

Day 1 - Thursday 27th February 2025			
08:30 - 09:15	Registration		
09:30 - 10:25	Opening Ceremony - Sajeesh Kumar Babu / M.S. Vetriselvan		
10:25 - 10:40	Lion Dance Performance and Exhibition Opening		
10:40 - 11:15	GOH Exhibition Tour - Sajeesh Kumar Babu / M.S. Vetriselvan / Vigneshwar Prabu		
10:45 - 11:15	Tea Break		
11:30 - 13:00	Keynote Session - Andy Malcolm NDE 4.0 Paradigms for Aerospace and Process Industries Professor Krishnan Balasubramanian Indian Institute of Technology Madras, India		
12:15 - 13:00	Role of NDT in a Safer Product Dr John Chen American Society of Non-Destructive Testing		
13:00 - 14:00	Lunch		
14:00 - 15:40	Track A - Ultrasonic Testing 1 - Krishnan Balasubramanian		Technical Session Track B - Certification - John Chen
14:00 - 14:20	A1.1	UT is UT: Understanding Advanced Ultrasonic Technologies and How They Compare to Each Other Stephan Couture and Prasanth Geddiam Evident Scientific Pte Ltd, Singapore	B1.1 SNT-TC-1A and its applications Prakash Gokulanandam American Society for Non-Destructive Testing India, India
14:20 - 14:40	A1.2	Comparative study on over 150m of welded joints using established (PA/TOFD) and emerging (PCI/TFM) ultrasonic imaging methods Prasanth Geddiam Evident Scientific Pte Ltd, Singapore	B1.2 The AWS NDEEC Endorsement Steven Snyder American Welding Society, USA
14:40 - 15:00	A1.3	A New generation of AUT system for Pipeline Girth Weld Examination Michael Monette, Paul Hillman and Daniel Richard Eddyfi Technologies, Canada	B1.3 Current Trends in NDT certification Madhavan Krishnamurthy Setco Services Pte Ltd, Singapore
15:00 - 15:20	A1.4	Ultrasonic Inspection Design and Application for Main coolant Pipes of Third-Generation Nuclear Power Plants Maocheng Hong and Xiaobing Zhang Southeast University, China	B1.4 Malaysian Certification Skills System and ISO 9712 Mohd Sarudin bin Awang SkillsDevelopment, Malaysia
15:20 - 15:40	A1.5	Best Practices in Bolt Inspection Using Ultrasonic Testing Qaihri Wahab and Chin Kian Liew Singapore Institute of Technology, Singapore	B1.5 What are the factors affecting the execution of an Effective NDE? Sadasivan Narayana Indian Society of Non-destructive Testing, India
15:40 - 16:00	Tea Break		
16:00 - 18:00	Technical Session Track A - Ultrasonic Testing 2 - Sivanesan Namachivayam		
16:00 - 16:20	A2.1	In-Situ Volumetric Inspection Technique for Reciprocating Internal Combustion Engine Piston Crowns Terry Haigler, Jeremy Ring, Jeff Henry and Dr. Joe Zhou Applied Inspection Systems, Inc., USA	B2.1 Artificial Intelligence Defect Detection Robustness in Real-time Non-Destructive Testing of Metal Surfaces Chaoyu Dong, Jovian Sanjaya Putra and Andrew A. Malcolm Singapore Institute of Manufacturing Technology, Agency for Science, Technology and Research, Singapore
16:20 - 16:40	A2.2	An Adaptive Total Focusing Method for Ultrasonic Imaging of Arbitrarily Stacked Carbon Fiber-Reinforced Composites Jiancheng Cao, Jingli Yan, Hui Ding and Jun Zhang Southeast University, China	B2.2 A Signal-Based Data Fusion Approach in Non-Destructive Testing of Composite Materials in the Aerospace Industry Tom Avikasis Cohen and Anna Brook University of Haifa, Israel
16:40 - 17:00	A2.3	Ultrasonic online monitoring method of internal defects in metal additive manufacturing Linzhao Jiang, Jun Zhang, Jingli Yan and Hui Ding Southeast University, China	B2.3 Advanced AI for RT Corrosion Monitoring Ilkka Virkkunen, Tuomas Koskinen, Topias Tyystjärvi and Sonja Grönroos Trueflaw Ltd, Finland
17:00 - 17:20	A2.4	Challenges and Solution for Corrosion under Pipe Support Sachin Sajeew and Arun Nair A-Star Testing and Inspection (S) Pte Ltd, Singapore	B2.4 Defect Detection of Bolts through Machine Learning of Ultrasonic Testing Signals Abdul Azziz Abd Talib, Chun Yee Lim and Chin Kian Liew Singapore Institute of Technology, Singapore
17:20 - 17:40	A2.5	Advanced MC, PAUT and FMC/TFM on High Performance and Small Size Open Electronics Sandeep Murjani The Phased Array Company, USA	B2.5 In-situ defect detection and material property evaluation in additive manufacturing using acoustic signal and machine learning Abdullah Bin Zainal, Zheng Jie Tan, Saritha Samudrala, Zi Wen Tham, Lei Zhang and Santhakumar Sampath Singapore Polytechnic, Singapore
17:40 - 18:00	A2.6	Applications and Advantages of TFM in Ultrasound Inspections Sivanesan Velayuthampalayam Namachivayam and Paulchamy Pugalendhi Cutch Group, Singapore	B2.6 Adaptive Parameter Identification of Battery Pack in Electric Vehicles with Real-Driving Signals Chunling Du, Tomi Wijaya and Choon Lim Ho Advanced Remanufacturing and Technology Centre, Agency for Science, Technology and Research, Singapore
18:00 - 19:00	Cocktail Reception		
19:00 - 22:00	Gala Dinner		