



Deputy Director Olivia Mirza



Associate Professor Mike Meylan



Associate Professor Jayan S. Vinod

A 1.5 DAY IN-PERSON WORKSHOP TO ADDRESS THE EVERY DAY NEEDS OF A MULTI-DISCIPLINARY WORK FORCE THAT PLANS, DESIGNS, CONSTRUCTS, OPERATES AND MAINTAINS THE NATIONS RAIL INFRASTRUCTURE.

FUTURE OF RAIL WORKSHOP 23-24 FEB 2023

Distinguished Professor Zhengyi Jiang,
Director of ARC Industry Transformation Training Centre (ITTC) in Rail (2018 – 2022) & ARC ITTC for Innovative Composites for the Future of Sustainable Mining Equipment (2023– 2027), jointly with Deputy Director ARC ITTC in Rail, Olivia Mirza, and Centre Chief Investigators Mike Meylan and Jayan S. Vinod,

INVITES EXPRESSIONS OF INTEREST (EOI) FOR PARTICIPATION

from university students and their supervisors, ECRs, engineers, engineering researchers, engineering managers, and others in the rail sector.

Our aim

is to inspire and prepare us to productively engage in the challenges of the rail industry.



THE FUTURE OF RAIL WORKSHOP 2023: PROMOTING INNOVATION, EFFICIENCY AND PRODUCTIVITY IN THE RAIL SECTOR

In person & online



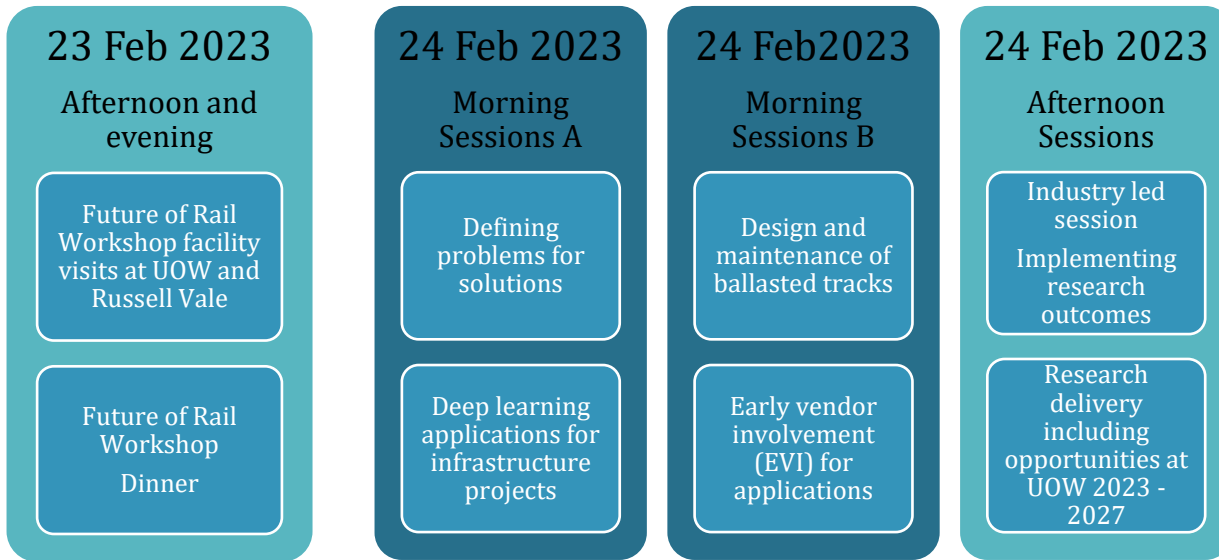
Director Zhengyi Jiang

Snapshot of ARC ITTC Rail

- ✓ \$7.3 million rail training centre, prioritising inter-disciplinary research and industry engagement, training and development of 21 PhD students and 3 postdoctoral fellows. About 95 per cent of the centre’s publications in top quartile journals (2020).
- ✓ Research outcomes have led to trial testing of new rail sleepers for Transport for NSW, and seeded a now established research project with Metro Trains Sydney. Additional projects are contributing to train safety.

THE FUTURE OF RAIL WORKSHOP 2023: PROMOTING INNOVATION, EFFICIENCY AND PRODUCTIVITY IN THE RAIL SECTOR

Proudly sponsored by ARC ITTC Rail



Core technical modules

The morning sessions on 24 Feb are based on and further developed from four core technical modules which were presented in July & August 2022 by the trainers as online short courses to many participants from the railway industry.

This workshop will focus on implementation, and, deeper development of the necessary technical essentials, presented in industry friendly terminology and technical language.

Opening our minds to new possibilities

WE CONSIDER THAT THIS WORKSHOP MATERIAL WILL FORM PART OF THE BUILDING BLOCKS OF A **KNOWLEDGE BASE**, DESIGNED TO HELP PARTICIPANTS WITH PRODUCTIVE ENGAGEMENT IN THE CHALLENGES OF THE RAIL INDUSTRY.

WITH COMBINED EXPERTISE AND RESEARCH EXPERIENCE, OUR TRAINERS WILL GUIDE THE PARTICIPANTS TO ADDRESS THE NEEDS OF A WIDE RANGE OF INTERESTS. NO PRIOR TERTIARY LEVEL KNOWLEDGE IS REQUIRED.

FUTURE OF RAIL WORKSHOP 23-24 FEB 2023

The **full day**, in person technical sessions on 24 Feb 2023, at the University of Wollongong (UOW), will be preceded by a half day session on 23 Feb 2023 to enable participants to experience first-hand a number of **large scale and robust physical testing models** at the UOW, and participate in an **informal dinner**.

The workshop contents will be designed and delivered by the above four highly experienced chief investigators (trainers), who are all leaders in their fields. All sessions are to be highly interactive.

Opportunities at a new ARC major investment awarded to UOW will also be presented.

REGISTRATION FEES (GST incl.)

Half day on 23 February (incl. visiting high speed facility and the dinner)

- \$165 per person

One day workshop on 24 February

- Non students, \$396 per person
- Students, \$330 per person

Registrations for half or one day are welcome. A discount of \$55 will apply for registrations of both days.

Registration link:

<https://uow.onestopsecure.com/onestopweb/FutureOfRail2023>

To inquire about sponsorship, group or online registrations, please email Manager, Helen Jiang at helenj@uow.edu.au