction to Big Data Analytics: Concepts, Technologies and Applications What is Big Data, Big Data Sources, Big Data Analytics, Types Of Analytics, Examples of Big Data Analytics , Benefits of Big Data Analytics, Requirements for Successful with Big Data Analytics – Fact based decision making culture, Strong Data Infrastructure, Analytical tools, People skilled in analytics, Privacy,
9:25 – 10:20 a.m. Dr Chan Ping Yi USM	Statistical Review : Assessment Technique for Classification The collection of data, classification of data, false positive, true negatives, specificity and sensitivity, confidence intervals, estimation of errors in sensitivity and specificity
10:20 – 10:40 a.m.	Coffee Break
10:40 a.m. – 12:30 p.m. Mohd Shazlan Mohd Anwar Virtual Instrument & System Innovation Sdn Bhd	Data Collection for Machine Condition Monitoring Sensor type, Networked Sensor, Data collection , Making sense from the data, Development of system for machine condition monitoring and the application of Big Data Analytics
12:30 – 2:00 p.m.	Lunch break and Networking session with sponsors/lecturers
2:00 – 3.40 p.m Vinay Marje MSC Software	Machine Learning and Finite Element Method for Physical System Simulation This session will cover the recent development in the finite element method and how the application of machine learning can improve the productivity of the modeling and analysis obtained from the FE simulation.
3:40 – 4:00 p.m	Coffee Break
4:00 – 5:30 p.m. Faisal Nazamuddin Invicom Test and Measurement	Application of measurement and finite element software in prognosis of the life of offshore structure - A Case Study The collection of actual data from the offshore structurecoupled together with the finite element model of the offshore structrue can be used to calculate the remaining useful life of the structure.
5:00 – 5:30 p.m.	Question and Answer Closing ceremony

Disclaimer

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