

**INSTITUTION OF RAILWAY SIGNAL ENGINEERS AUSTRALASIAN SECTION  
NATIONAL TECHNICAL MEETING  
Ballarat, Victoria      18 - 20 July 2019**

**CONFERENCE PROGRAM**

# ***Brownfields Rail Investment***




**Mercure Ballarat Hotel & Convention Centre**

**613 Main Rd, Golden Point VIC 3350**





**BALLARAT, VICTORIA**

**Welcome Evening:** Thursday 18 July 2019

**Organised by Younger Members**


	18:00	<b>Welcome Buffet at The Conservatory, Mercure Ballarat</b>
	19:30	<b>Younger Members: Let's talk about capability, competence, knowledge, experience and the following over a social evening with other delegates:</b> <ul style="list-style-type: none"> <li>• Mentoring and training</li> <li>• Young Engineers - let's leap forward</li> <li>• Opportunities for improvement</li> <li>• IRSE: the support system</li> </ul>
	20:30	<b>Networking Event</b>

**Day One: Friday 19 July 2019**  
**Technical Meeting – Mercure Ballarat**  
**“Brownfields Rail Investment”**

	08:00	<b>Conference Registration and Tea/Coffee</b>
	09:00	<b>Conference Opening</b>  <i>Sundar</i> <i>Chairperson</i> <i>IRSE Australasian Section</i>
	9:15	<b>Keynote Speaker</b> <b>Transforming Railways – Delivering on Our Promises</b>  <i>David Ness</i> <i>Package Director: Rail Systems</i> <i>Rail Projects Victoria</i>
	09:45	<b>Wholistic Assessment of Long-term Asset Condition in the Brownfield Public Transport Environment</b>  <i>Dr Katie Kandelaars</i> <i>Lead Asset Condition and Performance</i> <i>Public Transport Victoria</i>  <i>Co-authors:</i> <i>Nicola Belcher</i> <i>Director Asset Management</i> <i>Public Transport Victoria</i>  <i>Julian Watts</i> <i>Director Engineering and Asset Management</i> <i>KPMG</i>
	10:15	<b>Project Overview: Ballarat Line Upgrade</b>  <i>Logan Pham</i> <i>Senior Project Engineer (Signalling)</i> <i>Lendlease</i>
	10:45	<b>Morning Tea</b>

	11:10	<b>Project Overview: HCMT: High Capacity Metro Trains</b>  <i>Jean-Marc Chevaugnon</i> <i>HCMT JV Project Director</i> <i>Downer</i>
	11:40	<b>Human Factors: We're All Programmed</b>  <i>Richard Roberts</i> <i>Systems Architect (HCMT)</i> <i>Metro Trains Melbourne</i>
	12:10	<b>Information Session:</b> <b>Graduate Diploma in Railway Signalling</b>  <i>Les Brearley</i> <i>Accreditation Manager</i> <i>IRSE Australasian Section</i>
	12:30	<b>Lunch</b>
	13:30	<b>How Can Signalling Projects Succeed?</b>  <i>Ross Haden</i> <i>Senior Project Manager</i> <i>Level Crossing Removal Project (LXRP) Victoria</i>
	14:00	<b>HMI: The Safety Risk Hiding in Plain Sight</b>  <i>Ronan McInerney</i> <i>HMI Specialist</i> <i>Metro Trains Melbourne</i>
	14:30	<b>Afternoon Tea</b>
	15:00	<b>3D Signal Sighting Design Workflow</b>  <i>Ivan Andreevski &amp; Carlos Cortes</i> <i>Urban Circus</i>
	15:30	<b>Introduction of Automatic Selective Door Operation System on the Sydney Trains Network</b> <i>Ronak Triverdi</i> <i>Senior Project Engineer</i> <i>Hitachi Rail STS</i>
	16:00	<b>Close of Technical Sessions</b>


**Day One: Friday 19 July 2019**  
**Partners Program**

	09:15	<b>Meet at Mercure Ballarat</b>
	09:30- 16:00	<b>Minibus Tour of local Ballarat attractions</b>
	16:00	<b>Return to Mercure</b>

**Day One: Friday 19 July 2019**  
**Friday Conference Dinner**  
**Members and Partners**

	19:00	<b>Pre-Dinner Drinks: Mercure Ballarat</b>
	19:30- 22:30	<b>IRSE Conference Gala Dinner: Mercure Ballarat</b>

**Day One: Friday 19 July 2019**  
**Kids Movie Night**

	19:00-	<b>Movie: Surf's Up (G) OR LEGO Movie 2 (G)</b>
	21:30	<b>Dinner menu: chicken nuggets, fish and chips, ice-cream (gluten free and non-dairy options available on request)</b>
		<b>Movie snack: Popcorn</b>

