



6th International Conference on Noise Vibration and Comfort 2018

“Towards Sound and Vibrant Life”

Dorsett Hotel, Putrajaya

5 to 7 March 2018

5 March 2018

Time Slot	Programme
1600-1800	Registration

6 March 2018

Time Slot	Programme
0800-0900	Registration
0900-1100	Session 1: Structural Dynamics
1	Invited speaker: IR. DR. TUAN SUHAIMI SALLEH Public Work Department
2	NVC 016: INVESTIGATION OF DYNAMIC BEHAVIOUR OF LASER STITCH WELDED STRUCTURE M. A. S. Aziz Shah, M. A. Yunus, M. N. Abdul Rani, M. S. Mohd Zin, and W. I. I. Wan Iskandar Mirza, S. Kushairi
3	NVC 020: UPDATING OF THE DYNAMIC BEHAVIOUR OF AN ASSEMBLED STRUCTURE WITH BOLTED JOINTS IN THE LIGHT OF EMA RESULTS R. Omar, M. N. Abdul Rani, M. A. Yunus, A. A. M. Isa and Z. A. Rahman
4	NVC 032: DEVELOPMENT OF FIBRE BRAGG GRATING (FBG) BASED PRESSURE TRANSDUCER WITH TEMPERATURE COMPENSATION A. M. Aizzuddin, E. Vorathin and Z. M. Hafizi
5	NVC 047: VIBRATION TRANSMISSIBILITY CHARACTERISTIC ACROSS HYDROSTATIC BEARING ON ROTOR T. Seperamaniam ^{1,3} , N. A. A. Jalil ^{1,2,4} , Z. A. Zulkefli ^{1,2,5} , A. As'array ^{1,6}
6	NVC 034: ALTERNATIVE SCHEME FOR FRF MEASUREMENT OF EXPERIMENTAL-ANALYTICAL DYNAMIC SUBSTRUCTURING W. I. I. Wan Iskandar Mirza, M. N. Abdul Rani, M. A. Yunus, R. Omar, M. S. Mohd Zin

Time Slot	Programme
7	NVC 036: EXPERIMENTAL MODAL ANALYSIS PROCEDURE FOR A LASER SPOT WELDED HAT-PLATE STRUCTURE M. S. Mohd Zin, M. N. Abdul Rani, M. A. Yunus, W. I. I. Wan Iskandar Mirza and M. S. M. Sani.
8	NVC 007: ANALYSIS OF CHATTER VIBRATION FOR SURFACE ROUGHNESS MONITORING BY SIGNAL PROCESSING IN TURNING PROCESS Razali Samin, Mohd Zaki Nuawi, S.M. Haris and Jaharah A. Ghani
9	NVC 42: STRUCTURAL DYNAMIC INVESTIGATION OF FRAME STRUCTURE WITH BOLTED JOINTS M. H. N. Izham, M. S. M. Sani, M. N Abdul Rani and M. A. Yunus
10	NVC 043: JOINING STRATEGY ANALYSIS OF STRUCTURAL DYNAMIC IN TOP HAT PLATE OF DISSIMILAR MATERIALS N. A. Nazri, M. S. M. Sani, M. N. Abdul Rani and M. A. Yunus
1100-1115	Break
1115-1125	Welcoming Remarks ASSOC. PROF. IR. DR. NAWAL ASWAN ABDUL JALIL Chairman, NVC2018
1125-1150	Opening Ceremony YBHG. IR. KORMAIN HAJI MOHD NOOR Deputy Director General, Department of Occupational Safety and Health Malaysia, Ministry of Human Resources
1150-1230	Keynote 1 PROF. DR. SETSUO MAEDA Human Response to Vibration Kindai University NVC 055: NEW JAPANESE GUIDELINES AND FUTURE WORKER HEALTH CONSIDERATION FOR PREVENTING HAND-ARM VIBRATION SYNDROMES S. Maeda
1230-1400	Lunch
1400-1500	Session 2: Human Vibration
1	NVC 008: MATHEMATICAL MODEL OF SUSPENSION SEAT-PERSON EXPOSED TO VERTICAL VIBRATION FOR OFF-ROAD VEHICLES S. A. Adam, N. A. A. Jalil, K. A. Md Razali, Y. G. Ng and M. F. Aladdin
2	NVC 012: SIMULATION OF ACTIVE FORCE CONTROL USING MR DAMPER IN SEMI ACTIVE SEAT SUSPENSION SYSTEM R. Rosli, G. Priyandoko and Z. Mohamed
3	NVC 009: EVALUATION OF HUMAN DISCOMFORT FROM COMBINED NOISE AND WHOLE-BODY VIBRATION IN PASSENGER VEHICLE M. Farid Aladdin, Nawal. A. A. Jalil, N. Y. Guan, K. A. M. Rezali and S. A. Adam
4	NVC 056: A REVIEW OF WEARABLE SENSOR SYSTEMS FOR HAND-TRANSMITTED VIBRATION (HTV) APPLICATIONS A. M. Aizuddin, N. A. A. Jalil
1500-1515	Break

