Tunnel Safety & Fire Protection
Ensuring safety throughout the tunnel lifecycle
8th & 9th April 2014, Sydney Boulevard Hotel, Sydney

Benefits of attending

- Strategies to ensure safety in tunnel design
- Proactive planning for fire and other incidents
- Safety across the tunnel lifecycle from design to retrofit
- Balancing appropriate cost with high safety standards

Key speakers

Simon Knight
Chairman
AUSTRALIAN TUNNELLING SOCIETY

Ken Mathers
Chief Executive Officer
LINKING MELBOURNE AUTHORITY

Barry Wright
National Structures Manager
NEW ZEALAND TRANSPORT AGENCY

Jonathan Barnett
Technical Director
OLSSON FIRE & RISK

Pre & Mid Conference Workshops

Workshop A
Effective tunnel emergency planning and management

Workshop B
How to bridge the gap between tunnel design and operation

Register 3 delegates at the ‘standard price’ & bring a 4th delegate FREE!

To register
phone +61 2 9239 5785
fax +61 2 8188 1761
taner.ozdemir@criterionconferences.com

Hear from designers, contractors, owners, operators and the emergency services!

Register 3 delegates at the ‘standard price’ & bring a 4th delegate FREE!
Ensuring safety across the tunnel lifecycle

With many new infrastructure developments across Australia, it is crucial to ensure high standards of safety within one of the most dangerous elements of infrastructure – tunnels.

This conference will examine strategies to comply with safety requirements throughout the lifecycle of the tunnel, including design, construct, operations and maintenance. As well as a discussion of pre-emptive safety strategies, this conference will explore how to design and implement an emergency management plan in the case of an incident.

Attend this conference to hear:

• Case studies from tunnel projects across Australia & New Zealand
• How to build maximum safety standards into the design and construct of tunnels
• Assessing and implementing the optimum cost / safety balance
• Effective fire prevention and management strategies

“The 2-day tunnel fire safety conference was one of the best conferences that I have attended in the past 3 years”

- Tass Georgas, Manager & Senior Fire Safety Engineer, Metropolitan Fire & Emergency Services Board (past delegate, Tunnel Safety & Fire Protection 2013)

Who will attend?

Infrastructure owners, operators, contractors and the emergency services responsible for:

Tunnel safety
Infrastructure design & operation
Fire engineers
Safety & maintenance

Sponsorship Opportunities

We work closely with corporate partners to create unique and innovative tailored sponsorship packages that best meet specific marketing, business development and corporate entertainment objectives.

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Media Partners

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Plus key contributions from:

Simon Weaver
Aurecon

Richard Lau
Hyder Consulting

Chris Gildersleeve
Arup

Etienne Hermouet
New Zealand Fire Service

Alex Webb
CSIRO

Chris Dando
BrisConnections

Michael Huber
Ghella Pty Ltd

Dr Jurij Kariose
University of Queensland

Roger Callister
New Zealand Fire Service

Mark Reilly
Fire & Rescue NSW

Kel McNamara
Fire & Rescue NSW

Patrick Harrington
Fire Protection Technologies

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Day 1
Tuesday 8th April 2014

8:30  Registration, coffee & networking

9:00  Welcome remarks from the Chair
Simon Knight, Chairman
Australian Tunnelling Society

9:10  Ensuring safety throughout tunnel construction
Simon Knight
Chairman
Australian Tunnelling Society

9:50  Integrating 21st Century Fire Protection Technologies
Patrick Harrington
Managing Director
Fire Protection Technologies

10:30  Morning tea & networking

11:00  SPOTLIGHT SESSION
This is an opportunity for delegates to introduce themselves and share what they hope to gain from the conference

11:40  Presentation from Linking Melbourne Authority
Ken Mathers
Chief Executive Officer
Linking Melbourne Authority

12:20  Lunch & networking

1:20  Achieving safety and value for money in the retrofit of road tunnels
Barry Wright
Structures Manager
New Zealand Transport Agency

2:00  Overcoming challenges of safety at all stages of the tunnel lifecycle
Delegates will have the opportunity to interactively discuss with a panel of speakers the challenges across the tunnel lifecycle
Richard Lau
Hyder Consulting
Pauline Goulain
Aurecon

2:40  Afternoon tea & networking

3:10  Integrating fire systems for road tunnels
Richard Lau
Technical Director, Engineering
Hyder Consulting

3:50  Fire life safety concepts for tunnel construction
Richard Lau
Aurecon

4:30  Closing remarks and end of day 1

Day 1
Day 2
Wednesday 9th April 2014

8:30  Welcome, coffee & networking

9:00  Welcome remarks from the Chair
Dr Jonathan Barnett
Technical Director
Olsson Fire & Risk

9:10  Fire protection of road tunnel structures
• Design objectives for property protection and operation continuity in addition to regulatory life safety and fire brigade invention requirements
• Benefits of risk based approaches that allow holistic design decisions to meet stakeholder objectives and satisfy fire authority requirements
Chris Gildersleeve
Principal, Fire Engineering
Arup

