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### Welcome to ICSV25, Hiroshima

The International Institute of Acoustics and Vibration (IIAV) together with the Prefectural University of Hiroshima have the great pleasure to welcome scientists and engineers from all over the world to attend the 25th International Congress on Sound and Vibration (ICSV25) to be held in Hiroshima from 8-12 July 2018.

#### Congress Venue & Accommodation

The Grand Prince Hotel Hiroshima, a resort hotel located just beside the Motouijna Park in Hiroshima Bay area and surrounded by Seto Inland Sea National Park, is the starting point of a fantastic cruise to Miyajima through the Seto Inland Sea, allowing one to discover a new resort experience. Although the Grand Prince Hotel Hiroshima is highly recommended, a variety of other hotels with a broad range of prices are available in the close vicinity of the Congress Venue.

#### **ORGANIZED BY**

The International Institute of Acoustics and Vibration(IIAV) jointly with

The Acoustical Society of Japan and

The Institute of Noise Control Engineering of Japan IN COOPERATION WITH

The Prefectural University of Hiroshima,

The Hiroshima City University and

The Kindai University

Subject Areas of The Scientific and Technical Programme

T01 Acoustical Measurement and Instrumentation

T02 Active Noise and Vibration Control

T03 Aeroacoustics and Aviation Noise

T04 Environmental Noise Mapping and Urban Soundscape

T05 Physical Acoustics, Ultrasound and Wave Propagation

T06 Industrial and Occupational Noise and Vibration

**T07 Machinery Noise and Vibration** 

T08 Materials for Noise and Vibration Control

T09 Psycho-, Physio-, and Bio-acoustics

T10 Road and Rail Traffic Noise and Vibration

T11 Room and Building Acoustics

T12 Signal Processing and Simulation

T13 Underwater and Maritime Noise

**T14** Acoustics Education





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**Publication** 

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8-12 July 2018 Hiroshima, Japan http://www.icsv25.org

# International Journal of **Acoustics and Vibration**



- Identification of Road Pavement Types Using Bayesian Analysis and **Neural Networks**
- Pneumatic-Piezoelectric Hybrid Vibration Suppression For a Flexible Translating Beam Using Adaptive Fuzzy Sliding Mode Control **Algorithm**
- Active Vibration Control of Cantilever Beam with Macro-Fibre Composite Actuator Using Time-Delayed Genetic Algorithm Controller
- Flow-Induced Flutter Instability of Functionally Graded Cantilever Pipe
- Investigation of Stick-Slip Vibration in a Commercial Vehicle Brake Assembly
- Exact Closed-Form Solution of Vibrations of a Generally Restrained Circular Plate with Crack and Weakened Along an Internal Concentric Circle
- Evaluation of a Vibration Text Fixture
- Application of Improved Accelerated Random Search Algorithm for **Structural Damage Detection**
- Dual-Phase-Lag Model on Generalized Magneto-Thermoelastic Interaction in a Functionally Graded Material
- Integrated FE-LE Modelling Method For a Simplified Balanced-Armature Receiver
- Combined Method of Near Field Acoustic Holography and Focused Beamforming for Noise Source Identification in Enclosed Space
- Dynamic Analysis of a Wrap-Spring One-Way Clutch in Spur Gear **System and Its Parameters Effect**

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The International Journal of Acoustics and Vibration is the refereed journal of the International Institute of Acoustics and Vibration (IIAV). The IIAV is a non-profit international scientific society founded in 1995. The primary objective of the Institute is to advance the science of acoustics and vibration by creating an international organisation that is responsive to the needs of scientists and engineers concerned with the acoustics and vibration problems all around the world.

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# Photos from the 24th International Congress on Sound and Vibration London, England, 23–27 July 2017



Jens Blauert giving a keynote lecture.



IIAV President, Jorge Arenas, and Past President, Marek Pawelczyk during the IIAV Executive Committee meeting.



The landscape of London close to the congress venue.



An exhibition during the congress.



A tour of the IIAV members.



IIAV Executive Director, Malcolm Crocker, and the General Chair of the previous ICSV in Athens, Konstantinos Vogiatzis.