

TECHNICAL PROGRAMME

Code	Theme	Code	Session	Chair(s)
T1	Active Control of Sound and Vibration	T1.0	General	XJ Qiu
		T1.1	Active Vibration Control	Tiejun Yang
		T1.2	Signal Processing for Active Control and Speech Enhancement	Jing Lu
		T1.3	Application of Active Control	Xiaojun Qiu
		T1.4	Active Structural Acoustic Control	A.P. Berkhoff
		T1.S1	Spatial Sound Field Reproduction, Control and Perception	Bosun Xie
T2	Acoustics Materials	T2.0	General	K Horoshenkov, Jie Zhu
		T2.1	Metamaterials	Jie Zhu
		T2.2	Acoustics of Porous Media	
		T2.3	Micro-Perforated Materials	YS Choy
		T2.4	Sound Absorbers	
		T2.S1	Sustainable Acoustic Materials	Francesco Asdrubali
		T2.S2	Porous Media with Non-Linear Effects and Its Application	K Horoshenkov
		T2.S3	Acoustic Metasurface for Noise Control	Xuefeng Zhu, Yong Li
T3	Aircraft Noise	T3.0	General	Xun Zhang
		T3.1	Airframe Noise	David Angland
		T3.2	Airframe Cabin Noise	Mark Downing
		T3.3	Airport Community Noise	Ichiro Yamada, Idar Ludvig Nilsen Granøien
		T3.4	Turbomachinery Noise	
		T3.5	Propeller and Rotor Noise	
		T3.6	Integration Effects and Flight Acoustics	Yueping Guo

		T3.7	Leading Edge and Airfoil Noise	Tatiana Kozubskaya
		T3.S1	Advanced Aeroacoustic Testing Facilities	Lou Cattafesta/XZ, Xun Huang
T4	Architectural Acoustics / Building Acoustics	T4.0	General	M Vorlander, YW Lam, Berndt Zeitler
		T4.1	Hall and Auditorium Acoustics	Jin Jeon, Takayuki Hidaka
		T4.2	Acoustics of Educational Facilities / Classroom Acoustics	Delphine Bard
		T4.3	Green Building Acoustics	SK Lau, SK Tang
		T4.4	Speech Transmission / Privacy	
		T4.5	Acoustic Regulations, Enforcement and Classification for New, Existing and Retrofitted Buildings	Birgit Rasmussen, Jeongho Jeong
		T4.6	Noise Reduction by Improving Building Envelopes	Fangsen Cui, SK Tang
		T4.7	Impact and Structure-borne Noise in Buildings	Berndt Zeitler, Atsuo Hiramitsu
		T4.8	Sound Transmission in Buildings & Control	Xianfeng Huang
		T4.9	Experimental Methods	
		T4.10	Sound Absorption	Kimihiro Sakagami, Kazuma Hoshi
		T4.11	Computational Techniques in Room and Building Acoustics	Toru Otsuru, Delphine Bard
		T4.S1	Light Weight Construction, Silent Timber Build	Jean-Luc Kouyoumji, Delphine Bard
		T4.S2	The Measurement and Prediction of Airborne and Impact Sound Insulation	John Davy
T6	Education	T6.0	Acoustics Education	Davies Patricia
T7	Environmental Noise	T7.0	General	Timothy Van Renterghem, J. Miguel Barrigón Morillas, Grace Kwok