**Day Two: Saturday 20 July 2019**

**Technical Site Visits: Bacchus Marsh and Alstom Workshops**

	08:00	Meet at Mercure Ballarat Board bus and depart  NOTE: All delegates must bring full PPE
	09:30 to 10:30	Bacchus Marsh: Ballarat Line Upgrade site visit & project information session
	11:30	Ballarat: Alstom rollingstock workshop site visit
	12:30	<b>Lunch</b>
	14:00	Courtesy bus arrives at Mercure Ballarat
	14:30	Bus departs Ballarat
	16:00	Bus arrives Tullamarine Airport Do not book flights with a departure time before 17:00hrs
	17:00	Bus arrives Southern Cross Station

**Transport options for getting to Ballarat from Melbourne airport or city  
 (if you are not driving your vehicle)**

Melbourne Tullamarine airport to Ballarat - using Ballarat airport shuttlebus service

- It provides airline passengers with flexible and affordable transport, connecting Ballarat directly with their inbound or outbound interstate or international airline flights.
- Book online at <https://airportshuttlebus.com.au/> and meet your shuttle at the location shown directly outside the airport [Melbourne Tullamarine Airport \(google map\)](#)

V/Line train services - Melbourne Southern Cross Station to Ballarat

- Train line: Ballarat
- Closest station/stop: Ballarat station
- Ballarat is just over an hour by train from Melbourne’s Southern Cross Station. V/Line also offers bus services linking Ballarat with other towns around Victoria. Your V/Line ticket is valid for travel on the Ballarat town buses at no extra cost.
- Check the V/Line website for train timetables - <https://www.vline.com.au/Timetables/Train-coach-timetables>

Taxi

- Available 24/7 around Ballarat. Call 131 008 to make a booking.

## Registration Information

Institution of Railway Signal Engineers  
Australasian Section

### National Technical Meeting: 18 – 20 July 2019

*IRSE Members – Please login to the IRSE website to obtain your Member discounts*

Registration Details	Reference Number	Cost Per Delegate
<b>Full Registration</b>		
<i>Includes welcome evening, conference, lunch &amp; dinner on Friday, technical visits and lunch on Saturday.</i>		
IRSE Member	MREG-ALL-OPT-31	\$275.00
Non-IRSE Member	MREG-ALL-OPT-32	\$375.00
Retired IRSE Member (non working)	MREG-ALL-OPT-33	\$125.00
<b>Partial Registration</b>		
Thursday welcome evening – IRSE Younger Member (under 35)	<a href="#">Register Via Eventbrite</a>	Free
Thursday welcome evening – Others	<a href="#">Register Via Eventbrite</a>	Self-funded
Friday Technical Conference – IRSE Member	MREG-FRI-MEET-01	\$160.00
Friday Technical Conference – Non-IRSE Member	MREG-FRI-MEET-02	\$260.00
Friday Technical Conference – Retired IRSE Member (non working)	MREG-FRI-MEET-03	Free
Friday Conference Dinner	MREG-FRI-DNNR-08	\$110.00
Friday Conference Dinner – Kids Movie Night (age 5-14 appropriate)	Email <a href="mailto:ballarat@irse.org.au">ballarat@irse.org.au</a> for details	\$35.00 per child
Friday Day Program – Partners	MREG-FRI-PRT-XDNR-08	Transport free
Saturday Technical Visit (including lunch)	MREG-SAT-SITE-09	\$80.00
Saturday Transit to Tullamarine Airport or Southern Cross Station	<a href="#">Register Via Eventbrite</a>	Free
<b>Technical Authors</b>		
Technical Paper Principal Author - Friday Technical Meeting	MREG-FRI-MEET-04	Free
Technical Paper Principal Author - Conference Dinner	MREG-FRI-DNNR-04	Free

## Registration Details (continued)

All registrations are via the IRSE website – <http://irse.org.au>

**Note:**

- Web registration allows for payments by credit card
- Mention any dietary restrictions when registering on the web
- Organisations registering more than 5 delegates and wishing to pay on invoice should email [ballarat@irse.org.au](mailto:ballarat@irse.org.au)
- For any general enquiries please contact David Woodcock on 0468 768 828 or [ballarat@irse.org.au](mailto:ballarat@irse.org.au)

**# PPE requirements: for the Saturday technical inspection, please bring your own PPE.**

- Long sleeved shirt/long trousers
- Hi-vis vest
- Hardhat
- Safety boots
- Eye protection

***Registrations close on 1 July 2019***

### Cancellation and Transfer

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

The IRSE Victoria Section regrets that no refunds will be made for cancellations received less than 7 days prior to the conference. However, a complete soft copy of conference technical papers will be sent to you.

For all **Cancellations and Transfers**, please contact [ballarat@irse.org.au](mailto:ballarat@irse.org.au) to arrange the request.


