

APVC2025 Tentative Program

Ver.2025.10.8

Day	Time		Room A	Room B	Room C
23		18:00-20:00	Welcome Reception		

24	AM1	9:00-10:00	Keynote		
		10:00-10:20	Tee Brake		
	AM2	10:20-12:00	A-1-1(5)	A-5-1(4)	A-8-1(4)
		12:00-13:00	Lunch		
	PM1	13:00-14:40	A-1-2(5)	A-5-2(4)	A-8-2(4)
		14:40-15:00	Tee Brake		
	PM2	15:00-16:40	A-1-3(5)	A-6-1(4)	A-8-3(4)

25	AM1	9:00-10:00	Keynote		
		10:00-10:20	Tee brake		
	AM2	10:20-12:00	A1-4(4)	A-7-1(5)	A-8-4(4)
		12:00-13:00	Lunch		
	PM1	13:00-14:40	A1-5(4)	A-7-2(5)	A-8-5(4)
		14:40-15:00	Tee Brake		
	PM2	15:00-16:40	A-10-1(4)	A-7-3(4)	

26	AM1	9:00-10:00	Keynote		
		10:00-10:30	Tee Brake		
	AM2	10:30-11:30	Keynote		
		11:30-12:30	Lunch		
	PM1	12:30-14:10	A-10-2(4)	A-9-1(5)	A-4-1(5)
		14:10-14:40	Tee Brake		
	PM2	14:40-16:20	A-2-1(5)	A-9-2(5)	A-4-2(5)
		18:00-20:00	Gara Dinner		

27	AM1	9:00-10:40	A-2-2(5)	A-9-3(4)	A-3-1(5)
		10:40-11:00	Tee Brake		
	AM2	11:00-12:40	A-2-3(4)	A-9-4(4)	A-3-2(4)

DAY0, 23 Sun Room A

Day	Time	Room	Session	#	Authors	Title	Topics
18:00-20:00					Welcome Reception		

DAY1, 24 Mon Room A

Day	Time	Room	Session	#	Authors	Title	Topics
9:00-10:00					Keynote1		

10:00-10:20					Tee Brake		
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10:20-12:00	Chair				An Kiyong(LG electronics Co.,Ltd)			
	24	AM2	A	A-1-1	1	26Adli Hasan Bin Abu Bakar, Yiyi Zhang, Liangzhou Wang and Kian-Meng Lim	Experimental measurements of sound absorption by plants for urban noise mitigation	A-1:Vibration And Acoustical Analysis
	24	AM2	A	A-1-1	2	28Kenta Hara and Junji Yoshida	6 DOF Contribution Analysis Method Utilizing Virtual Point Transformation	A-1:Vibration And Acoustical Analysis
	24	AM2	A	A-1-1	3	29Takuma Kobatake and Junji Yoshida	Comprehensive Noise Factor Analysis Method for Drum Type Washing Machine Radiated Noise at Multiple Evaluation Points	A-1:Vibration And Acoustical Analysis
	24	AM2	A	A-1-1	4	86Tao Han, Lishu Duan, Hanbo Jiang, D. Michael McFarland and Huancai Lu	Fusion of FEA and SEA for Increased Bandwidth in Acoustic Duct Analysis	A-1:Vibration And Acoustical Analysis
	24	AM2	A	A-1-1	5	31Diego Martin Tuozzo and Nouredine Atalla	Assessment of Equivalent Plate Models for the Vibroacoustic Analysis of Multilayered and Heterogeneous Structures	A-1:Vibration And Acoustical Analysis

12:00-13:00					Lunch		
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				Chair	Hongkun Li (Dalian university of Technology)			
13:00-14:40	24	PM1	A	A-1-2	1	43Jun Peng, Yu Zhao and Yuxing Wang	Deep Learning-Based Speech Separation and Enhancement Algorithms for Digital Hearing Aids Scenes	A-1:Vibration And Acoustical Analysis
	24	PM1	A	A-1-2	2	30Maoto Gouda, Yuto Matsudashima and Junji Yoshida	Accuracy Evaluation and Improvement of Input Force Identification Method for Industrial Sewing Machine utilizing Component TPA	A-1:Vibration And Acoustical Analysis
	24	PM1	A	A-1-2	3	141An Kiyong, Cho Junghoon and Kim Wonjin	A study on the prediction of dehydration vibration and noise of front load washers using FBS(FRF-Based Substructure) method	A-1:Vibration And Acoustical Analysis A-5: Vibration Applications A-8: Dynamics Modelling and Analysis
	24	PM1	A	A-1-2	4	137Ryoto Hori and Takuya Yoshimura	Operating Transfer Path Analysis using Virtual Force for the Principal Response	A-1:Vibration And Acoustical Analysis
	24	PM1	A	A-1-2	5	78Shengkang Zong, Xiao Liang and Hui Zhang	A Novel Ultrasonic Guided Wave Excitation Method based on PSO-SAFE algorithm for Defect Detection in pipeline	A-1:Vibration And Acoustical Analysis A-2: Health Monitoring, Diagnosis A-4: Signal Processing

