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# Satellite Based Ground Deformation Monitoring

Join Australian Tunnelling Society for this presentation where Eric Audigé will speak about radar satellite interferometry (InSAR) .

6.00pm, Wednesday 26 June 2019

Engineers Australia Victoria, Level 31, 600 Bourke Street,  
Melbourne

In urban tunnelling projects, ground deformation control and monitoring are important to guarantee that the different infrastructure assets crossing or adjacent to the tunnel alignment and other new build elements are not affected by the construction activity in the short or long term.

Radar satellite interferometry (InSAR) is a non-invasive surveying technique which is able to measure millimetric motion of terrain structures over wide areas and brings to the user a comprehensive, consistent and periodic vision of ground deformation without any need to access site.

ATLAS is Sixense InSAR solution applied to Crossrail I, The Elisabeth Line in London and after a brief presentation of the technique, this presentation will detail the application case of the monitoring of the different phases of the project with highlight to the added

value for the parties involved.

## Meet the Speaker:

**Eric Audigé: Managing Director  
Oceania - Sixense**

Eric Audigé is an engineer with 30 years of experience in monitoring. He has driven the development and international applications in more than 20 countries of new monitoring solutions in a wide range of domains, including the environment, defence & security, nuclear energy, mining and civil construction. Eric relocated to Australia in 2009 and joined Sixense in 2013 as Managing Director of the Oceania branch to foster real-time monitoring in civil construction and mining.

**Please note:** Networking and refreshments will take place from 5.30pm, with the presentation at 6.00pm.

## TICKETS

EA Member: Complimentary

RTSA Member: Complimentary

Student Member: Complimentary

Non-member: \$30



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