

SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING

UTS

UNIVERSITY OF TECHNOLOGY SYDNEY



invite you to

One Day Workshop on

CENTRE FOR RAILWAY RESEARCH



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR



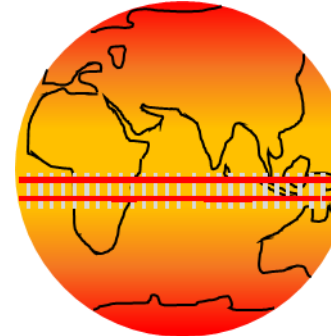
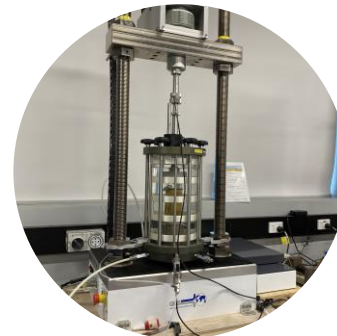
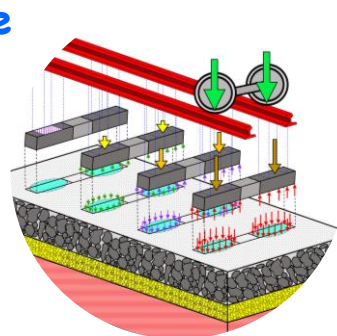
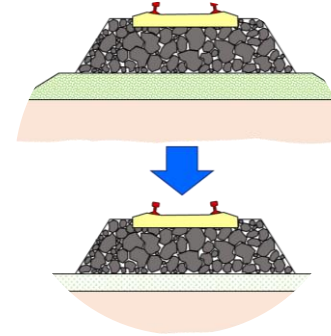
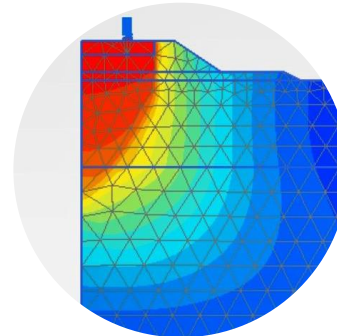
Heavy-haul Railways: Towards Safe, Efficient and Sustainable Design

Date: 22/02/2022

WHO CAN APPLY ?

- ✓ Practicing engineers from construction and consultancy firms, government and public sector agencies
- ✓ Scientists/engineers from R&D establishments
- ✓ Faculty members, postgraduate students from engineering colleges having interest in railways

TOPICS TO BE COVERED



CONTACT

- ✓ Dr. Sanjay Nimbalkar (Senior Lecturer, UTS)
- ✓ Prof. Sujit Kumar Dash (Professor, IIT-KGP)

TO REGISTER



[Click here](#)

OR

SCAN ME

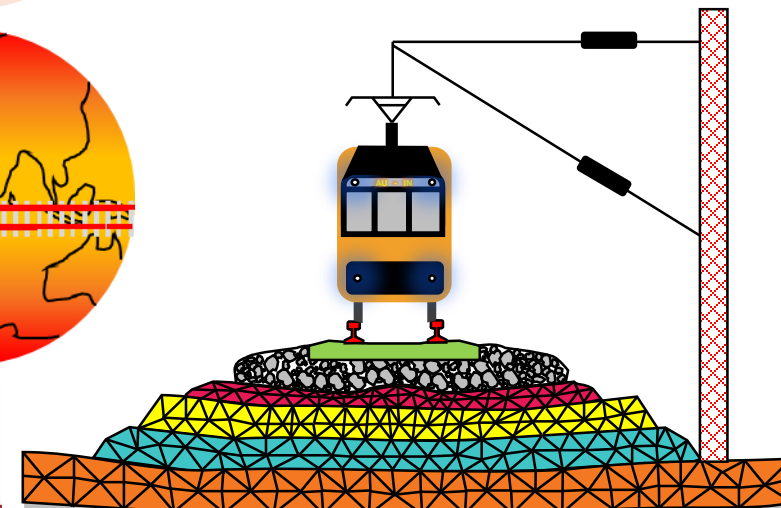
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Australian Government



Australia-India Council





Heavy-haul Railways: Towards Safe, Efficient and Sustainable Design

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EVENT DETAILS

- ✓ Prior registration is free and mandatory for all.
- ✓ Registered participants will receive an email about schedule of program with event details.
- ✓ Registered participants will be given lecture notes and a workshop participation certificate.

ACKNOWLEDGEMENT

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COORDINATORS



Dr. Sanjay Nimbalkar

School of Civil & Environmental Engineering,
Faculty of Engineering & Information
Technology, University of Technology
Sydney, NSW-2007, Australia
✉ Sanjay.Nimbalkar@uts.edu.au
☎ +61 2 9514 1819
📠 +61 2 9514 2633

[Profile](#)

[Google scholar](#)

[LinkedIn](#)

[RG](#)

[SC](#)



Prof. Sujit Kumar Dash

Department of Civil Engineering, Indian
Institute of Technology Kharagpur,
Kharagpur-721302, West Bengal, India
✉ sujit@civil.iitkgp.ac.in
☎ (03222) 282418/282400
📞 +91 9547781014
📠 +91 (03222) 278151

[Profile](#)

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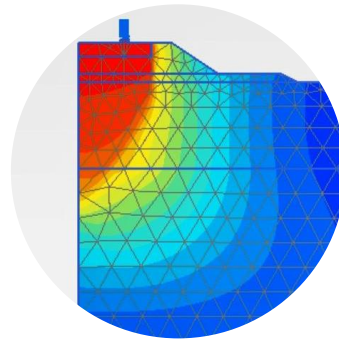


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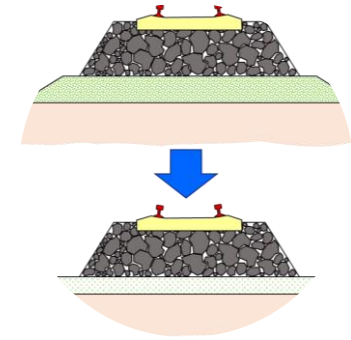
TOPICS TO BE COVERED



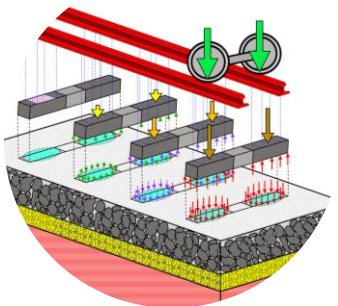
Introduction to railway tracks



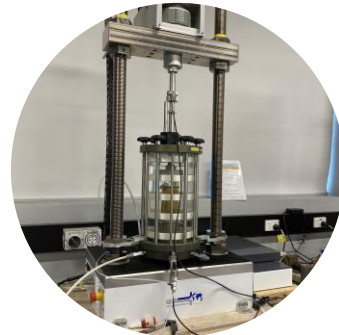
Finite element modelling of railway tracks



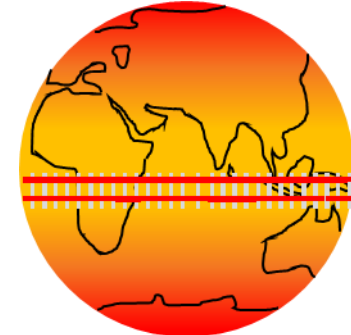
Design, construction and maintenance of heavy-haul tracks



Train loading and stress-transfer mechanism



Virtual laboratory testing



Design for heavy haul railway capturing climate change and complex geometry