



香港聲學學會

Hong Kong Institute of Acoustics

TECHNICAL VISIT TO
HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Preliminary announcement

The Indoor Acoustic Sub-committee invites you to join the captioned technical visit scheduled on 13th January 2018 (Saturday).

Programme Highlights

After some fifteen years of research and development, in addition to further the understanding of fundamental physics, membrane-type elastic meta-materials have evolved into three types of functional devices, namely sound blocking, sound absorption, and vibration damping. These devices are compact, lightweight, broadband, can be made with all metallic components to function in extreme environments. These devices are also easy to install. Current research activities include working on the application of these devices in a wide range of areas, such as residential and commercial building soundproof walls and floors/ceilings, trains, motor vehicles, ships, aircraft, highway and railway noise control, factories, construction machinery, power plants, etc.

Speaker

Professor Yang, Zhi Yu, Jason, is the Professor of Department of Physics, and the Environmental Science Program at the University of Science and Technology. Prof Yang's research area at present is the experimental elastic metamaterials. He participated in the study of the original locally resonant sonic metamaterials (coated spheres) and invented the membrane type metamaterials, based on which some novel structures and properties were discovered. These metamaterials have a vast range of applications in residential and commercial buildings, trains, ship, aircraft, factories, power plants, satellites and spacecraft, etc.

Registration

The visit is free of charge for members of the Hong Kong Institute of Acoustics and HK\$100.00 for non-members. The total number of participants is limited to 40 for this event. Registration is accepted on a first-come-first-served basis and preference will be given to members of the Institute. If interested, please register via the following link by 6 Jan 2018.

<https://docs.google.com/forms/d/e/1FAIpQLSemkmSX-hhVWUS2B8GrDRx1aBHSyBp7AkoYOIVWQHUVogkDNg/viewform?c=0&w=1>

Confirmation will be issued to the accepted participant.

Itinerary for the visit

Venue HKUST Room 4504

Time Programme

10:00-10:15 Registration

10:15-11:45 Seminar & Demonstration on Damped Noise Shields

11:45-12:00 Q&A

12:00 Event ends

For any queries, please don't hesitate to contact our Mr. Henry CHAN – Indoor Acoustics Sub-Committee at 2815 7028 or hc@aechk.com.