



香港聲學學會 Hong Kong Institute of Acoustics

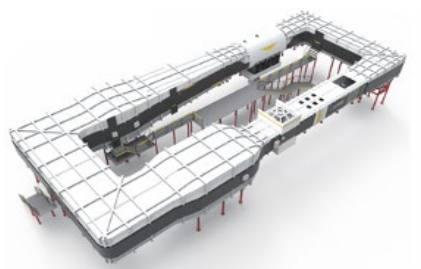
27 August 2024

Technical Visit to the Aerodynamics and Acoustics Facility at the Hong Kong University of Science and Technology

The Hong Kong Institute of Acoustics (HKIOA) is pleased to invite members to visit the Aerodynamics and Acoustics Facility (AAF) at the Hong Kong University of Science and Technology (HKUST), formerly known as the CLP Power Wind/Wave Tunnel Facility (WWTF) on **05 October 2024** (Saturday), **10am to 12pm**.

The AAF is one of HKUST's central research facilities, first opened by the Honorable Tung Chee Hwa, Chief Executive of Hong Kong SAR and Chancellor of HKUST, and the Honorable Michael D. Kadoorie, Chairman of CLP Holdings, on 9 June 2000. Between 2015 and 2019, the facility underwent a major redevelopment, providing in a state-of-the-art low-noise wind tunnel and world-class large acoustic testing laboratories, ushering in a new era of advanced aerodynamics and acoustics research and development.

The AAF supports local institutions and industries with their research and development needs, and houses Hong Kong's largest acoustic testing facilities, including a large anechoic chamber, a large reverberation chamber, and a novel acoustics-fluids testing platform. The Reverberation and Anechoic Chambers serve as the foundation for conducting standard acoustical assessments, including tests for sound power, sound absorption, and sound insulation. The facility not only spearheads university research but also extends specialized services to our esteemed industry collaborators. The AAF is also equipped with a Small Wind Tunnel for smaller-scale experiments,



featuring a highly modifiable test section that can be adapted to a wide range of equipment and instruments. The Large Low-Speed Wind Tunnel, developed in 2019, houses an Aerodynamic Test Section and a Boundary-Layer Test Section, facilitating comprehensive General Aerospace Research and Civil Engineering Aerodynamic Testing including but not limited to structures like buildings and facades.

Professor Xin ZHANG (張欣), the Swire Professor of Aerospace Engineering at HKUST, will introduce the AAF to the participants. Professor ZHANG, an authority on aircraft noise, holds a PhD in fluid mechanics from the University of Cambridge, UK, and a BEng in aerospace engineering from the Beijing University of Aeronautics and Astronautics, China. He has published over 200 papers, including 95 archival publications, and supervised nearly 50 PhD/EngD students.



Participation priority will be given to HKIOA members. The visit is free of charge but is limited to 30 persons. The application deadline is 20 September 2024 (Friday). The successful candidates will be notified separately on a first-come, first-serve basis. An electronic CPD certificate of 2 hours will be granted via email to the participants after the visit.

Members who would like to join the visit can click the following link/QR Code <https://form.jotform.com/242332354578459>. Successful applicants will be informed by a confirmation email later.



Environmental Noise Subcommittee
HKIOA