



NOTICE OF TECHNICAL MEETING

AAS Members and interested parties are invited to the following event

Poro-elastic Acoustic Meta Materials

**Tuesday September 2, 2014 - 2:45pm for a 3pm start
Engineering Lecture Theatre 2
(Civil & Mechanical Engineering Building)
University of Western Australia**

Meta materials are defined as material systems which have properties not readily available in nature. One major advantage of meta materials are that they are designable thus offering their efficient application to a class of problems. Work has been carried out at Virginia Tech over the last five years on developing poro elastic acoustic meta materials (AMM).

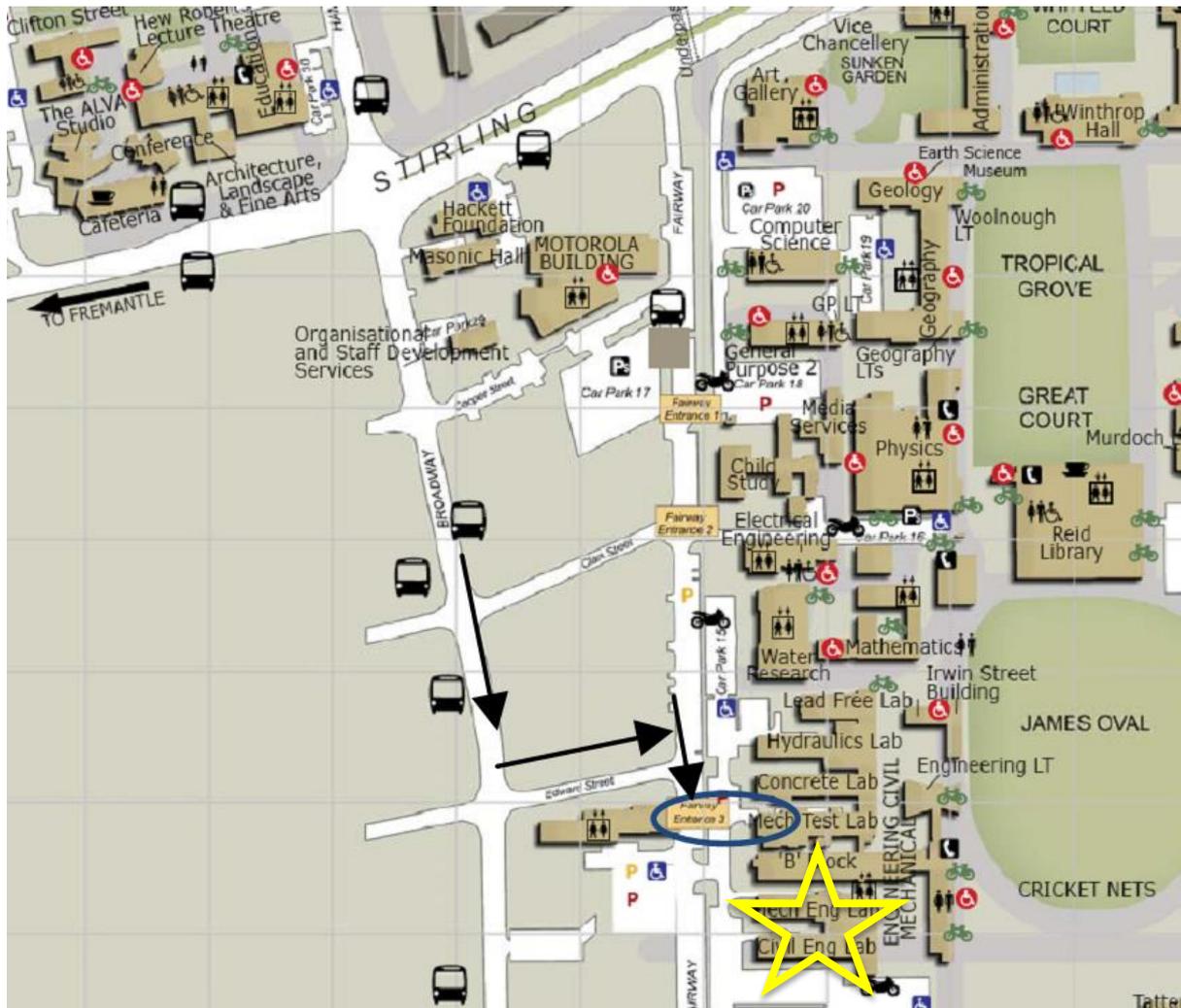
These AMM are designed to have increased acoustic absorption and/or transmission loss. The presentation will begin by reviewing past work in AMM and then will discuss experimental and numerical work at Virginia Tech on poro-elastic AMM. The applications of this new class of materials are numerous; from automobile interiors to launch vehicle payload fairings.

Presented by Professor Chris Fuller, Samuel Langley Distinguished Professor of Engineering at Virginia Tech University, United States.

In his 40+ year career, Prof. Fuller has authored over 170 papers in various major technical journals and holds over ten patents in active control, four of which are in commercial use. He is the pioneer of two major fields in acoustics and vibration; "Active Structural Acoustic Control" and more recently "Heterogeneous Composite Materials for Passive Sound and Vibration Control". He is a Fellow of the Acoustical Society of America and an Associate Fellow of the AIAA. Prof. Fuller has served on the Board of Directors of the International Institute of Sound and Vibration and the Institute of Noise Control Engineers.

Prof. Fuller has taught over a dozen short courses in active noise and vibration control in the US, Japan, Europe and Australia. Prof. Fuller regularly consults with industry on active and passive noise control applications and products.

**To assist with catering and security, please RSVP to
jie.pan@uwa.edu.au should you wish to attend.**



Do you have a topic to present or discuss or know someone interested?

Forward your suggestions to wa-secretary@acoustics.asn.au