ISWAV 2024 Event Schedule

			Wednesday, 10.23	
9:00-10:30	Tutorial 1		Quinn D. Dane	Nonlinear dynamics and perturbation methods—Developing approximate solutions
10:30-10:50	Break			
10:50-11:50	Company 1		HBK	Latest developments in HBK noise source identification technology and new product introduction
11:50-13:30	Lunch			
13:30-15:00	Tutorial 2		Djafari Ali	Model-based and physics informed deep-learning NN structures: Application in acoustic imaging
15:00-15:20	Break			
15:20-16:20	Company 2		Aihua	(No formal presentation)
16:20-17:00	Student reception		EIT students	
17:30-18:30	Dinner			

			Thursday, 10.24	
9:00-9:10	Opening ceremony			Online greetings from Chin-An Tan, Lawarence A. Bergman and Alexander F. Vakakis
9:10-9:20	Opening ceremony			IDT President Professor Wenjun Zeng's kick-off speech
9:20-9:30	Opening ceremony			Group photo
9:30-10:30	Plenary 1		Quinn D. Dane	Modeling systems with isolated nonlinearities
10:30-10:50	Break			
10:50-11:50	Plenary 2		Djafari Ali	Vibro-acoustic data-based machine learning, Bayesian inference and quantifying uncertainties
11:50-13:30	Lunch			
13:30-15:10	Session 1	Presentation 1	卢亚中 Lu Yazhong	Locating and analyzing transformer low-frequency noises
		Presentation 2	曾章铭 Zeng Zhangming	Ultrasonic bat deterrent based on aerodynamic whistle
		Presentation 3	周向鑫 Zhou Xiangxin	Analysis of unsteady flow and aeroelasticity in turbomachinery based on modal decomposition
		Presentation 4	程相乐 Cheng Xiangle	Development of traveling waves in a tensioned Euler-Bernoulli beam with general viscoelastic boundary conditions using a two-point excitation approach
15:10-15:30	Break			
15:30-17:10	Session 2	Presentation 1	周达仁 Zhou Daren	Experimental validation of reconstruction of sound source radiation in an underwater half-space bounded by a water-air interface
		Presentation 2	初宁 Chu Ning	Separation and localization of aeroacoustic and stationary noise
		Presentation 3	金江明 Jin Jiangming	Experimental study of non-reciprocal acoustic energy transfer in asymmetric nonlinear vibro-acoustic systems
		Presentation 4	庞滔 Pang Tao	Study on the dynamics and sound radiation characteristics of tip vortex cavitation in hydrofoils
18:00-20:00	Banquet			

			Friday, 10.25	
9:00-10:00	Plenary 3		Ratiu Tudor	
10:00-10:20	Break			
10:20-12:00	Session 3	Presentation 1	赵伟伟 Zhao Weiwei	Research on fixed-wing UAV flocking control based on reinforcement learning
		Presentation 2	邹安格 Zou Ange	Rapid simulation analysis of the audio sound field in the middle frequency band of an enclosed space
		Presentation 3	段礼沭 Duan Lishu	Flux reconstruction solver for time-domain sound propagation simulation
		Presentation 4	吴涛 Wu Tao	Research on spur gear fault detection using a physics informed neural network
12:00-13:30	Lunch			
13:30-15:10	Session 4	Presentation 1	徐辉 Xu Hui	An improved normalized step-size algorithm based on an adjustable nonlinear transformation function for active noise control
		Presentation 2	杨建 Yang Jian	Power flow tailoring and nonlinear vibration suppression of dynamic systems
		Presentation 3	韩涛 Han Tao	Dimensionality reduction in the solution of the FPK equation using eigenvectors of the finite element coefficient matrices
		Presentation 4		
15:10-15:30	Break			
15:30-16:00	Closing ceremony			
17:00-18:00	Dinner			
18:00-21:00	Boat tour			

	Saturday, 10.26
9:00-12:00	Ningbo Science Hall Activity (科学咖啡馆)

An exposition featuring representatives and equipment from **Hottinger Brüel & Kjaer** and **Aihua Instruments** will be set up near the auditorium from 10.23 to 10.25.

1. All presentations and ceremonies will be held in the 1F conference room in Bldg 1 of the Eastern institute of Technology, 568 Tongxin Rd, Ningbo.
2. Lunches and dinners (except the banquet) will be served in the Institute canteen (Bldg 2, 2F).
3. The symposium banquet will be held at the Buffet Hall, 1F, Hyatt Centric Lakeside Hotel, 600 Tongyuan Road, Zhenhai District, Ningbo.
4. Speakers are asked to plan their presentations for approximately 20 minutes, plus a few minutes for questions.

The latest version of this program may be downloaded from https://iswav.com