Time Slot	Programme
1515-1700	Session 3: Vibration Control and Signal Processing
1	NVC 004: DESIGN, FABRICATE AND ANALYSIS OF TREMOR TEST RIG TO EMULATE HUMAN HAND TREMOR Hafiz Jamaludin, Kai Sheng E., As'arry A.
2	NVC 049: HYBRID OF SKYHOOK AND ACTIVE FORCE CONTROL FOR MAGNETO-RHEOLOGICAL ELASTOMER UNDER IMPACT LOADINGS Mohd Sabirin Rahmat, Khisbullah Hudha, Zulkiffli Abd Kadir, Noor Hafizah Amer, Nur Rashid Mat Nuri and Shohaimi Abdullah
3	NVC 061: THE DEVELOPMENT OF CUTLERY TOOL TO REDUCE PARKINSON MOVEMENT Mohd Faiz Bin Abdullah, Mohd Zarhamdy Bin MD Zain, Reem Musab Abdul Sattar, Azizan As'arry*
4	NVC 023: CHARACTERIZATION OF THE HUMMING-TYPE NOISE AND VIBRATION OF THE AUTOMOTIVE HVAC SYSTEM A. Z. A. Mazlan, M. H. Hamdan, M. S. Md. Isa, S. Man, M. A. R. Paiman and M. Z. Abd. Ghapar
5	NVC 029: FREQUENCY DOMAIN DECOMPOSITION METHOD: A COMPARATIVE STUDY ON SIGNAL PROCESSING FOR UNBIASED DAMPING RATIO ESTIMATES M. Danial A. Hasan, Z. A. B. Ahmad, M. Salman Leong and L. M. Hee
6	NVC 010: DYNAMIC MODELLING OF A FLEXIBLE BEAM STRUCTURE USING FEED-FORWARD NEURAL NETWORKS FOR ACTIVE VIBRATION CONTROL Tuan A. Z. Rahman, N. A. Abdul Jalil, A. As'arry and R. K. Raja Ahmad
2000-2300	Conference Dinner Location: Cruise Tasik Putrajaya

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7 March 2018

Time Slot	Programme
0900-1100	Session 4: Simulation and Testing
1	Invited Speaker: KEDAR DEO MSC Software
2	NVC 015: CUTTING TOOL WEAR PROGRESSION INDEX VIA SIGNAL ELEMENT VARIANCE N. A. Kasim, M. Z. Nuawi, J. A. Ghani, C. H. Che Haron
3	NVC 030: Gearbox Diagnosis using Advance Variational Mode Decomposition and Extreme Learning Machine M. Firdaus Isham, M. Salman Leong, L. M. Hee and Z. A. B. Ahmad
4	NVC 033: DESIGN AND DEVELOPMENT OF MODULAR VIBRATION TEST RIG FOR COMBINATION TYPES OF FAULT IN ROTATING MACHINERY HEALTH DIAGNOSIS S. M. Silahuddin, A. M. Aizuddin, S. Mohamaddan, S. T. Syed Shazali, M. S. Z. M. Suffian, A. M. Tazuddin, and A. S. Abdullah
5	NVC 026: DESIGNING VEHICLE SOUND AND VIBRATION USING THE NVH DRIVING SIMULATOR APPROACH Finn Kryger NIELSEN and David BOGEMA
6	NVC 060: MODAL ANALYSIS OF KEROPOK KEPING DRYING MACHINE (S&T) M.S.Z. Mohamad Suffian ¹ , M.N. Leman ² , S. Mohamaddan ¹ , and A.M.A. Abang Mohamad Mohtar ¹
7	NVC 001 VIBRATION TRANSMITTED TO THE HAND BY BACKPACK BLOWERS Shadi Abdeladim Alamin Gabasa, Khairil Anas Md Razali*, Azizan As'arry and Nawal Aswan Abdul Jalil
8	NVC 040: EXPERIMENTAL INVESTIGATION OF CHATTER SUPPRESSION IN TURNING MACHINING WITH PROCESS DAMPING FA Azmi, R Samin, MF Ariffin, MZ Nuawi, and BTHT Baharudin
9	NVC 059: IMPULSIVITY OF NOISE DUE TO SINGLE VEHICLES TRANSIT ON TRANSVERSE RUMBLE STRIPS (N&A) N. Darus, Z. Haron, K. Yahya, N. Mashros, Z. Jahya and M. H. Othman
1100-1115	Break
1115-1200	Keynote 2 PROF. DATUK IR. DR. MOHD. JAILANI MOHD. NOR