		T7.1	Community Noise & Ratings	
		T7.2	Outdoor Sound Propagation	Timothy Van Renterghem
		T7.3	Construction Noise & Control	Grace Kwok, Douglas Manvell
		T7.4	Noise Barriers, Absorptive Claddings and Diffractive Barrier Tops	Jean Piere Clairbois
		T7.5	Noise Management, Policy and Public Engagement	Simon Shilton, Kinche Lam
		T7.6	Characterization of Urban Sound Environments	Pierre Aumond, Arnaud Can
		T7.7	Noise Mapping	Jordi Romeu, J. Miguel Barrigón Morillas, Christian Kirisits
		T7.8	Wind Turbine Noise : Sound Generation and Propagation	Frank Bertagnoli
		T7.9	Wind Frame Noise Perception	Andrew Bullmore
		T7.10	Long-Term Environmental Noise Monitoring	Jordi Romeu, J. Miguel Barrigón Morillas, Christian Kirisits, Dick Botteldooren
		T7.11	Environmental Sound Auralisation	Kurt Heutschi, M Vorlander
		T7.12	Combined Exposure to Noise and Other Environmental Disturbances	
		T7.13	Audio-Visual Interactions in Environmental Noise	
		T7.14	Economics of Environmental Noise	Abigail Bristow
		T7.15	Recreational Noise	
		T7.16	Environmental Low Frequency Noise	
		T7.S1	Inducing "Buy Quiet" Purchasing Attitudes	Jean Tourret, Patrick Kurtz
		T7.S2	Environmental Noise and Vibration Management around Construction Sites	Douglas Manvell, Grace Kwok
		T7.S3	Metrology – Calibration and Realization of Standards	Longbaio He
T8	Flow Induced Noise and Vibration	T8.0	General	Steve Hambric, Nicole Kessissoglou
		T8.1	Jet Noise	
		T8.2	Duct Acoustics	

		T8.3	Fan Noise	
		T8.4	Combustion Instability and Noise	
		T8.5	Experimental Methods and Applications	Carsten Spehr
		T8.6	Computational Methods and Applications	
		T8.S1	Noise and Vibration of Rockets	Won-Suk Ohm
		T8.S2	Noise Control Devices in Ducts	Ray Kirby, Lixi Huang
		T8.S3	Computational Aeroacoustics	Randolph Leung
T9	Industrial Noise	T9.0	General	
		T9.1	HVAC Noise, Its Ratings and Control	
		T9.2	Power Plants, Chemical/Refinery Plants and Industrial Noises	
		T9.3	Machinery Noises	
		T9.S1	Industrial Noise Sources – Identification and Control	James K. Thompson
		T9.S2	Noise Control Application in Transformer Station	Linke Zhang, Jiancheng Tao
T10	Noise & Health	T10.0	General	Irene van Kamp
		T10.1	Noise and Health in Children	Irene van Kamp, Kerstin Persson Waye
		T10.2	Acoustic Quality and Health	Brigitte Schulte-Fortkamp, Irene van Kamp
		T10.S1	Noise and Cardiovascular Effects	Elise van Kempen
		T10.S2	Effects of Changes in Noise & the Issue of Habituation	Truls Gjestland, AL Brown
T11	Psychoacoustics	T11.0	General	Sonoko Kuwano, Klaus Genuit
		T11.1	Recent Topics in Environmental Psychoacoustics	Sonoko Kuwano, Hugo Fastl
		T11.2	Exposure-Response Relationship for Transportation Sources (Social Survey)	Truls Gestland, Femke Gelderblom
		T11.3	Psychoacoustics Multisensory Perception and Interaction	Anna Preis

		T11.4	Physiological Approach to Noise Evaluation	
		T11.5	Auditory Models	Roland Sottek
T12	Acoustic Signal Processing	T12.0	General	Yang-Hann Kim, KT Wong
		T12.1	Noise Categorization	
		T12.2	Acoustical Holography / Beamforming / Microphone Array	Hyu Sang Kwon
		T12.3	Source Tracking and Parameter Estimations	
		T12.4	Sound Visualization and Manipulation	Jung-Woo Choi, Yang-Hann Kim
		T12.5	Signal Identification and Separation	
T13	Product Noise & Sound Quality	T13.0	General	Ercan Altinsoy
		T13.1	Product Sound Quality	Ercan Altinsoy, Masayuki Takada
		T13.2	Perception of Electric and Hybrid Vehicles: From Alert Sound Design to Interior Noise	Katsuya Yamauchi, Ercan Altinsoy
		T13.3	Sound in Multisensory Perception and Interaction	Ercan Altinsoy, Maeda Setsuo
T14	Soundscape & Noise Management	T14.0	General	J Kang, Brigitte Schulte-Fortkamp
		T14.1	Soundscape in Architecture, Urban Design, and Landscape	Jooyoung Hong, Francesco Aletta
		T14.2	Soundscape, Health, Quality of Life	Brigitte Schulte-Fortkamp, Irene van Kamp
		T14.3	Urban Sound Planning	L Maffei, Dick Bottleldooren
		T14.4	Soundscape and Its Application	Brigitte Schulte-Fortkamp, André Fiebig
		T14.S1	Alternative Urban Noise Mitigation Strategies	CK Chau, Massimiliano Masullo
T15	Speech & Communication	T15.0	General	Estella Ma, Benjamin Munson
		T15.1	Speech Science	