14:40-15:00					Tee Brake		
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				Chair	Junji Yoshida(Osaka Institute of Technology)				
15:00-16:40	24	PM2	A	A-1-3	1	32Yugang Chen, Weifeng Long and Hongkun Li	Model updating of the rotating mistuned bladed disk via BTT data and reduced order model	A-1:Vibration And Acoustical Analysis A-2: Health Monitoring, Diagnosis A-8: Dynamics Modelling and Analysis	
	24	PM2	A	A-1-3	2	114Kaspar Soltero and Stefanie Gutschmidt	Scalable Ecoacoustic Classification in Passive Acoustic Monitoring: A Multi-Stage, Multi-Sensor Approach	A-1:Vibration And Acoustical Analysis A-4: Signal Processing	
	24	PM2	A	A-1-3	3	12Seongsik Yoo, Kwi Hyun Kang and Howon Lee	Sensor placement optimization for enhanced reliability in blocked force evaluation and component-based transfer path analysis of automotive parts	A-1:Vibration And Acoustical Analysis A-4: Signal Processing A-8: Dynamics Modelling and Analysis	
	24	PM2	A	A-1-3	4	83Yang Liu, Fanhao Guo and Jingtao Du	Experimental approach to determine onset frequency of standing-wave thermoacoustic engines with general impedance boundaries	A-1:Vibration And Acoustical Analysis A-5: Vibration Applications	
	24	PM2	A	A-1-3	5	Byeongkeun Choi, Jeongjun Lee, Donghee Park and 89Jaegwang Yoon	Development of Full Spectrum Parameters for Rotating Machinery Diagnostics	A-1:Vibration And Acoustical Analysis A-5: Vibration Applications	

	DAY0, 23 Sun				Room B			
	Day	Time	Room	Session	#	Authors	Title	Topics
18:00-20:00						Welcome Reception		
	DAY1, 24 Mon				Room B			
	Day	Time	Room	Session	#	Authors	Title	Topics
9:00-10:00								
10:00-10:20						Tee Brake		
				Chari		Sachito Nakano(Toyota Central R&D Labs., Inc.)		
10:20-12:00	24	AM2	B	A-5-1	1	21Yuriko Akamatsu, Hiroki Mori and Takumi Inoue	Effect of Parameters on Beam Amplitude and Stability of Self-Tuning Beam-Slider Structure	A-5: Vibration Applications
	24	AM2	B	A-5-1	2	153Guiqing Zhang, Yingli Li and Lihua Tang	A hybrid piezoelectric-triboelectric generator with inertial amplification for vibration energy harvesting	A-5: Vibration Applications
	24	AM2	B	A-5-1	3	96Guang-An Yu, Fangyang Dong, Chuanqing Zhu, Taili Du and Minyi Xu	Vibration Energy Harvesting for Intelligent Ships based on Bouncing Ball Triboelectric Nanogenerator	A-5: Vibration Applications
	24	AM2	B	A-5-1	4	120Hiroki Mori, Asato Goto, Yuriko Akamatsu and Takumi Inoue	Behavior of self-tuning beam-slider structure near second mode resonance	A-5: Vibration Applications
12:00-13:00						Lunch		
						Md Mahbub Alam(Harbin Institute of Technology (Shenzhen))		
13:00-14:40	24	PM1	B	A-5-2	1	143Surawut Thanachartwet, Mohammad Fard, John Davy, Stephen Robinson and Kazuhito Kato	Combined Effect of Music and Applied Low-Frequency Vibration on Drivers of Semi-Autonomous Vehicles	A-5: Vibration Applications
	24	PM1	B	A-5-2	2	90Shotaro Sasano, Masahito Fujii, Shingo Maeda and Naoki Hosoya	Soft actuators for vibrating cheese	A-5: Vibration Applications
	24	PM1	B	A-5-2	3	157Mohamed Salman, Vladislav Sorokin and Kean Aw	Open Channel Liquid-Solid Triboelectric Nanogenerator for Wave Energy Harvesting	A-5: Vibration Applications
	24	PM1	B	A-5-2	4	123Sachito Nakano, Takashi Masutani, Sunao Tomita and Haruki Sato	Vibration control of multiple dynamic absorbers by applying a particle damper manufactured by selective laser melting	A-5: Vibration Applications A-9: Noise and Vibration Control
14:40-15:00						Tee Brake		
						Naoki Hosoya(Shibaura Institute of Technology)		
15:00-16:40	24	PM2	B	A-6-1	1	17Hiroki Matsumoto and Yuya Kusumi	Pronounced Aerodynamic Noise Peaks in a Compact Heat Sink and Louver Cooling System	A-6: Flow induced vibrations
	24	PM2	B	A-6-1	2	37Md Mahbub Alam	A review of blockage and wall effects on flow-induced vibrations of bluff bodies	A-6: Flow induced vibrations
	24	PM2	B	A-6-1	3	144Jingwei Zhang and Xiaojun Wei	Prediction of vortex-induced vibrations using complex nonlinear modal analysis	A-6: Flow induced vibrations
	24	PM2	B	A-6-1	4	47Tianxin Fang, Jinchen Ji and Zhen Luo	Bio-inspired Innovative Design of Wind Turbine Blades	A-6: Flow induced vibrations A-8: Dynamics Modelling and Analysis

