



TO ALL AAS MEMBERS and interested parties

TECHNICAL MEETING

7pm Tuesday 24th May 2005

Applications and Development of Sustainable Thermoacoustic Refrigeration

by

Mr Luke Zoontjens

School of Mechanical Engineering, the University of Adelaide

'Thermoacoustic' refrigeration is an emerging technology based upon the purposeful use of intense acoustic waves to pump heat into or out of a desired volume. Recent advances in the development of these systems provide an alternative, sustainable refrigeration solution, which could operate by recovering waste heat from exhaust gases or other thermal processes.

This seminar will review the historical and recent development of vapour-compression and thermoacoustic refrigeration systems. Outcomes and benefits of the proposed research, and recent progress regarding this work, will also be discussed.

Luke Zoontjens B.E.(Mechanical) is a PhD student in the School of Mechanical Engineering at the University of Adelaide. Luke has 2 years experience working on environmental, architectural and industrial acoustic projects. He is a graduate of the University of Adelaide, and a Graduate member of both IEAust and the SA AAS.

Anyone interested in attending the meeting is encouraged to join us prior the meeting for friendly dinner and drinks at Rumours (formerly the University Bistro) at **6pm on Tuesday 24th May**, Level 6 of the Union House (see map below). The meeting will commence at **7pm** in the H.H. Davis Room, Department of Mechanical Engineering, Engineering South Building. Parking is available on Victoria Drive.

Please RSVP to the School of Mechanical Engineering on 8303 5460 or Luke Zoontjens via luke.zoontjens@mecheng.adelaide.edu.au, to help us organise the event.

PLACE: H.H. Davis Room, Level 1, Eng. South Bldg., The University of Adelaide, Nth Terrace Campus.

DATE: Tuesday 24TH MAY, 2005

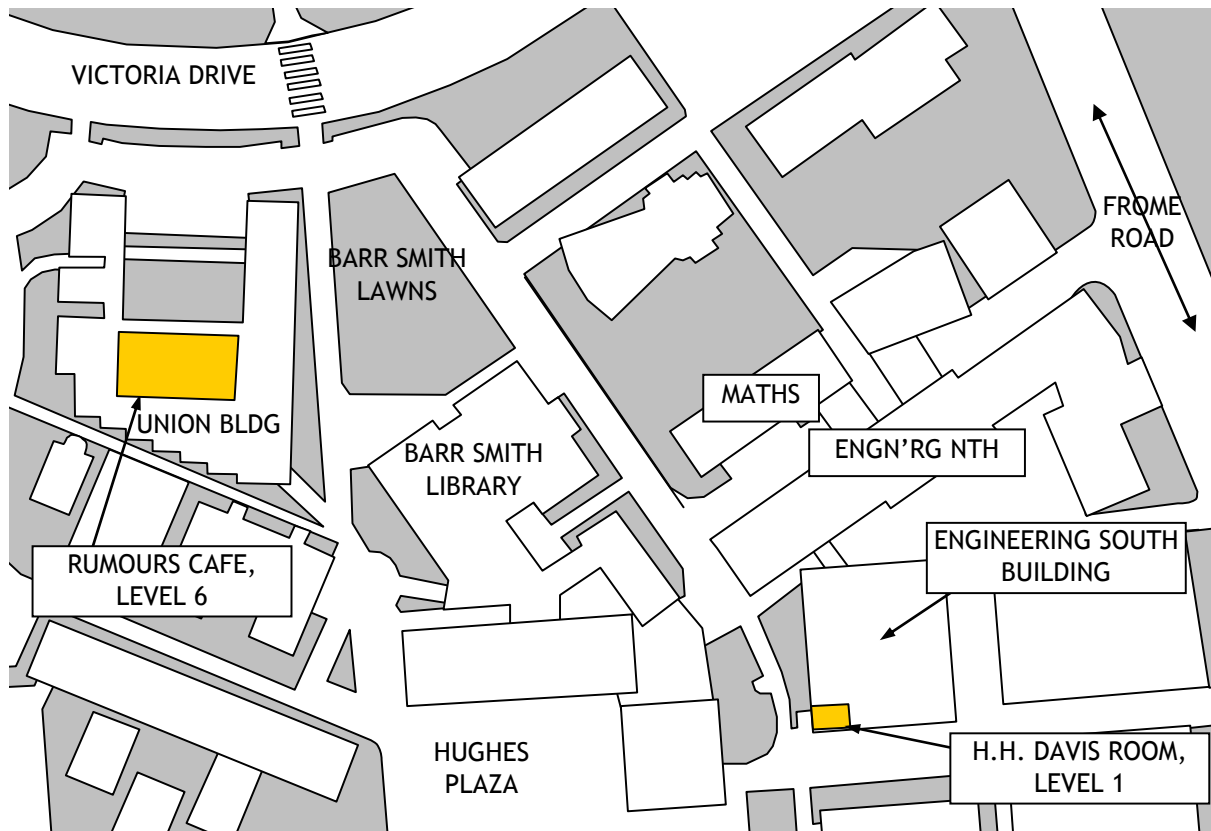
TIMING: 6pm at Rumours, Level 6 for dinner and drinks, and ~7pm in the H.H. Davis Room for the meeting.



Australian Acoustical Society

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