

WHEELSETS: MORE FOR LESS

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Institution of
**MECHANICAL
ENGINEERS**

Railway Division
Seminar

20 March 2018
One Birdcage Walk, London

SEMINAR SPEAKERS INCLUDE:

Neil Drury, Engineering Director
South Western Railway

Graham Neil, Professional Head of Vehicles
Transport for London

Mark Burstow, Principal Vehicle Track
Dynamics Engineer
Network Rail

Marcus Weerasinghe, Rolling Stock
Engineering Manager
Docklands Light Railway Limited

Chris Weatherall, Group President
Wabtec Faiveley UK

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20 March 2018

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AS WHEELSETS ARE ONE OF THE MOST EXPENSIVE CONSUMABLES FOR THE RAIL INDUSTRY, IT IS VITAL THAT THEY ARE CAREFULLY AND EFFICIENTLY MAINTAINED. THIS SEMINAR IS THE ONLY EVENT TO FOCUS SPECIFICALLY ON THE MANAGEMENT OF WHEELSETS AND TO SHARE BEST PRACTICE IN MAINTAINING THEM COST-EFFECTIVELY.

Learn from a variety of mainline railway, metro and light rail speakers as well as major suppliers about wheelset design and management. Hear from pioneers of new inspection technologies to ensure you are using the most efficient equipment for maintenance of your assets. Take the opportunity to network and share best practice with wheelsets experts from researchers to maintenance engineers from rail operators, rolling stock operators and technology suppliers.

KEY PROGRAMME HIGHLIGHTS:

- **Transport for London** discuss the importance of knowing your product and the process you have gone through to procure it
- **Docklands Light Railway** reveal how they have made a 20th century lathe fit for a 21st century railway
- **RSSB** and **RDG** share research on the causes of axle bearing failures and the human factors of axle end reassembly
- Case study on the implementation of new procedures and tools in wheelset maintenance being carried out by **Ricardo Rail Netherlands**
- Lessons learned from other sectors on asset management explained by **Danburykline**

“A truly enlightening seminar on a subject many would not believe how complex it indeed is”

Northern Rail

“Very informative and interesting, I would definitely attend a similar event in the future”

Eurostar International Limited

ATTEND THIS SEMINAR TO:

- Hear from a variety of rail organisations including **Transport for London, South Western Railway, RSSB, CAF and Network Rail**
- Learn about the latest inspection technologies to improve your organisation's methods of identifying issues
- Understand best practice strategies in facing challenges such as bearing failures and wheel damage
- Gain insight into the techniques of other sectors and countries
- Network with wheelsets experts including maintenance and asset engineers from rail operators, rolling stock and technology suppliers

ORGANISING COMMITTEE:

Railway Division
Institution of Mechanical Engineers

MEMBERS CREDITS:

Jim Lupton
Independent Railway Engineering Consultant

Neil Drury, Engineering Director
South Western Railway

John Reddyhoff, Consultant
Engineering, Eversholt Rail

Martin Elliott, Professional Head - Traction and Rolling Stock
Ricardo Rail

**BOOK EARLY AND SAVE UP TO 10%
OFFER ENDS 2 FEBRUARY 2018**

**TERMS AND
CONDITIONS
APPLY**

PROGRAMME

TUESDAY 20 MARCH 2018

08:30	REGISTRATION AND REFRESHMENTS
09:00	CHAIR'S WELCOME Jim Lupton, Independent Railway Engineering Consultant
09:10	KEYNOTE ADDRESS: THE CHALLENGE TO INDUSTRY Chris Weatherall, Group President, Wabtec Faiveley UK
	SESSION 1: GETTING BETTER AT MAINTENANCE Jim Lupton, Independent Railway Engineering Consultant
09:30	MORE FOR LESS: A VIEW FROM WHEELSET MANAGEMENT GROUP Neil Drury, Engineering Director, South Western Railway and Chair of the Wheelset Management Group
09:55	TIGHTENING BOLTS: HOW HARD CAN IT BE? Mark Molyneux, Head of Engineering, Rail Delivery Group Paul Ferraby, Principal Vehicle Systems Engineer, RSSB
10:20	QUESTION AND ANSWER SESSION
10:35	NETWORKING REFRESHMENT BREAK
	SESSION 2: DIFFERENT PERSPECTIVES Martin Elliott, Professional Head - Traction and Rolling Stock, Ricardo Rail
11:05	IMPLEMENTATION OF NEW PROCEDURES AND TOOLS IN WHEELSET MAINTENANCE IN AN INTERNATIONAL CONTEXT Jasper Peen, Senior Consultant - Running Gear, Ricardo Rail Netherlands
11:30	MANAGING CRITICAL ASSETS Wayne Jenner, Managing Partner, Danburykline
11:55	LESSONS LEARNED FROM PREVIOUS PROJECTS David Barney, Secretary General, Private Wagon Federation
12:20	QUESTION AND ANSWER SESSION
12:35	NETWORKING LUNCH
	SESSION 3: MANAGING THE UNEXPECTED John Reddyhoff, Consultant - Engineering, Eversholt Rail
13:35	HAVE YOU PURCHASED WHAT YOU THOUGHT YOU HAD PURCHASED? Graham Neil, Professional Head of Vehicles, Transport for London
14:00	MAKING A 20TH CENTURY WHEEL LATHE FIT FOR A 21ST CENTURY RAILWAY Marcus Weerasinghe, Rolling Stock Engineering Manager, Docklands Light Railway Limited Aram Zagikyan, Rolling Stock Engineer, Docklands Light Railway Limited
14:25	MONITORING OF WHEEL TREAD CRACK GROWTH RATES AND OPTIMISATION OF REPROFILING INTERVAL Adam Bevan, Head of Enterprise, Institute of Railway Research, University of Huddersfield
14:50	QUESTION AND ANSWER SESSION
15:05	NETWORKING REFRESHMENT BREAK
	SESSION 4: MANAGING THE INTERFACE Neil Drury, Engineering Director, South Western Railway and Chair of the Wheelset Management Group
15:35	WHEEL/RAIL INTERACTION AND LUBRICATION Mark Burstow, Principal Vehicle Track Dynamics Engineer, Network Rail
16:00	HOW TO ELIMINATE WHEEL-FLATS IN TWO EASY LESSONS Alan Lawton, Technical Advisor, Rail Delivery Group
16:25	WHEELSETS FROM SPAIN Lee Chester, UK Technical Engineering Manager, CAF
16:50	QUESTION AND ANSWER SESSION
17:05	CHAIR'S CLOSING REMARKS Neil Drury, Engineering Director, South Western Railway and Chair of the Wheelset Management Group
17:15	END OF SEMINAR

For the most up-to-date and detailed programme for the event, please visit www.imeche.org/wheelsets

- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

HOW TO BOOK YOUR PLACE

FEES AND CHARGES

Registration fees include entry to the sessions, refreshments and a copy of the conference proceedings.

Seminar and Workshop	Early Bird Rate Until 2 February 2018	Standard Rate
Member, Institution of Mechanical Engineers / Supporting Organisation	£270 + VAT = £324	£310 + VAT = £372
Non-member	£370 + VAT = £444	£425 + VAT = £510
Student/Retired	£100 + VAT = £120	£120 + VAT = £144

Group booking discounts are available. Contact us for more information.

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/wheelsets
- 2 Email:
eventenquiries@imeche.org
- 3 Phone:
+44 (0)20 7973 1251

Please read the information listed below as each booking is subject to the Institution's standard terms and conditions.

CONDITIONS OF BOOKING

Completed application forms should be returned to the address above, along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day, to ensure the fastest possible entry.

SPECIAL REQUIREMENTS

Please inform us of any special requirements, ie dietary or access, on the relevant section of this form.

CANCELLATION

For a refund (minus £25+VAT admin charge), cancellations must be received at least 30 days prior to the event. Replacement delegates are welcome at any time. The Institution reserves the right to cancel any event. In this case, the full fee will be refunded unless a mutually convenient transfer can be arranged. In the event that the Institution postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, they will receive a full

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Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. The Institution reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on the event's webpage as soon as possible.

LIABILITY

The organisers do not accept liability for any injuries or losses of any nature incurred by delegates and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings.

CONFERENCE VENUE

Institution of Mechanical Engineers
One Birdcage Walk
Westminster
London
SW1H 9JJ

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1 Birdcage Walk
Westminster
London
SW1H 9JJ

T +44 (0)20 7222 7899
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OTHER EVENTS TO LOOK FOR



RAILWAY DIVISION ANNUAL LUNCHEON 2018

2 March 2018, London

The Railway Division Annual Luncheon is without a doubt the must-attend event in the industry calendar. Attracting over 1,200 attendees, it is an unparalleled opportunity to network with the most senior technical and commercial executives from all sectors of the rail industry.

www.imeche.org/railwayluncheon



RELIABILITY OF SYSTEMS AND EQUIPMENT OPERATED IN HARSH ENVIRONMENTS

6 March 2018, London

Gain key insights into how a range of industries including wind power, nuclear power, aerospace, defence and oil and gas address challenges and avoid failures.

www.imeche.org/reliabilityharshenvironments

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