	DAY0, 23 Sun					Room C				
18:00-20:00	Day	Time	Room	Session	#	Authors	Title	Topics		
	Welcome Reception									
	DAY1, 24 Mon					Room C				
9:00-10:00	Day	Time	Room	Session	#	Authors	Title	Topics		
	Tee Brake									
10:00-10:20	Qian Ding(tianjin university)									
	24	AM2	C	A-8-1	1	5Katsuhide Fujita, Takuma Suzuki, Toshihiko Okano and Kensuke Sasaki	Study on cleat ride-over characteristics of airless tire	A-8: Dynamics Modelling and Analysis		
	24	AM2	C	A-8-1	2	18Xin Chen, Guo-Kang Er and Chi Chiu Lam	A New Method for Analyzing the Dynamical Systems under both Random Excitation and Random System Parameters	A-8: Dynamics Modelling and Analysis		
	24	AM2	C	A-8-1	3	57Hiraku Takisawa, Ryota Ogushi, Shinya Honda, Katsuhiko Sasaki and Ryo Takeda	Optimization of fiber paths in composite laminates for enhanced vibration characteristics and material efficiency	A-8: Dynamics Modelling and Analysis		
	24	AM2	C	A-8-1	4	36Turky Aboqasirh, A.Prof. Jc Ji and Ahmed Al-Zubaydi	Dynamic Analysis of Gearless Offshore Wind Turbine Drivetrain System Under Variable Load Conditions	A-8: Dynamics Modelling and Analysis		
12:00-13:00	Lunch									
	Katsuhiko Kuroda(Nagasaki Institute of Applied Science)									
	24	PM1	C	A-8-2	1	38Le Chang and Li Cheng	Wave parameters of an acoustic black hole beam from exact wave-like solutions	A-8: Dynamics Modelling and Analysis		
	24	PM1	C	A-8-2	2	51Mohamed Elsaroukh and Motomichi Sonobe	Identification of Seated Postural Control System During Horizontal Seat Sway	A-8: Dynamics Modelling and Analysis		
	24	PM1	C	A-8-2	3	33Qian Ding, Xu-Sheng Liu and Meng-Xin He	MULTI-OBJECTIVE TOPOLOGY OPTIMIZATION OF SANDWICH LATTICE STRUCTURES FOR VIBRATION SUPPRESSION	A-8: Dynamics Modelling and Analysis		
13:00-14:40	24	PM1	C	A-8-2	4	59Xin Wang, Shinya Honda, Katsuhiko Sasaki and Ryo Takeda	ANN-SAO Optimization of Fiber Orientation to Enhance Fundamental Frequency of a Perforated Composite Laminate Plate	A-8: Dynamics Modelling and Analysis		
	Tee Brake									
	Shinya Honda(Hokkaido University)									
	15:00-16:40	24	PM2	C	A-8-3	1	65Nabil Mohamad Usamah, Ahmad Syafiq Nazri Shaari and Ahmad Zhafran Ahmad Mazlan	Numerical Investigation of DVA in Attenuating the Transmitted Hand-Arm Vibration From the Motorboat Engine	A-8: Dynamics Modelling and Analysis	
		24	PM2	C	A-8-3	2	14Kazuhito Kato and Kousuke Suzuki	Modeling of Occupant Behavior Due to Vehicle Body Pitch Motion in Passenger Cars	A-10: Multibody Dynamics A-8: Dynamics Modelling and Analysis	
24		PM2	C	A-8-3	3	91Vladimir Yotov and Guglielmo Aglietti	Towards frequency domain system identification for dynamic substructuring applications	A-8: Dynamics Modelling and Analysis		
24		PM2	C	A-8-3	4	102Takahiro Tsuchida and Koji Kimura	Reliability analysis for a nonlinear oscillator excited by Gaussian and Poisson white noises	A-8: Dynamics Modelling and Analysis		

