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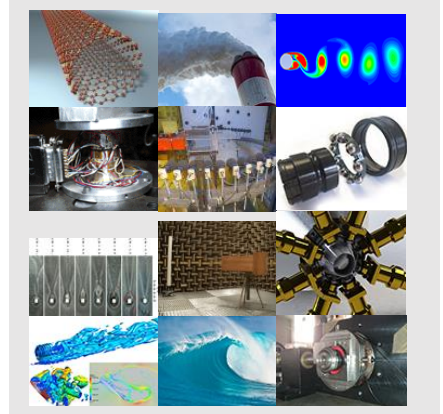
Acoustics and Vibration Research

Acoustics, Vibration and Control
Research Group

Project description

The Acoustics Vibration and Control group was established in 1987 and continues to conduct world-class research.

We are seeking motivated individuals to undertake PhD research projects in acoustics and vibration topics such as: active noise and vibration control, vibro-acoustics, structural acoustics, sound radiation, ultrasound, combustion acoustics, acoustic meta-materials, acoustic cloaking, thermo-acoustics, signal processing, statistical energy analysis, acoustic beam-forming, psycho-acoustics, silencers and mufflers, improving transmission loss of panels, carbon-nanotube and graphene for improving acoustic absorption of materials, outdoor sound propagation models, sound radiation from hot jets from exhaust stacks, micro-perforated arrays, underwater acoustics and underwater communications, cavitation and bubble collapse, auralisation, aircraft noise, acoustic levitation and material sorting, active vibration control, active and passive vibration isolation, vibration condition monitoring, magnetic levitation, structural health monitoring, digital image correlation, vibration black-holes, modal analysis, and many more.



Student attributes

Interested students should have background knowledge in acoustics or vibrations, MATLAB, self-motivated, an inquisitive mind, and an attention to detail.

For further enquiries

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