



## **TECHNICAL MEETING**

### ***Overview of the Assessment and Compliance of Wind Farm Noise in Australia***

by Dr Peter Teague, VIPAC, Adelaide

The process of assessing noise from wind farms is being refined as more wind farm developments are installed in Australia. This talk provides an overview of the current requirements and issues relating to acoustic monitoring, modelling, validation and compliance for wind farms. Relevant aspects of the applicable standards and guidelines, including the SA EPA Wind Farm Noise Guidelines, are discussed. Measurement data requirements and robustness of noise-wind regression analysis are discussed for background characterisation at the planning stage and for post-installation compliance assessment. Noise propagation algorithms are evaluated in the context of their use and application to different sites, and their limitations and accuracy based on validation after turbine installation. Peter provides insight to the range of technical and logistical issues and their implications for wind farm developments, including special audible characteristics such as tonality and modulation. Examples of lessons learned through experience are presented.

Peter Teague is a Principal Acoustic Consultant, Project Manager and Business Development Manager at VIPAC. Peter has over 18 years consulting experience across a wide range of infrastructure, environmental and occupational/workplace noise projects across all industries. Additionally, Peter has been directly involved developing Australian & International Standards and EPA guidelines/policies for over 10 years and is Australia's representative on the international ISO working group on Impulsive Noise (WG40/TC43). Over recent years, Peter has been an invited guest lecturer in acoustics at the School of Mechanical Engineering and an official judge of final year engineering projects. Peter has enjoyed being an active AAS committee member (SA Div) for over 15 years. Peter will soon relocate to Vipac Brisbane's office after 18 years based at Vipac Adelaide.

The technical meeting will commence at 6:00pm.

After the technical presentation you are encouraged to join us for friendly dinner/drinks at Caffè Brunelli - 187 Rundle St.

DATE: Tuesday 5<sup>th</sup> June 2012

TIME: **6:00pm Technical Meeting**, S111, 1st Floor Engineering South Building, University of Adelaide (See attached map)  
7:30pm Dinner, Caffè Brunelli, 187 Rundle Street

Please RSVP to Carl Howard via email at: carl dot howard AT adelaide dot edu dot au or telephone and leave a message on 8303 5460 to help us plan the event.