	DAY2, 25 Tue					Room A				
9:00-10:00	Keynote2									
10:00-10:20	Tee Brake									
10:20-12:00	Yuki Amano(Railway Technical Research Institute)									
	25	AM2	A	A-1-4	1	107	Brian Mace, Michael Kingan and Yi Yang	Leaky waves and radiation damping: a wave and finite element approach	A-1:Vibration And Acoustical Analysis	
	25	AM2	A	A-1-4	2	3	Yoshihiro Narita	Finite Element Study for Vibration of Polar-orthotropic Shallow Spherical Shells	A-1:Vibration And Acoustical Analysis A-8: Dynamics Modelling and Analysis	
	25	AM2	A	A-1-4	3	156	Keisuke Yamada and Koji Takao	Extraction of traveling and evanescent waves from bending vibrations using modal analysis without Gibbs phenomenon	A-1:Vibration And Acoustical Analysis A-8: Dynamics Modelling and Analysis	
	25	AM2	A	A-1-4	4	158	Xingxing Lin, Vladislav Sorokin, Andrew Hall and Xueyi Zhao	Modal and Forced Response Analysis of Beams with Embedded Acoustic Black Holes Under Distributed Loading	A-1:Vibration And Acoustical Analysis A-8: Dynamics Modelling and Analysis	
12:00-13:00	Lunch									
13:00-14:40	Wei Wang(The University of Tokyo, Institute of Industrial Science)									
	25	PM1	A	A-1-5	1	92	Youngjin Park, Jaehyun Lim and No-Cheol Park	TPA-Based Structural Design and Haptic Rendering for Automotive Displays	A-1:Vibration And Acoustical Analysis A-8: Dynamics Modelling and Analysis A-9: Noise and Vibration Control	
	25	PM1	A	A-1-5	2	98	Yuki Amano, Shigeyuki Kobayashi, Yoshitaka Yamashita and Hiroshi Yabuno	Analysis of band gap properties and their effects on friction-induced vibrations in catenary-pantograph systems	A-1:Vibration And Acoustical Analysis A-8: Dynamics Modelling and Analysis A-9: Noise and Vibration Control	
	25	PM1	A	A-1-5	3	20	Chen Zhang, Yongpeng Gu and Xiaotian Li	An investigation of the High-frequency Isolation Performance of Quasi-Zero-Stiffness Vibration Isolators	A-1:Vibration And Acoustical Analysis A-9: Noise and Vibration Control	
	25	PM1	A	A-1-5	4	146	Seung-Hee Kim and Kyoung-Kyu Choi	Evaluation of Modal Superposition Strategy for Heavy-Impact Noise Prediction in Concrete Slabs with Varying Residential Floor Plans	A-1:Vibration And Acoustical Analysis A-9: Noise and Vibration Control	
14:40-15:00	Tee Brake									
15:00-16:40	Keisuke Yamada(Kansai university)									
	25	PM2	A	A-10-1	1	82	Wei Wang, Hiroshi Mouri and Kimihiko Nakano	Dual Points Pure Pursuit with Center of Percussion for Vehicle Kino-dynamic Path Tracking	A-10: Multibody Dynamics	
	25	PM2	A	A-10-1	2	112	Johnson Koay, Tokinobu Iinuma, Yoshihiro Kai, Yuma Takenaka and Kenichi Sugawara	Development of a New Non-Powered Arm Support Suit with Drum Type Mechanical Brakes Considering Horizontal Shoulder Motions	A-10: Multibody Dynamics	
	25	PM2	A	A-10-1	3	116	Yutaro Nishimoto, Shoichiro Takehara and Yoshiaki Terumichi	Effect of combination of support stiffness and tread gradient on stability of bogie hunting motion	A-10: Multibody Dynamics	
	25	PM2	A	A-10-1	4	140	Kangping Xiao, Wenbo Ni, Xuemei Wang, Yuxiang Cai and Yixin Liu	Analysis of pressure wave transmission characteristics of heavy haul train pipe based on neural network(full paper)	A-10: Multibody Dynamics	

