ONLINE SESSION I			
TIME (Pacific)	WEDNESDAY, SEPTEMBER 13	SUBMISSION ID	
10:20~10:40	On metrics for information value quantification	458	
	Sebastian Thöns, Michael D. Todd, Mayank Chadha, Zhen Hu [Lund University, UC San Diego, University of Michigan-Dearborn]		
10:40~11:00	Development of a Fiber-Shaped ML-Perovskite Sensor for Structural Health Monitoring in Composites	229	
	Lucas Braga Carani [Florida State University]		
11:00~11:20	Impact Of Spectral Shift Quality (SSQ) On Fibre Optic Sensor Readings In Reinforced Concrete Beams	37	
	Minol Jayawickrema [University of Southern Queensland]		
11:20~11:40	Lamb Wave Actuation and Sensing Using Flexoelectric Transducers	72	
	Suraj Kumar Rout [Indian Institute of Technology Delhi]		
11:40~12:00	Metal-Organic Frameworks-Based Sensors for Detection of Toxic Environmental Contaminants	271	
	Sarah Clouse [University of North Alabama]		
12:00-12:20	Enhancement of Structural Health Monitoring Framework on Beams based on k- Nearest Neighbor algorithm	462	
	Wael Altabey, Mohammad Noori, Zhishen Wu, Ramin Ghiasi, Tianyu Wang, Sin-Chi Kuok, Ahmed Silik, Nabeel Farhan, Vasilis Sarhosis [Southeast University (Nanjing), Alexandria University, California Polytechnic State University]		

	ONLINE SESSION II	SUBMISSION ID
TIME (Pacific)	WEDNESDAY, SEPTEMBER 13	
14:00~14:20	Efficient lifecycle reliability assessment of offshore wind turbines using digital twin	361
	Arash Noshadravan [Texas A&M University]	
14:20~14:40	Gen III Piezoelectric PMN-PZT Single Crystal Sensors and Actuators for Structural Health Monitoring Application	8
	Ho-Yong Lee, Moon-Chan Kim, Hyun-Jae Joo [Sunmoon University]	
14:40~15:00	Wave-based damage identification in composite strips and 2D solids using inverse multiresolution wavelet methods	121
	Dimitris Dimitriou [University of Patras]	
15:00~15:20	A few-shot learning method for rotor unbalance and shaft crack fault diagnostic based on physics-informed CNN-LSTM	128
	Weikun DENG, Thi Phuong Khanh NGUYEN, Christian GOGU, Kamal MEDJAHER, Jérôme Morio	
15:20~15:40	[INP-ENIT] High Sensitivity Wireless Strain Sensor for SHM Applications	41
	Hassan Mahmoud [King Abdullah University of Science and Technology]	
15:40~16:00	A real-time framework for Structural Health Monitoring based on the Internet of Things - An experimental study	114
	Ishna Jain, Ajay Sreerama, Prafulla Kalapatapu, Venkata Dilip Kumar Pasupuleti [Mahindra University]	

ONLINE SESSION III		
TIME (Pacific)	THURSDAY, SEPTEMBER 14	SUBMISSION ID
14:00~14:20	Meta-Transfer-Learning based Damage Detection of CFRP Composite Structures	480
	Yan Chen, Cheng Liu [City University of Hong Kong]	
14:20~14:40	Delamination Damage Detection of CFRP Composite Structures using DSAN-based Deep Transfer Learning Approach	481
	Xuebing Xu, Cheng Liu [City University of Hong Kong]	
14:40~15:00	Recent Progress in Screen-Printed Smart Skin for Real-Time Load Detection in Structures	272
	Yu-Jin Jung [Hanyang university]	
15:00~15:20	Least-square support vector regression for the prognosis of the deteriorating structure under the seismic excitations using autoregressive model	53
	Shivam Ojha, Amit Shelke, Anowarul Habib [Indian Institute of Technology Guwahati]	
15:20~15:40	Sensor location optimization for Efficient Structural Health Monitoring through Intelligent Design	130
	Chethan Rao Boinipalli, Vinesh Reddy Vancha, Govardhan Polepally, Prafulla Kalapatapu, Venkata Dilip Kumar Pasupuleti [Mahindra University]	

ONLINE SESSION IV		
TIME (Pacific)	THURSDAY, SEPTEMBER 14	SUBMISSION ID
16:00~16:20	Quasi-static component generation of guided waves and its applications on damage detection	486
	Weibin Li, Chang Jiang, Mingxi Deng, Xinlin Qing [Xiamen University]	
16:20~16:40	Damage Diagnosis of Complex Connection Structures of Aircraft Fuselage Stringers with Guided Wave-based Method	81
	Yusen Xu, Jian Chen Shenfang Yuan Yahui Yang Zhen Qin	
	[Nanjing University of Aeronautics and Astronautics]	
16:40~17:00	Assessment of intermetallic compounds within dissimilar joints using nonlinear guide wave	322
	Mirna Mansour, Mohammad Ali Fakih, Fadi Al-Badour, Samir Mustapha	
	[American University of Beirut]	
17:00~17:20	Physics-Informed Neural Network for Analyzing Elastic Beam Behavior	490

	Soheil Heidarian Radbakhsh, Kamyab Zandi, Mazdak Nik-Bakht	
17:20~17:40	Design and analysis of nonlinear acoustical devices based on multiple scattering systems	455
	Jacek Filar, Angelis Karlos, Pawel Packo [AGH University of Science and Technology]	
17:40~18:00	Experimental and Numerical Studies of an Acoustic Coupler for Multiplexing of Guided Waves for SHM	32
	Cameron Marashi, Jee Myung Kim, Kara Peters [North Carolina State University]	