



# NSW DIVISION TECHNICAL MEETING

## TYRE ROAD NOISE & LOW NOISE ROAD SURFACES: CPX and SPB MEASUREMENTS AND DISCUSSION

**Date:** Tuesday 14<sup>th</sup> March 2017

**Venue:** Room G25, Electrical Engineering Building, UNSW, Kensington  
Location G17 on campus map  
[http://www.facilities.unsw.edu.au/sites/all/files/KENC%20Campus%20Map\\_6.pdf](http://www.facilities.unsw.edu.au/sites/all/files/KENC%20Campus%20Map_6.pdf)

**Time:** 6:00 pm for 6:30 pm start  
*Refreshments prior to talk*

**Speaker:** Tina Saurer, Grolimund + Partner LTD, Switzerland

**RSVP:** Tuesday, 7<sup>th</sup> March 2017 to Mattia Tabacchi by email  
[Mattia.tabacchi@renzotonin.com.au](mailto:Mattia.tabacchi@renzotonin.com.au)  
**This event is restricted to AAS members (and guests upon request)**



The next NSW AAS technical meeting will provide an innovative European approach to road noise. The presentation will cover the following areas:

- Tyre road noise: Noise generation, rolling noise and propulsion noise, potential to reduce rolling noise.
- Low noise road surfaces: Strategy and experiences of low noise road surfaces in Switzerland/Europe (innercity environments and on highways, asphalt and concrete pavement), acoustic effect of low noise road surfaces, low noise road surfaces at lower speeds, durability of low noise road surfaces, acoustical impact of markings, acoustical impact of traffic junctions and roundabouts.
- Tyre road noise measurements and their purpose: Overview of measurement methods (i.e. CPX and SPB) and their advantages and disadvantages, conversion models, assessing the quality of entire road networks, assessing the quality of low noise road surfaces, increase accuracy of noise immission models using data of tyre road noise measurements.

Our guest speaker is a European expert in road noise. After completing her Master of Science in Geography (University of Bern) in 2008, she has been working as project manager at Grolimund + Partner LTD. She has an extensive experience in CPX and SPB road noise measurements and in the implementation of CPX data into noise maps.