	DAY2, 25 Tue					Room B				
9:00-10:00										
10:00-10:20	Tee Brake									
	Satoshi Ueno (Ritsumeikan University)									
10:20-12:00	25	AM2	B	A-7-1	1	49	Hiroshi Yamamoto, Terumasa Narukawa and Hisami Takeishi	Development of a Hydrostatic Air Suspension	A-7: Seismic, Isolation, And Damping	
	25	AM2	B	A-7-1	2	58	Ayumi Kondo, Osamu Furuya, Hirokazu Hora and Koki Yamamoto	Study on a New Seismic Design Method for Foundation Joints of High Aspect Ratio Cylindrical Tank	A-7: Seismic, Isolation, And Damping	
	25	AM2	B	A-7-1	3	60	Shunsuke Endo and Osamu Furuya	Study on the Influence of Nonlinear Elements in Mechanical Structures under Impact	A-7: Seismic, Isolation, And Damping	
	25	AM2	B	A-7-1	4	152	Xiaojiao Fu, Zhangjun Liu and Sixiang Han	The full paper of Time-domain dimension-reduction representation for stochastic ground motion via double-filtered white noise	A-7: Seismic, Isolation, And Damping	
	25	AM2	B	A-7-1	5	160	Yushi Yamamoto and Takumi Sasaki	Study on two-degree-of-freedom passive vibration isolation system using post-buckled Γ-shape beam elements	A-7: Seismic, Isolation, And Damping	
12:00-13:00	Lunch									
	Yasushi Ido(Nagoya Institute of Technology)									
13:00-14:40	25	PM1	B	A-7-2	1	66	Aoi Fukuzaki and Osamu Furuya	Study on advanced functional maintenance of high-pressure gas facilities using vibration control technique	A-7: Seismic, Isolation, And Damping	
	25	PM1	B	A-7-2	2	75	Taiki Sayo, Keiske Minagawa, Mizuki Seki, Tetsuya Yamamoto, Kazutaka Takahashi, Tomoyuki Kurata and Yuta Takahashi	Study on vibration control performance of steel dampers for sedimentation device with inclined plates	A-7: Seismic, Isolation, And Damping	
	25	PM1	B	A-7-2	3	80	Haruka Matsuya and Osamu Furuya	Study on vibration Control for Ground-Mounted Solar Panels	A-7: Seismic, Isolation, And Damping	
	25	PM1	B	A-7-2	4	99	Takumi Sasaki, Yuta Inotani and Mai Akiyoshi	Study on a passive isolator using an auxetic structure sandwiched between two thin plates	A-7: Seismic, Isolation, And Damping	
	25	PM1	B	A-7-2	5	119	Zixin Liu and Zhangjun Liu	Dimension-reduction Simulation of Stochastic Ground Motions Applying Frequency-domain Analysis and Engineering Applications	A-7: Seismic, Isolation, And Damping	
14:40-15:00	Tee Brake									
	Takumi Sasaki(University of Kitakyushu)									
15:00-16:40	25	PM2	B	A-7-3	1	61	Kosei Oba and Osamu Furuya	Study on seismic isolation system of elevators for evacuation during disasters	A-7: Seismic, Isolation, And Damping	
	25	PM2	B	A-7-3	2	62	Ryo Fujiura and Osamu Furuya	Study on Advancement for Response Control Device using Additional Vibration System	A-7: Seismic, Isolation, And Damping	
	25	PM2	B	A-7-3	3	42	Koki Hasegawa, Chao Zhang, Yuhiro Iwamoto and Yasushi Ido	Vibration Control Performance of Piston-mounted Impact Damper Utilizing an Elastomer Particle Assemblage	A-7: Seismic, Isolation, And Damping A-9: Noise and Vibration Control	
	25	PM2	B	A-7-3	4	71	Satoshi Ueno and Chengyan Zhao	Vibration control of a structure by using two magnetically levitated floaters	A-7: Seismic, Isolation, And Damping A-9: Noise and Vibration Control	

10:00-10:20

Tee Brake

Hiroshi Yabuno(University of Tsukuba), Yohei Hoshino(Kitami Institute of Technology)

A-8: Dynamics Modelling and Analysis

A-8: Dynamics Modelling and Analysis

A-8: Dynamics Modelling and Analysis

A-8: Dynamics Modelling and Analysis

Lunch

Takuya Yoshimura (Tokyo Metropolitan University)

