



TO ALL AAS MEMBERS and interested parties

TECHNICAL MEETING

8pm Tuesday 8th May 2007

Noise Camera: Automated Detection Technology to Identify Noisy Vehicles

by

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Government of South Australia

Higher traffic densities and community expectations for a clean environment have resulted in jurisdictions developing and adopting more stringent standards for motor vehicle emissions. This includes motor vehicle drive-by noise and noise generated by heavy vehicle engine brakes. To date, enforcement of in-service motor vehicle noise standards has been limited to stationary noise testing. This method of enforcement is labour intensive, disruptive to conforming motorists and does not correlate well with drive-by noise levels.

The South Australian Department for Transport, Energy and Infrastructure has undertaken to develop an automated system called a noise camera to identify noisy vehicles in the traffic stream. The noise camera, believed to be a world first, is capable of recording noisy vehicles based on user programmable sound characteristics.

Designed primarily to identify noisy engine brakes in accordance with Engine Brakes Noise Standards, currently being developed by the National Transport Commission, the camera can also identify noise from individual vehicles during acceleration. This presentation describes the drivers behind the development of the camera, the design of the technology, its capabilities and data collected to date.

The meeting will commence at 8pm in the H.H. Davis Room, Department of Mechanical Engineering, Engineering South Building (see university map below). Parking is available on Victoria Drive.

Anyone interested in attending the meeting is encouraged to also join us prior the meeting for friendly dinner and drinks at Caffè Buongiorno, 187 Rundle Street, at **6:30pm** beforehand.

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

PLACE: H.H. Davis Room, Level 1, Engineering South Building, The University of Adelaide, North Terrace Campus.

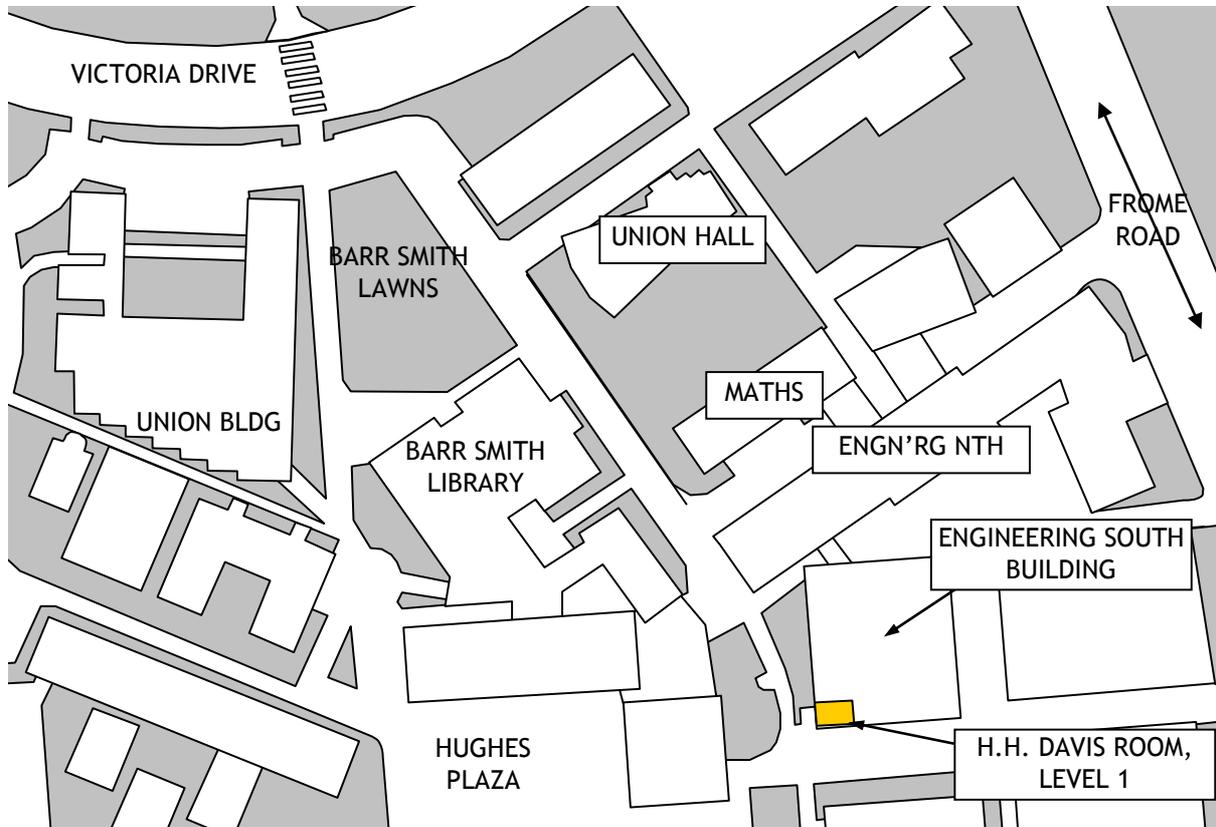
TIMING: 8PM TUESDAY 8TH APRIL, 2007



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