9:50  From designing fire safety to managing emergencies
• The NZFS collaborative approach to tunnel projects, from concept to operations
• The benefits of having the operations team involved from the early stages of tunnel design
• Practical examples from NZ tunnels on how to integrate operations and design requirements
Etinennne Hermouet
Senior Fire Engineer
New Zealand Fire Service
Roger Callister
Assistant Area Manager – Auckland City
New Zealand Fire Service

10:30 Morning tea & networking

11:00 Practical tools to improve safety in tunnel design

11:40 ROUND TABLE DISCUSSION
Delegates will have the opportunity to discuss the major challenges and solutions available for tunnel safety

12:30 Lunch & networking

1:30  Enforcing exclusion of dangerous goods vehicles
• An update on the Airportlink M7 project
• Examining the Australia-first system that records the presence of dangerous goods vehicles in tunnels
Chris Dando
Senior Manager Operations & Maintenance
BrisConnections

2:10  Transparent quantitative risk assessments for tunnel fire safety
• Exploring a simplified approach to quantitative risk assessments (QRAs)
• Discussing their application to assess and make recommendations for existing NZTA tunnels
Simon Weaver
Technical Director
Aurecon

2:50  Afternoon tea & networking

• Identify, quantify and assess security risks and determine possible protection measures
• Enhancing protection of the infrastructure & infrastructure users
Dr Jurij Karlovsek
PhD Research Candidate of Geomechanics, School of Civil Engineering
University of Queensland

4:00  OUTCOMES DISCUSSION
Delegates will share key takeaways from the conference

4:40  Closing remarks from the Chair & close of conference

To register, call us on +61 2 9239 5785
Workshops
Monday 7th April 2014
Tuesday 8th April 2014

Effective tunnel emergency planning and management
Pre Conference Workshop A
Monday 7th April, 2014, 5:00pm – 8:00pm

When there is an emergency in a tunnel, the consequences can be immense. Having an effective incident management plan is essential for tunnel safety, as is response and management in the case of an emergency.

This workshop will equip you with the knowledge to plan an effective emergency management plan for tunnels, and provides an opportunity to learn how to apply these skills to your projects.

This workshop will explore:
• How to design an effective emergency plan for tunnel incidents
• The key challenges to responding to tunnel emergencies

What you will take away:
• Practical understanding of how to plan for tunnel emergencies
• How to plan for emergency response contingencies

About your workshop leaders:

Mark Reilly
Manager, Safety
Fire & Rescue NSW

Kel McNamara
Zone Commander - Metropolitan East 2
Fire & Rescue NSW

How to bridge the gap between tunnel design and operation
Mid Conference Workshop B
Tuesday 8th April, 2014, 5:00pm – 8:00pm

Between the designer, constructors, owners, operators and the emergency services, there are many requirements for tunnel design and operation. There can be a disconnect between the designers understanding of the end user requirements, and the operators view of the tunnel design.

Collaboration between the stakeholders from an early stage in design, and then ongoing throughout the construction and operation of the tunnel is critical to maximise project outcomes.

This workshop will explore:
• The key elements to collaboration across tunnel stakeholders
• The benefits of integrating tunnel requirements

What you will take away:
• How to maximise the benefits of collaborative work with other stakeholders
• Practical strategies to understand and consider all party's requirements

About your workshop leaders:

Etienne Hermouet
Senior Fire Engineer
New Zealand Fire Service

Roger Callister
Assistant Area Manager – Auckland City
New Zealand Fire Service

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How To Register

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Email: taner.ozdemir@criterionconferences.com

Team Discounts
Register 3 delegates at the ‘standard price’ & bring a 4th delegate FREE. Please note that the standard price will be charged for team discounted registrations, early bird prices are not available for registrations utilising team discounts. Delegates must be registered at the same time from the same organisation in order to receive the team discount. For larger group bookings call us on +61 2 9239 5785 to find out how you may qualify for greater discounts.

Venue
Sydney Boulevard Hotel  
90 William Street, Sydney NSW 2011  
+61 2 9383 7222

Delegate Details
Please complete. (Please photocopy for additional delegates)

DELEGATE ONE
Delegate Forename:  
Delegate Surname:  
Job Title:  
Department/Branch:  
Company/ Organisation:  
Email:  
Telephone:  
Fax:  
Postal Address:  
Signature:  
Approving Manager’s Name:  

Cancellations
Should you be unable to attend, a substitute delegate is welcome at no extra charge.

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Criterion Conferences reserves the right to alter the programme without notice and is not responsible for any loss or damage or costs incurred as a result of substitution, alteration, postponement or cancellation of any event.

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<tr>
<td>2 Day Conference</td>
<td>$2399 + GST</td>
<td>$2638.90</td>
<td>$2748.90</td>
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Upgrade your package with our Pre & Mid Conference Workshops

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<tr>
<th>Workshop</th>
<th>Price</th>
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<tr>
<td>Pre Conference Workshop A</td>
<td>$699 + GST</td>
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<tr>
<td>Mid Conference Workshop B</td>
<td>$699 + GST</td>
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Calculate your ticket price

$________

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Number of delegates:  
Total amount $________

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