Time Slot	Programme
	Deputy Vice Chancellor Research and Innovation Universiti Teknikal Malaysia Melaka
1200-1300	Session 5: Energy Harvesting and Fluid Dynamics
1	NVC 003: REMOVAL OF DUST FROM THE SOLAR PANEL SURFACE USING MECHANICAL VIBRATOR Osam H. Attia, Nor Mariah Adam, Azizan As'arry, Khairil Anas Md Rezali
2	NVC 018: PERFORMANCE OF PIEZOELECTRIC ENERGY HARVESTER WITH RUBBER COMPOUND MODIFICATION Linasuriani Muhamad and Hanim Salleh
3	NVC 054: DEVELOPMENT OF EPOXY RESIN CARBON BLACK SMART COATING FOR STRUCTURAL HEALTH MONITORING OF PETROLEUM PIPELINES Joshua, R. M., Mamat O. B.
4	NVC 031: BEARING FAULT DIAGNOSIS USING DEEP SPARSE AUTOENCODER S. R. Saufi, Z. A. B. Ahmad, M. S. Leong and L. M. Hee
1300-1400	Lunch
1400-1600	Session 6: Noise and Acoustics
1	NVC 017: ANALYSIS OF SOUND TRANSMISSION LOSS (STL) OF KENAF FIBER AS A NOISE CONTROL TREATMENT (NCT) USING STATISTICAL ENERGY ANALYSIS (SEA) METHOD N. Azahari, A. Putra, M. N. Othman, R. M. Dan, N. H. Ismail, A. M. Sood, M. J. A. Jamil
2	NVC 019: ACOUSTICAL CHARACTERISTIC CHANGES PRODUCED BY VEHICLES TRANSITED ON ROAD WITH RUMBLE STRIPS Haron Zaiton, Yahya Khairulzan, Darus Nadirah, Mashros Nordiana, Jahya Zanariah, Othman Mohd Hanifi
3	NVC 024: COMPARISON ON THE SOUND ABSORPTION OF BIODEGRADABLE COMPOSITE MICROPERFORATED PANEL AND CONVENTIONAL MICROPERFORATED PANEL Desmond Daniel Vui Sheng Chin, Musli Nizam Yahya, Muhd Hafeez Zainulabidin, Izzuddin Zaman, Nor Azali Azmir, Mohd Amran Madlan, Maznan Ismon and Zainorin Kasron
4	NVC 038: EVALUATION OF ACOUSTICAL PERFORMANCE FOR ATRIUM DESIGN WITH RESPECT TO SKYLIGHT MATERIALS BY USING COMPUTER SIMULATION Nazli Che Din, Tio Seng Zhi and Chia Keng Soon
5	NVC 028: AUDIO FEATURE EXTRACTION OF QURANIC MAQAMAT SIGNALS USING MEL FREQUENCY CEPSTRAL COEFFICIENT ALGORITHM Farah H. A. Jabar, Janatul Islah Mohammad, Dzaty Md. Jalil, Robiatul Adawiyah Mohd., M. Zaini Zakaria, Ahmad Faizal M. Zain, Abu Bakar Hasan, Adnan M. Yusoff, Ahmad Sanusi Azmi and Hishomudin Ahmad
6	NVC 035: ACOUSTICS DESIGN FOR OPTIMAL SPEECH INTELLIGIBILITY OF VELODROM NASIONAL NILAI NEGERI SEMBILAN M. Harun, M. N. Dimon, P. I. Khalid, S. Z. A. Hamid, S. A. B. Syed Noordin, Z. Sejo and M. H. Mansor.
7	NVC 039: THE EFFECT OF DOME DESIGN ON ACOUSTICAL PERFORMANCE OF A MOSQUE: SHAPE AND LOCATION Nazli Che Din and Afi Saiful Anuar

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8	NVC 021: EXPERIMENTAL STUDY OF ACOUSTIC BLACK HOLE (ABH) EFFECT: A REVIEW K. Magaswaran* and M. H. Lim
9	NVC 052: THE EFFECT OF REVERBERATION ON THE FORMANT FREQUENCY OF MALAY WORDS (N&A) Muhammad 'Aasim Asyafi'ie bin Ahmad, Mokhtar bin Harun, Md. Najib bin Ibrahim, Puspa Inayat binti Khalid, Siti Zaleha Abdul Hamid, Johari Kasim, Muhammad Ashraff Mohd Yamen
1600-1630	Closing
1630-1645	Break
1645-1800	Annual General Meeting 2018, Society of Vibration and Acoustics Malaysia (SVAM)

Organisers

