

AGS Victorian Symposium 2026 Call for Abstracts

Victoria's Big Build: Level Crossing Removal Program



**AUSTRALIAN
GEOMECHANICS
SOCIETY**

ABOUT THE SYMPOSIUM

Victoria's Big Build is delivering a major program of transport infrastructure across metropolitan Melbourne and regional Victoria, with the Level Crossing Removal Program (LXRP) forming a key component. These projects present complex geotechnical and geomechanical challenges due to variable ground conditions, geological complexity, legacy infrastructure, and the constraints of construction within operational rail and urban environments.

The Symposium will focus on technical knowledge sharing, emphasising applied case histories and practical insights into ground characterisation, design, construction risk management, and performance in complex geological and urban settings. Presentations will showcase innovative solutions, the resolution of technical and delivery challenges, and emerging best practice to support improved project outcomes and risk management on future major transport projects.

The Symposium will bring together practitioners, researchers, technical advisors, client authorities, and industry stakeholders. We hope to share technical experience, challenges encountered, and applied solutions from the planning, design, construction, and delivery of LXRP works. It aims to accelerate knowledge-sharing across the broader geomechanically community and provide practical insights to inform future complex transport projects in Victoria and beyond.

SUGGESTED TOPICS

Local and national practitioners, academics, and contractors, across a broad range of experience levels, are invited to submit abstracts on topics related to Victoria's Big Build: Level Crossing Removal Program (LXRP).

Abstracts will be evaluated based on their quality and relevance. Successful authors will be invited to submit either a full paper or an extended abstract as part of their presentation at the Symposium. The AGS will provide support in obtaining the necessary approvals to present.

The following is a list of suggested topics:

- Case studies and lessons learnt from completed or in-progress level crossing removals
- Geotechnical and structural challenges in rail-under/over-road works
- Interface risk management (services, water, transport, structures)
- Ground investigation strategies and uncertainty management
- Temporary works, support systems and excavation methodology
- Monitoring, instrumentation and performance evaluation
- Construction safety, productivity and innovation
- Digital tools, data-driven decision support and predictive modelling
- Sustainability, whole-of-life outcomes and carbon reduction strategies.

Abstract submissions (paper and poster) must be made via the AGS website before Friday 17 April 2026, 11:59PM

SYMPOSIUM DATE & TIME
Tuesday 13 October 2026
8:00 am - 6:00 pm

ABSTRACT SUBMISSIONS DUE
Friday 17 April, 11:59PM

ABSTRACT ACCEPTANCE
Friday 15 May

FULL PAPER SUBMISSION
Friday 17 July

PAPER ACCEPTANCE
Friday 17 July

FINAL PAPER SUBMISSION
Friday 4 September

SUBMISSION LINK
geomechanics.org.au/vic

