

Exhibition and Sponsorship

Companies are invited to take part in the ICSV20 exhibition. All refreshment breaks, including morning and afternoon tea, coffee and lunch, will be held within the exhibition area. In addition, the exhibition area is located near to the scientific programme lecture halls, thus guaranteeing a high level of delegate visitation. Many attractive possibilities for sponsorship are also available, allowing for choice of best-suited option to present company or product. The exhibition and sponsorship prospectus, giving complete detailed information as well as relevant application forms and contact details is ready for downloading at the Congress website: www.icsv20.org. For further information, contact ICSV20 Exhibition Manager: Michel Rosmolen at icsv20-exhibition@geonoise.com

Accommodation

The ICSV20 Congress will be held in the five-star Imperial Queen's Park Hotel. This hotel has 1,251 rooms, including premier, deluxe and suites. Special rates for single and double occupancy have been negotiated as follows: delegate rates: single/double \$90 USD for Deluxe and \$107 USD for Premier; Student room single and/or double occupancy for total of \$67 USD. These rates include all taxes and daily breakfast along with free internet access.

Transportation

80 airlines serve Bangkok Suvarnabhumi International Airport. The Airport Rail Link (ARL) is connected to the Skytrain (elevated rail) and the MRT (underground rail system.)

Further Information

Further information about the 20th International Congress on Sound and Vibration is available on the Congress website: www.icsv20.org
E-mail: paosawat@sc.chula.ac.th

International Organising Committee:

- ❖ Chair: Malcolm J. Crocker, USA
- ❖ Luis Bento Coelho, Portugal
- ❖ Hans Bodén, Sweden
- ❖ Barry Gibbs, UK
- ❖ Eleonora Carletti, Italy
- ❖ Colin Hansen, Australia
- ❖ Nickolay Ivanov, Russia
- ❖ Marek Pawelczyk, Poland
- ❖ Semyoung Wang, South Korea

Local Organising Committee

- ❖ Supot Hannongbua, General Chair
- ❖ Boonchoat Paosawatanyong, Local Chair
- ❖ Worawan Bhanthumnavin, Co-Chair
- ❖ Michel Rosmolen, Exhibition Manager
- ❖ Sorasak Danworaphong, Technical Programme Chair

Registration

Registration will be available via the Congress website. The fees are given in US\$. The full registration fee includes book of abstracts, proceedings (on cd-rom), attendance of all scientific sessions and the exhibition, coffee breaks, lunches, welcome reception, and banquet. ICSV20 Registration Fee:

| Category | Early | Late |
|---------------------|----------|----------|
| IIAV Member | 620 US\$ | 700 US\$ |
| Non-member | 700 US\$ | 800 US\$ |
| Student | 350 US\$ | 400 US\$ |
| Accompanying person | 200 US\$ | 220 US\$ |

The registration fee entitles presentation of only one paper. Additional presentations are each charged an extra paper fee of 100 US\$.

Key Dates

| | |
|------------------------------------|------------------------|
| Proposals for Structured Sessions: | 1 November 2012 |
| Abstract Deadline: | 1 December 2012 |
| Notification of Acceptance: | 28 February 2013 |
| Submission of Full-Length Papers: | 1 April 2013 |
| Deadline for Early Registration: | 1 April 2013 |

The International Institute of Acoustics and Vibration (IIAV) is affiliated to the international Union of theoretical and Applied Mechanics (IUTM).

See IIAV website www.iiav.org

ICSV20

20th International Congress on Sound & Vibration

7-11 July, 2013 Bangkok, Thailand

www.icsv20.org

Under the Auspices of:

International Institute of Acoustics and Vibration
Faculty of Science, Chulalongkorn University
Acoustical Society of Thailand
The Science Society of Thailand

In Cooperation with:

School of Science Walailak University
Pollution Control Department of Thailand
Australian Acoustical Society
Acoustical Society of China
Acoustical Society of India
Acoustical Society of Singapore
Chinese Society of Vibration Engineering
Hong Kong Institute of Acoustics
Korean Society for Noise and
Vibration Engineering