A-8: Dynamics Modelling and Analysis

A-8: Dynamics Modelling and Analysis

A-8: Dynamics Modelling and Analysis

A-8: Dynamics Modelling and Analysis
A-9: Noise and Vibration Control

Tee Brake

15:00-16:40

	DAY3, 26 Wed					Room A									
9:00-10:00						Keynote3									
10:-10:30						Tee Brake									
10:30-11:30						Keynote4									
11:30-12:30						Lunch									
Osamu Furuya(Tokyo Denki University)															
12:30-14:10	26	PM1	A	A-10-2	1	164Mingzhu Jin, Ge Yan and Li Cheng	An integrated isolator for multi-directional low-frequency coupling vibration	A-10: Multibody Dynamics A-5: Vibration Applications A-7: Seismic, Isolation, And Damping A-8: Dynamics Modelling and Analysis							
	26	PM1	A	A-10-2	2	76Katsuhiko Kuroda	Research on the Vibration Characteristics of Thin Plate Structure as an Excitation Device for Audio Exciter	A-8: Dynamics Modelling and Analysis							
	26	PM1	A	A-10-2	3	94Toshiki Yokota and Taichi Shiiba	Evaluation of effect of bushings on anti-roll bar deformation with HIL experiment	A-10: Multibody Dynamics A-8: Dynamics Modelling and Analysis							
	26	PM1	A	A-10-2	4	95Jo Saito and Taichi Shiiba	Development and experimental evaluation of a steering model considering gear center distance variation in rack and pinion	A-10: Multibody Dynamics A-8: Dynamics Modelling and Analysis							
14:10-14:40						Tee Brake									
Taichi Shiiba(Meiji University)															
14:40-16:20	26	PM2	A	A-2-1	1	13Yutaka Nakano, Naofumi Yoshida, Kazuhiro Ooi and Shuichi Kawajiri	Study on Evaluation Method for Penetration of Cutting Bur at Cancellous Bone based on Spectrum Averaging in oral and maxillofacial surgery	A-2: Health Monitoring, Diagnosis							
	26	PM2	A	A-2-1	2	34Qianpeng Zhang, Hongkun Li, Mingyang Yuan, Yugang Chen, Chuang Wang and Yizhuo Yang	A Digital Twin Panoramic Stress Prediction Method for Rotating Impellers Based on SVR-XGBoost	A-2: Health Monitoring, Diagnosis							
	26	PM2	A	A-2-1	3	56Sodai Saito and Osamu Furuya	Study on Predictive Maintenance of Mechanical System using AI and Vibration Analysis	A-2: Health Monitoring, Diagnosis							
	26	PM2	A	A-2-1	4	69Byeong-Keun Choi, Jong-Young Moon, Dong-Hee Park, Jeong-Jun Lee, Jeong-Hyeon Yang and Jung-Pil Noh	Prediction improvement of deterioration trend of rotating machine using technical indicators	A-2: Health Monitoring, Diagnosis							
	26	PM2	A	A-2-1	5	85Reo Ataguchi, Daisuke Iba, Atsuhide Nishikawa, Hitoshi Shimasaki, Junichi Hongu, Naoki Yamashita and Chong Low Jing	Durability Evaluation of Smart Gears with Improved Sensor and Antenna Circuits through Operational Tests.	A-2: Health Monitoring, Diagnosis							
18:00-20:00						Gara Dinner									

	DAY3, 26 Wed										Room B										
9:00-10:00																					
10:-10:30																					
10:30-11:30																					
11:30-12:30																					
Toshihiko Komatsuzaki(Kanazawa University)																					
12:30-14:10	26	PM1	B	A-9-1	1	10	Kengo Murakami and Yuichi Matsumura	An inverse method to allocate multiple resonant frequencies of whole structure in three-dimensional finite element model	A-9: Noise and Vibration Control												
	26	PM1	B	A-9-1	2	24	Yao-Wei Chin, Zhenbo Lu and Boo Cheong Khoo	Micro slit metasurface with multi-volume back cavities silencer for tunnel ventilation fan	A-9: Noise and Vibration Control												
	26	PM1	B	A-9-1	3	25	Yao-Wei Chin, Zhenbo Zhenbo Lu and Boo Cheong Khoo	Ventilated acoustic metasurface with broadband low frequency sound insulation	A-9: Noise and Vibration Control												
	26	PM1	B	A-9-1	4	35	Tian Ran Lin and Hui Xu	An improved convex combination algorithm for the active impulse noise control	A-9: Noise and Vibration Control												
	26	PM1	B	A-9-1	5	48	Haruka Ogata, Shotaro Hisano, Hiroyuki Iwamoto and Satoshi Ishikawa	Wave-trapping Control For Acoustic Tube Using FIR Filter	A-9: Noise and Vibration Control												
14:10-14:40																					
Tian Ran Lin(Qingdao University of Technology)																					
14:40-16:20	26	PM2	B	A-9-2	1	52	Shuichi Sakamoto, Kohta Hoshiyama, Yoshiaki Kojima and Kenta Saito	Theoretical analyses and experiments on the dependence of the sound-absorption coefficient on the packing structure and grain size of powders and granules	A-9: Noise and Vibration Control												
	26	PM2	B	A-9-2	2	53	Toshihiko Komatsuzaki, Yusuke Daikuhara and Xuan Bao Nguyen	Semiactive vibration control of a metastructure with a variable stiffness property	A-9: Noise and Vibration Control												
	26	PM2	B	A-9-2	3	64	Yi Yang, Brian Mace and Michael Kingan	Effects of Curvature on Wave Energy Absorption in Spiral Acoustic Black Holes	A-9: Noise and Vibration Control												
	26	PM2	B	A-9-2	4	67	Kim Tae Hwan and Akira Saito	Vibration Suppression by Meta-structures with a Bandgap Utilizing Periodic Surface Geometry	A-9: Noise and Vibration Control												
	26	PM2	B	A-9-2	5	74	Manabu Sasajima, Yoshiteru Uchida, Aya Abe, Keiko Yamazaki and Ichiro Hagiwara	Development of Lightweight Sound-Absorbing Structures Using Origami Structures	A-9: Noise and Vibration Control												
18:00-20:00																					
Gara Dinner																					

