



Australian Acoustical Society  
Queensland Division

**AGM & Technical Meeting**  
***Investigation of Diffusion Levels in a Reverberation Chamber***

**6:00pm Wednesday 21<sup>st</sup> October 2015**

- Date:** Wednesday 21<sup>st</sup> October 2015
- Program:** Doors open: 6:00pm  
AGM: 6:30pm to 7:00pm  
Technical Talk: 7:00pm to 8:00pm  
Social drinks and canapés: 8:00pm to 8:30pm
- Venue:** The Greek Club  
29 Edmondstone Street  
South Brisbane QLD 4101  
<http://www.thegreekclub.com.au>
- Title:** “Investigation of Diffusion Levels in a Reverberation Chamber”
- Description:** Reverberation chambers are custom built facilities that are used to measure various acoustic properties of materials. However these facilities have been plagued with poor inter-laboratory results due to the lack of sufficiently diffuse sound fields. The aim of this project was to quantify the existing levels of diffusion in a reverberation chamber and to assess the significance that the diffuser panel orientations have on the diffusion via ray-tracing computer modelling. This talk will discuss some of the current diffusion measurements, issues associated with diffusion measurement and the results obtained during this project.
- Presenter:** Jack Vallis is currently completing his final year of an integrated Bachelor and Master of Mechanical Engineering degree at the University of Queensland. Jack discovered his interest in acoustics while completing the Engineering Acoustics course at the UQ, where he was the recipient of the Queensland Division Australian Acoustical Society Book Prize in 2014. To further pursue his interest in the field, he recently completed his Master’s thesis testing a reverberation chamber for which he was the recipient of the R.J. Hooker Bursary in 2014.
- Cost:** Free to current members of the Australian Acoustical Society. For non-members of the Society the cost to attend is \$20, payable by cash on the night for which a receipt will be subsequently issued.
- RSVP:** By CoB Tuesday 20<sup>th</sup> October to Richard Devereux  
[rdevereux@acran.com.au](mailto:rdevereux@acran.com.au)