Invitation

We are pleased to welcome you to the 20th International Congress on Sound and Vibration ICSV20 to be held in Bangkok, Thailand, from 7 to 11 July 2013. ICSV20 is one of the largest congresses in the world in the fields of acoustics, noise and vibration, and therefore is a major opportunity for you to present your latest results and learn about the most advanced theories, technologies and applications. It is the premier annual world event organised by the International Institute of Acoustics and Vibration (IIAV). The Congress will be held under the honorary patronage of the Faculty of Science, Chulalongkorn University; the Acoustical Society of Thailand and the Science Society of Thailand.

Congress Venue

Bangkok, Thailand is a thriving metropolis and the spiritual, cultural, political, commercial, educational and diplomatic center of Thailand, Bangkok is a multi-faceted city that caters to all interests. Its unique blend of the old and new makes Bangkok, the capital city, one of Asia's most exciting cities. On a less formal note, participants will be spoilt for choice. Dining and shopping experiences can range from the street-side eateries and vendors to the ultra-sleek restaurants and shopping malls. In a nutshell, there is always something for everyone. Bangkok today is widely considered to be one of the most dynamic and colourful cities in Asia. Its history is no less a colourful transformation from a sleepy village to a fast-paced 21st century megacity, with a modern city skyline. Bangkok has considerable cultural and historical significance, from the early days to its expansion in the nineteenth century. Bangkok's evolution into the current regional hub of Asia came about while preserving the city's unique soul and character, with its landmarks of temples and palaces that remain relatively unchanged over the years. To learn more about Bangkok visit www.bangkok.go.th

Social Programme

The social programme prepared for the enjoyment of both the participants of ICSV20 and accompanying persons includes Welcome Reception, Banquet, Farewell Cocktail and a tour of cultural and historic districts of Bangkok.

Scientific Programme

The main topics of the 20th International Congress on Sound and Vibration include, but are not limited to the following (in alphabetical order):

- ❖ Aero-Acoustics and Aviation Noise
- ❖ Architectural and Building Vibro-Acoustics
- ❖ Audiology, Hearing Aids and Cochlear Implants
- ❖ Boundary Element Method
- ❖ Combustion Noise and Thermo-Acoustics
- ❖ Community and Environmental Noise
- ❖ Condition Monitoring and Vibration Testing
- ❖ Damping Technology and Materials
- ❖ Finite Element Method
- ❖ Flow Induced Noise
- ❖ Fluid-Structure Interaction
- ❖ Hardware and Software Platforms
- ❖ Hearing Protection

- ❖ Human Response to Noise and Vibration
- ❖ Industrial Noise
- ❖ Infrasound
- ❖ Modal Analysis
- ❖ Musical Acoustics
- ❖ Noise and Vibration in Ships and Vehicles
- ❖ Noise Modeling and Mapping
- ❖ Noise Source Identification
- ❖ Outdoor Sound Propagation
- ❖ Passive Noise and Vibration Control
- ❖ Signal Processing in Acoustics and Vibration
- ❖ Sound Intensity
- ❖ Sound Quality
- ❖ Speech Intelligibility and Communication
- ❖ Standards in Acoustics, Noise and Vibration
- ❖ Transportation and Urban Noise
- ❖ Ultrasound and Ultrasonic Measurements
- ❖ Vibration of Smart and Composite Material Systems