		T15.2	Accent Identification	Fangfang Li
		T15.3	Speech and Tone Perception	
		T15.4	Effects of Noise on Speech Assessment and Treatment	
		T15.S1	Noise Influence to Speech Intelligibility and Its Solution	Fei Chen, Estella Ma
		T15.S2	The Acoustics of Speech Communication	
T16	Transportation Vehicle Noise and Vibration	T16.0	General	Joseph Lai
		T16.1	Road Traffic Noise	Renzo Tonin, KK Lau
		T16.S1	Assistive Technology for Able-Bodied and Disabled People	Maeda Setsuo
T17	Tyre/Road noise	T17.0	General	Ulf Sandberg, W.T. Hung
		T17.1	Tyre/Road Noise Limits and Labelling – Impacts and Challenges	Ulf Sandberg, Yintao Wei
		T17.2	Generation and Modelling of Tyre/Road Noise	Gijsjan van Blokland
		T17.3	Measurement Methods for Tyre/Road Noise and Related Issues	Wing-Tat Hung, Renzo Tonin
		T17.4	Low Noise Road Surfaces	Anneleen Bergiers
		T17.5	Acoustic Properties of Tyres and Road Surfaces	Piotr Mioduszewski
		T17.6	Interior Tyre/Road Noise (Inside Vehicles)	
T18	Underwater and Maritime Noise	T18.0	General	Nicole Kessissoglou, Yegao Qu
		T18.1	Vibro-Acoustics of Marine Vessels and Offshore Structures	Meixia Chen, Laurent Maxit
		T18.2	Predictive Methods for Underwater and Maritime Noise	Denis Blanchet, Xiang Zhu
		T18.3	Underwater Noise Control	Yegao Qu
		T18.4	Underwater Flow Induced Noise	Nicole Kessissoglou
		T18.S1	Modelling, Measurement and Mitigation	Venugopalan Pallayil
T19	Vehicle Noise Vibration and Harshness (NVH)	T19.0	General	Hongliang Li, Cansong Gu

		T19.1	Air-Borne Noise in Vehicles	Mike Ma
		T19.2	Structure-Borne Noise in Vehicles	Jian Pang
		T19.3	Buzz, Squeak & Rattle	Xuanli Hu
		T19.4	Numerical Methods in Vehicle Noise & Vibration	Qunli Wu
		T19.5	Automotive Powertrain NVH	Chengwu Duan, Xiandong Liu
T20	Vibro-Acoustics	T20.0	General	Li Cheng, Steve Hambric
		T20.1	Application of Vibroacoustic Methods to Noise Control Treatment	Noureddine Atalla, Olivier Robin
		T20.2	Holographic Identification of Vibro-Acoustic Noise Sources	Jeong-Guon Ih, Diange Yang
		T20.3	Low Frequency Numerical Methods in Vibroacoustics	Steffen Marburg
		T20.3	Mid and High Frequency Numerical Methods in Vibroacoustics	Oriol Guasch, Laurent Maxit
		T20.4	Stochastic Vibroacoustic Problems: Method and Applications	Kheirollah Sepahvand
		T20.5	Vibro-Acoustic Experiments	Steve Conlon, Steve Hambric
		T20.6	Vibroacoustics of Composite Panels	Steve Hambric
		T20.S1	Acoustic Black Holes	Stephen Conlon, Adrien Pelat, Fabio Semperlotti, Elizabeth Bowyer

(Updated as of 29 March 2017)