DAY3, 26 Wed		Room C									
9:00-10:00											
10:-10:30											
10:30-11:30											
11:30-12:30											
Yu Sun(jiangnan university)											
12:30-14:10	26	PM1	C	A-4-1	1	22Kohei Wakui, Michiaki Matsuda, Akira Kikuchi and Ryota Hotta	Experimental Analysis of Acoustic Propagation Characteristics in Piping Systems	A-4: Signal Processing			
	26	PM1	C	A-4-1	2	77Keiichiro Kikuchi and Masami Matsubara	Beam vibration mode measurement using integrated dot centroid tracking and phase locked loop filming	A-4: Signal Processing			
	26	PM1	C	A-4-1	3	97Kota Inaba, Reo Fujimaki, Shingo Maeda and Naoki Hosoya	Biodegradable flexible sensor for measurement of high-frequency vibration	A-4: Signal Processing			
	26	PM1	C	A-4-1	4	100Chaoping Zang	Continuous scanning laser vibrometry method for measuring mode shape of the thin-walled aeroengine casing	A-4: Signal Processing			
	26	PM1	C	A-4-1	5	101Huageng Luo	Damage Detection and Condition Monitoring for RV Reducers Using Vibration Responses	A-4: Signal Processing			
14:10-14:40											
Chaoping Zang(Nanjing University of Aeronautics and Astronautics)											
14:40-16:20	26	PM2	C	A-4--2	1	135Hengshan Wu, Tianyang Wang, Shaodan Zhi and Fulei Chu	Frequency-domain Adaptive Synchronous Matching Extraction Transform for Extracting Group Delay Features of Non-stationary Signals	A-4: Signal Processing			
	26	PM2	C	A-4--2	2	150Yu Sun, Lei Su, Ke Li, Jiefei Gu, Xinwei Zhao, Yunxia Lou, Shu Cao, Guangpan Peng, Zhonghua Lu and Weipeng Duan	Flip-chip microbumps reliability study: enhancing defect features of vibration signals using dual-drive adaptive reweighted sparse framework	A-4: Signal Processing			
	26	PM2	C	A-4--2	3	142Zhangjun Liu, Wenteng Zhu and Xiaojiao Fu	The full paper of Advances in dimension-reduction methods for simulating multivariate non-stationary stochastic ground motions	A-4: Signal Processing A-7: Seismic, Isolation, And Damping			
	26	PM2	C	A-4--2	4	54Takeru Oikawa and Akira Saito	Identification of Magnitude and Location of External Forces acting on Structures from Measured Acceleration Based on Kalman Filter	A-4: Signal Processing A-8: Dynamics Modelling and Analysis			
	26	PM2	C	A-4-2	5	159Momone Tomizawa, Shunsuke Imada and Taichi Shiiba	Compensation of delay in tire-suspension HILS system with Kalman filter	A-3: Nonlinear dynamics A-4: Signal Processing A-8: Dynamics Modelling and Analysis			
18:00-20:00											
Gara Dinner											

