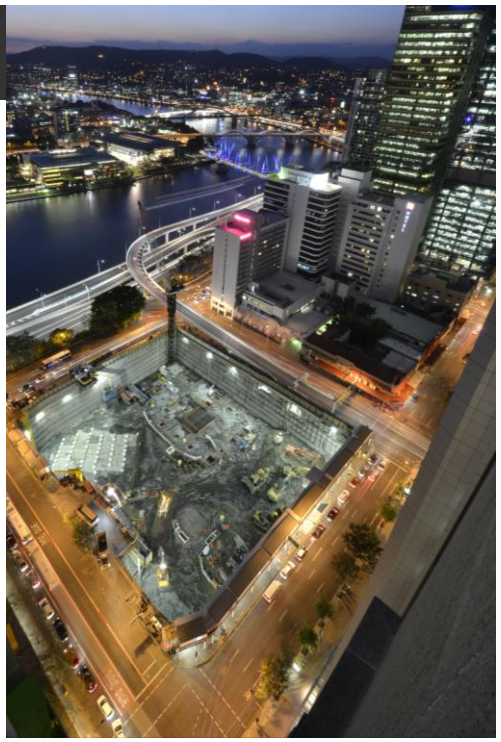
NSW DIVISION
TECHNICAL MEETING

Low impact excavation through Drill & blast



Date: **Thursday, 25th October 2018**

Venue: **Red Centre Central Wing 1042, The Red Centre, UNSW:**

http://www.learningenvironments.unsw.edu.au/spaces/red-centre/k-h13-1042-red-centre-central-wing-1042

Time: **NSW DIVISION AGM 6:00pm for 6:30pm start**
TALK WILL FOLLOW THE NSW DIVISIONAL AGM (2018)
Refreshments prior to AGM/talk

Speaker: **Rauf Osterman from Osterman Consulting**
(http://www.ostermanconsult.com)

RSVP: **Thursday, 18th October 2018** to Mattia Tabacchi by email Mattia.Tabacchi@renzotonin.com.au

Open to AAS members only.

With a career spanning over 30 years, Rauf Osterman specialises in Drill & Blast in tunnelling & construction including all form of environmental monitoring and control. Rauf has extensive exposure to demolition blasting, UG & surface hard rock mining and quarry blasting. Rauf has had the added privilege to be involved in some new and more unusual projects like sculpture blasting, frozen ground negative cover advance tunnelling, slot & Blast, saw & blast etc. Raufs main goal is for drill & blast to be the default option for all tunnelling and basement excavation in Australia's major cities.

Presentation abstract

Drill & blast is rarely considered in the design stage of a tunnelling or basement excavation project in Australia. This is partly due to work culture but also due to poor understanding of vibrations and the use of inappropriate vibration standards. The Scandinavian geology almost completely consists of granites of UCS's of +250 Mps. Rock hammers have no effect on such hard rock so all rock excavation irrespective of distance to structures has to be blasted. Out of necessity this has resulted in a huge amount of experience in real close proximity blasting almost from the time Alfred Nobel invented dynamite.