## Sponsorship Opportunities - Ballarat Technical Meeting: 18 – 20 July 2019

Sponsorship available online at <https://www.irse.org.au/ecommerce/sponsorship-mid.html>

Trade Display/Advertising/Event Sponsorship	Reference Number	Quantity	Item Cost	Total Cost
One A4 advertisement (can be double sided = 2 ads) #	MSP-FR-A4-1		\$275.00	
Two A4 advertisement (can be double sided = 4 ads) or Folded A3 #	MSP-FR-A4-2		\$375.00	
Trade display only	MSP-FR-TD1		\$400.00	
Trade display and One A4 advertisement (can be double sided = 2 ads) #	MSP-FR-TD1-A4-1		\$550.00	
Trade display and Two A4 advertisement (can be double sided = 4 ads) #	MSP-FR-TD1-A4-2		\$650.00	
Friday Technical Meeting Morning tea break (including banner & mention)	MSP-FR-02-MTEA		\$400.00	
Friday Technical Meeting Lunch (including banner & mention)	MSP-FR-03-LNCH		\$600.00	
Friday Technical Meeting Afternoon tea break (including banner & mention)	MSP-FR-04-ATEA		\$400.00	
Friday Technical Meeting Dinner Drinks (including name on menu)	MSP-FR-05-DRNKS		\$600.00	
Friday Technical Meeting Dinner (including name on menu, banner(s) & short address opportunity). <b>Sponsor to be decided by sealed auction drawn on 03/07/2019</b>	<b>Sponsor to be decided by sealed auction drawn on 03/07/2019</b>			
Saturday Site Visit Morning tea break	MSP-SA-02-MTEA		\$400.00	
Saturday Site Visit Lunch	MSP-SA-03-LNCH		\$500.00	
Technical Meeting Carry Bags – Fabric style – <b>supplied by Sponsor</b>	MSP-TM-BAGS		\$ 250.00	
Younger members meeting on Thursday evening	MSP-TH-06-DNNR		\$ 1000.00	
<b>Please Pay This Amount</b>				

\* Please advise if a table and mains power is required for your trade display.





Company Details	Method of Payment
Company Name ..... Company Address .....  Contact Person ..... Telephone .....  Facsimile ..... Email * .....  * Mandatory field	<input type="checkbox"/> Cheque – Enclosed is our cheque for \$ _____ in favour of IRSE Australasian Section Inc.  <input type="checkbox"/> Please debit my <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> AMEX  <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> Expiry Date: <div style="border: 1px solid black; width: 20px; height: 20px;"></div> / <div style="border: 1px solid black; width: 20px; height: 20px;"></div> Cardholders Name: _____  Signature: _____

2 easy ways to register	
 Brian Luber 0418334289 Pesala Kahawita 0433559875	• Please email completed forms to <a href="mailto:brian.luber@irse.org.au">brian.luber@irse.org.au</a> <a href="mailto:Pesala.kahawita@gmail.com">Pesala.kahawita@gmail.com</a>

**NB. Event sponsorships will be allocated on a strictly first come first served basis.**  
 Should you wish to avail yourself of these sponsorship opportunities please complete this form and return by email as soon as possible.  
 # For those placing advertisements in the handouts, please supply 150 printed copies of the advertising material by 10<sup>th</sup> July 2019.  
 Sponsorship payments are non-refundable.

## Accommodation – Hotels & Motels in the Ballarat (Golden Point / Sovereign Hill area)

All accommodation bookings are to be made directly with the hotels.

	<p><b>Mercure Ballarat Hotel &amp; Convention Centre</b> 613 Main Rd, Golden Point VIC 3350</p> <ul style="list-style-type: none"><li>• Single accommodation (room only) \$141 per room per night</li><li>• Single accommodation &amp; breakfast \$161 per room per night</li><li>• Twin/double accommodation &amp; breakfast \$181 per room per night</li><li>• Two-bedroom apartment (room only) \$210 per apartment per night</li><li>• Two-bedroom apartment &amp; breakfast \$250 per apartment per night</li></ul> <p>Phone: +61 3 5327 1200 Contact: <a href="http://www.mercureballarat.com.au/hotel/">http://www.mercureballarat.com.au/hotel/</a></p>
	<p><b>Ballarat Suites Accommodation - Best Western Plus</b> 525 Main Road, Golden Point VIC 3350 (approx. 210 m from conference venue) (Standard room rates \$156.00 – \$237 per night)</p> <p>Phone: +61 3 5329 0200 Email: <a href="mailto:ballaratsuites@bestwestern.com.au">ballaratsuites@bestwestern.com.au</a></p>
	<p><b>Sovereign Park Motor Inn</b> 223 Main Road, Ballarat Central (approx. 1.2 km from conference venue) (Standard room rates \$175 - \$244 per night)</p> <p>Phone: +61 3 5331 3955 Email: <a href="mailto:reservations@sovpark.com">reservations@sovpark.com</a></p>
	<p><b>Sovereign Hill Hotel</b> 39 Magpie Street, Golden Point (approx. 1.3 km from conference venue)</p> <p>Phone: +61 3 5337 1199 Contact: <a href="http://www.sovereignhill.com.au/sovereign-hill-hotel/">http://www.sovereignhill.com.au/sovereign-hill-hotel/</a></p>