University of Huddersfield Repository

Allen, Paul and Shackleton, Philip

Wheels v Rails

Original Citation


This version is available at http://eprints.hud.ac.uk/30630/

The University Repository is a digital collection of the research output of the University, available on Open Access. Copyright and Moral Rights for the items on this site are retained by the individual author and/or other copyright owners. Users may access full items free of charge; copies of full text items generally can be reproduced, displayed or performed and given to third parties in any format or medium for personal research or study, educational or not-for-profit purposes without prior permission or charge, provided:

- The authors, title and full bibliographic details is credited in any copy;
- A hyperlink and/or URL is included for the original metadata page; and
- The content is not changed in any way.

For more information, including our policy and submission procedure, please contact the Repository Team at: E.mailbox@hud.ac.uk.

http://eprints.hud.ac.uk/
WHEELS VS. RAILS
APPLYING NEW TECHNIQUES TO OPTIMISE RAIL MAINTENANCE

7 November 2016
Institution of Mechanical Engineers,
One Birdcage Walk,
London

FREE AND OPEN TO ALL

PRESENTED BY:
Dr Paul Allen
Assistant Director, Institute of Railway Research,
University of Huddersfield

www.imeche.org/events/TLE6386
INCREDibly TRAFFIC IS GOOD NEWS FOR RAIL AS A WHOLE, BUT INEVITABLY INCREASES WEAR AND TEAR.

With less time for engineers to carry out maintenance work, the team at the University of Huddersfield have been advising Crossrail on the most innovative and effective ways to solve the dilemma of more work in less time. Dr Paul Allen will illustrate how vehicle dynamics modelling and new rail damage prediction tools are being used to predict rail maintenance needs on the challenging Crossrail track alignment.

This lecture will be as relevant to the Railway Division as it is to the Tribology Group, as it considers the rail engineering aspect of maintenance work alongside the physical capabilities of the materials used.

DR PAUL ALLEN
Assistant Director, Institute of Railway Research, University of Huddersfield

Paul Allen is the Assistant Director of the Institute of Railway Research and is a recognised expert in railway vehicle dynamics and wheel-rail interaction. His main research activities are in the field of wheel-rail contact and computer modelling of railway vehicle suspensions, a small and highly specialised area which has a major influence on the behaviour of railways and track. He has been working in this area for over 15 years and has built up a substantial international reputation for the work carried out by himself and the team. Paul is a co-author of the ‘Handbook of Railway Vehicle Dynamics,’ which includes contributions from many leading experts and is the established text in this field.

OTHER EVENTS TO LOOK FOR:

HIGH SPEED RAIL TECHNOLOGIES
26 September 2016
Institution of Mechanical Engineers, London

Supported by the National Rail Museum, this seminar will look at the 40-year history of high speed rail and how to plan the future infrastructure.
www.imeche.org/highspeedrail

INTERNATIONAL RAIL ACCIDENT INVESTIGATION CONFERENCE
15-16 November 2016
Institution of Mechanical Engineers, London

Update your knowledge and best practices of accident investigation through two days of international, industry-led lectures, workshops, training modules and open discussion forums.
www.imeche.org/railinvestigation

PROGRAMME

17:15 Registration and refreshments
18:00 Lecture to commence
19:30 Lecture to conclude. Q&A session

FOR MORE INFORMATION:
VISIT: www.imeche.org/events/TLE6386
CALL: +44 (0)20 7973 1251
EMAIL: eventenquiries@imeche.org

Improving the world through engineering