

Wheel-Rail Interaction Fundamentals for Railway Professionals

2nd & 3rd March 2023

Presenters

Dr Kevin Oldknow

Associate Professor

Vehicle-Track Interaction Research Group
Simon Fraser University, Canada

Dr Elias Kassa

Team Leader - Track

Monash Institute of Railway Technology

Monash University, Australia

&

Darrien Welsby

Team Leader - Wheel-Rail Interface

The course will cover important aspects of wheel-rail interface management

- Vehicle & track components affecting wheel-rail interaction
- Wheelset kinematics and vehicle dynamics
- Damage mechanisms
- Wheel-rail interface modelling
- Wheel-rail contact assessment
- Wheel-rail materials
- Friction management
- Rail management & maintenance
- Case studies

The aim of this two-day course is to:

- Provide background information and important concepts relating to wheel-rail interaction to professionals in the railway industry
- Provide a consistent understanding of the wheel-rail interface with industry context
- Explore the impacts of wheel-rail interface maintenance and management strategies, together with associated risks, needs and benefits

The course will be flexible to allow participants to raise questions regarding the above topics or other track infrastructure issues.

This is a wonderful opportunity to gain an illuminating insight into the concepts, technology, processes and standards that are essential for railway professionals.

Venue: New Horizons, Building 82, 20 Research Way, Rooms G29/30
Clayton Campus, Monash University, Victoria 3800, Australia

Date: Thursday 2nd March & Friday 3rd March 2023

Time: 9.00am – 5.00pm (Registration from 8.30am)

Cost: AUD\$ 1,300 + GST

Morning/afternoon tea, lunch and refreshments will be provided

This is an exclusive event with limited seats.

Early registration is essential to avoid disappointment.

Please feel free to notify others who may be interested in this course.

Registration by Friday 24 February 2023 or when course limit is reached

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Please advise if you have any dietary or access requirements.