TBD

9:00-10:40	27	AM1	A	A-2-2	1	111 Tao Jiang and Dongsheng Li	A new method for shape sensing of structural large deformations	A-2: Health Monitoring, Diagnosis
	27	AM1	A	A-2-2	2	117 Tawhidul Islam Khan, Md Mehedi Hasan and Arif Abdullah Rashid	Accurate Acquisition of Time of Arrival of AE Signals for Correct Damage Source Location in Structural Health Monitoring Technique	A-2: Health Monitoring, Diagnosis
	27	AM1	A	A-2-2	3	121 Kenji Terabayashi, Masaki Shiina and Tohru Sasaki	AI-powered anomaly detection of vibration data in weir roller gate for condition monitoring	A-2: Health Monitoring, Diagnosis
	27	AM1	A	A-2-2	4	122 Tianyi Tang, Kensuke Suzuki, Takuma Mastukura, Hajime Saito, Xingzhi Li, Yushin Hara and Kanjuro Makihara	Structural Parameter Estimation via Subspace Identification with a Limited Number of Sensors	A-2: Health Monitoring, Diagnosis
	27	AM1	A	A-2-2	5	125 Ming Fang, Keiichi Katayama, Akira Heya, Shigeyuki Tomimatsu and Tsuyoshi Inoue	Model-based evaluation of feature quantities variation in worn water-lubricated journal bearings with experimental validation	A-2: Health Monitoring, Diagnosis

10:40-11:00

Tee Brake

Kenji Terabayashi(University of Toyama)

11:00-12:40	27	AM2	A	A-2-3	1	Syedhesam Hosseinizadeh Mazloumi, Madhurjya Dev 149 Choudhury, Yuqian Lu and Jaspreet Singh Dhupia	Low-Cost Platform Architecture for Edge and Cloud-based Real-Time Vibration Condition Monitoring	A-2: Health Monitoring, Diagnosis
	27	AM2	A	A-2-3	2	163 Abdelgadir Abdelghani, Lim Hee and Mahmood Hammad	Prescriptive Maintenance of Rotating Machinery Using AI-Enhanced Vibration Reliability Modelling in Variable Operating Conditions	A-2: Health Monitoring, Diagnosis
	27	AM2	A	A-2-3	3	109 Peng Guo and Dongsheng Li	Damping Identification Using VMD-SSP under Ambient Vibration Conditions	A-2: Health Monitoring, Diagnosis A-4: Signal Processing
	27	AM2	A	A-2-3	4	70 Minseok Kang, Byeongkeun Choi, Jeongjun Lee and Donghee Park	Verification of feature-based machine learning algorithm Using Simulation data set	A-2: Health Monitoring, Diagnosis A-5: Vibration Applications

12:40-13:00?

Closing Session

	DAY4, 27 Thu					Room C				
	Stefanie Gutschmidt (University of Canterbury)									
9:00-10:40	27	AM1	C	A-3-1	1	9	Baiyang Shi	Nonlinear analysis of frictional jointed beams with inerter-based dynamic vibration absorber	A-3: Nonlinear dynamics A-8: Dynamics Modelling and Analysis	
	27	AM1	C	A-3-1	2	19	Masahiro Oki and Hiroshi Yabuno	Bifurcation analysis of impact oscillation in railway wheelsets due to flange contact	A-3: Nonlinear dynamics	
	27	AM1	C	A-3-1	3	27	Mai Zhang, Junri Nakagawa, Walter Lacarbonara and Hiroshi Yabuno	Simultaneous multiple mass-sensing resonators based on self-excitation in viscous environments	A-3: Nonlinear dynamics	
	27	AM1	C	A-3-1	4	73	Seigan Hayashi and Stefanie Gutschmidt	Experimental Characterisation of Actively Operated MEMS	A-3: Nonlinear dynamics	
	27	AM1	C	A-3-1	5	79	Miwa Sueda, Yota Watanabe, Chiharu Tadokoro and Takuo Nagamine	Energetic consideration of the effect of dynamic vibration absorber on synchronization between two unbalanced rotors	A-3: Nonlinear dynamics	
10:40-11:00	Tee Brake									
	Brian Mace (The University of Auckland)									
11:00-12:40	27	AM2	C	A-3-2	1	148	Xiaoxin Dai, Lihua Tang and Xiaojun Wei	Dynamics of a polynomial stiffness nonlinear vibration absorber subjected to harmonic excitation	A-3: Nonlinear dynamics	
	27	AM2	C	A-3-2	2	154	Ryan O'Sullivan, Stefanie Gutschmidt and Seigan Haysashi	Low-cost hardware and software package for control-based continuation	A-3: Nonlinear dynamics A-4: Signal Processing	
	27	AM2	C	A-3-2	4	16	Zhuogeng Zhang, Hongli Ji and Jinhao Qiu	Research on the Combined Nonlinear-Acoustic Black Hole Absorber in Panel Flutter Suppression	A-3: Nonlinear dynamics A-8: Dynamics Modelling and Analysis	
	27	AM2	C	A-3-2	5	88	Tao Han, Fei Ye, Michael McFarland and Huancai Lu	Nonparametric Stability Augmentation of a Nonlinear Pendulum with Nonperiodic Potential	A-3: Nonlinear dynamics A-8: Dynamics Modelling and Analysis	
12:40-13:00?	Closing Session									