Structured Sessions

- ❖ Acoustical Boundary Elements
Martin Ochmann, Germany (ochmann@beuth-hochschule.de)
- ❖ Acoustical Holography
Jeong-Guon Ih, Korea (J.G.Ih@kaist.ac.kr)
- ❖ Acoustics of Flow Ducts and Mufflers
Hans Boden, Sweden (hansbod@kth.se)
- ❖ Active Control of Sound
Marek Pawelczyk, Poland (Marek.Pawelczyk@polsl.pl)
- ❖ Active Noise and Vibration Control
Sven Johansson, Sweden (sven.johansson@bth.se)
- ❖ Active Noise and Vibration Control of Systems and Structures
Abdolreza Ohadi, Iran (a_r_ohadi@aut.ac.ir)
- ❖ Advanced Signal Processing in Sound and Vibration
Akira Ikuta, Japan (ikuta@pu-hiroshima.ac.jp)
- ❖ Advances in Sound Absorbing Materials
Jorge P. Arenas, Chile (jparenas@uach.cl)
- ❖ Aeroacoustics
Shojiro Kaji, Japan (S.kaji@jcom.home.ne.jp)
- ❖ Aircraft Cabin Noise Control
Gopal Mathur, USA (gopal.p.mathur@boeing.com)
- ❖ Architectural and Building Acoustics
Jian Kang, UK (j.kang@sheffield.ac.uk)
- ❖ Bioacoustics & Vehicle Noise Vibration and Harshness
Joseph Lai, Australia (j.lai@adfa.edu.au)
- ❖ Combustion Dynamics, Acoustics, Vibration and Fatigue
Jim B.W. Kok, the Netherlands (J.B.W.Kok@ctw.utwente.nl)
- ❖ Environmental Noise from Urban Transportation
Konstantinos Vogiatzis, Greece (kvogiatz@uth.gr)
- ❖ Hearing Protectors for Steady and Impulsive Noise
Samir Gerges, Brazil (samir@emc.ufsc.br)
- ❖ Human Response to Noise and Vibration
Jerzy Wiciak, Poland (wiciak@agh.edu.pl)
- ❖ Machinery Health Monitoring
Zhuang Li, USA (li.zhuang.yuxie@gmail.com)

- ❖ Muffler Acoustics
M. L. Munjal, India (munjal@mecheng.iisc.ernet.in)
- ❖ New Acoustics Based on Metamaterials & Nonlinear Acoustics & Vibration
W. S. Gan, Singapore (wsgan@acousticaltechnologies.com)
- ❖ Railway Noise and Vibration
Wilson Ho, China (who@wal.hk)
- ❖ Solutions to Noise Problems for Smart Cities
Sergio Luzzi, Italy (sergio.luzzi@vienrose.it)
- ❖ Space Vehicles Noise and Vibration
Haisam Osman, USA (haisam.a.osman@ulalaunch.com)
- ❖ Structural Defects Detection by Vibro-Acoustics Methods
J. L. Guyader, France (Jean-louis.guyader@insa-lyon.fr)
- ❖ Structural Vibration and Vibration Control
Pinqi Xia, China (xiapq@nuaa.edu.cn)
- ❖ Transport Noise and Vibration Reduction
Nickolay I. Ivanov, Russia (noise@mail.rcm.ru)
- ❖ Wave Propagation in Solids and Structures
Sergey V. Sorokin, Denmark (svs@m-tech.aau.dk)

Keynote Lectures

- ❖ Hearing Loss Prevention and Auditory Awareness in the Noisy Workplace
Christian Giguère, Ottawa, Ontario, Canada
- ❖ Numerical Prediction of the Signature of Maritime Platforms
Nicole Kessissoglou, Sydney, Australia
- ❖ Saving Campbell Diagram for Dynamic Analysis of Complex Rotor Systems
Chong-Won Lee, Taejeon, South Korea
- ❖ Urban Noise Management and Its Practical Implementation
Sergio Luzzi, Florence, Italy
- ❖ Statistical Energy Analysis (SEA) Applications in Vibration and Noise
Dhanesh N. Manik, Powai, Mumbai, India
- ❖ Applications of The Acoustical Boundary Element Method (BEM) and Related Green's Functions
Martin Ochmann, Berlin, Germany
- ❖ Bionic Design of Acoustic Localization System Based on Auditory Orientation Mechanisms
Zhushi Rao, Shanghai, China

Submission of Abstracts & Full Papers

All authors are kindly requested to submit an abstract (300 words maximum) related to the topics of the Congress through the Congress website www.icsv20.org

In case of any questions please do not hesitate to contact Dr. Boonchoat Paosawatyanong
E-mail: paosawat@sc.chula.ac.th

www.icsv20.org