

# PLATFORM TRAIN INTERFACES: IMPROVING ACCESSIBILITY AND PERFORMANCE

Institution of  
**MECHANICAL  
ENGINEERS**

Seminar

**30 October 2018**  
One Birdcage Walk, London

## KEY SPEAKERS INCLUDE:

Andrew McNaughton, Strategic Technical Advisor,  
**High Speed Two (HS2)**

David Thomas, Lead Development Manager,  
Thameslink Programme,  
**Network Rail**

Frank Foley, Lead PSD Engineer,  
**Crossrail**

Paul Leach, Lead Human Factors Specialist,  
**RSSB**



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# PLATFORM TRAIN INTERFACES: IMPROVING ACCESSIBILITY AND PERFORMANCE

30 October 2018, One Birdcage Walk, London

## AS REPORTED BY THE RSSB, INCIDENTS AT THE PLATFORM TRAIN INTERFACE (PTI) ACCOUNT FOR ALMOST HALF OF THE TOTAL PASSENGER FATALITY RISK ON THE MAINLINE RAILWAY NETWORK.

Attend the Platform Train Interfaces seminar to **improve safety and performance across your network**. With increasing focus on accessibility for all passengers, learn about the latest engineering tools to improve this including gap fillers and platform extensions. Gain insight into the **latest developments in door and rolling stock design to reduce the risk of accidents**.

Meet with platform train interface experts from rail operators, rolling stock manufacturers and solution providers.

### KEY PROGRAMME HIGHLIGHTS:

- **Heathrow Express** reveal lessons learnt from the application of lighting at the platform train interface
- **High Speed Two (HS2)** discuss plans for the passenger journey to be “step-free from street to seat”
- **South Western Railway** share insights from the accessibility projects that they have implemented
- **Transport for London** cover their short and long term approaches and innovations to improve the PTI
- **RSSB** share the implications of recent research carried out on the crossfall and platform markings

### WITH THANKS TO:

Frazer Scott, Systems Safety Manager,  
**Govia Thameslink Railway**

Robin Groth, Deputy Director,  
High Speed Two Interface,  
**Department for Transport**

Emma Bassey, Programme Manager,  
**RSSB**

Esther Olorunfemi, Head of Engineering –  
London Trams,  
**Transport for London**

### ATTEND THIS SEMINAR TO:

- Hear case studies from rail organisations including **Crossrail, High Speed Two (HS2), Network Rail, Heathrow Express** and **Transport for London**
- Hear best practice to improve passenger safety whilst reducing dwell time from new development projects
- Deliver solutions for your organisation to help your passengers “mind the gap” between the train and the platform
- Learn how to manage the accessibility challenges posed by legacy infrastructure combined with modern train designs
- Meet and discuss solutions with design engineers, fleet performance engineers and heads of safety and human factors

### FEEDBACK FROM THE PREVIOUS SEMINAR:

**“This event brought together an extensive range of expertise from across the industry in an environment where wide-ranging and informed discussion was given free rein”**

Office of Rail and Road

**“A well thought through programme with a good mix of technical and practical issues explained”**

Costain

**BOOK YOUR PLACE TODAY**  
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CONDITIONS  
APPLY

# PROGRAMME

## TUESDAY, 30 OCTOBER 2018

08:30 REGISTRATION AND REFRESHMENTS

09:00 **CHAIR'S OPENING REMARKS**

Frazer Scott, Systems Safety Manager, Govia Thameslink Railway

### PLATFORM TRAIN INTERFACE (PTI) STANDARDS AND GUIDANCE

09:10 **MANAGING SAFETY ON THE PLATFORM: AN INDUSTRY APPROACH**

Paul Leach, Lead Human Factors Specialist, RSSB

09:35 **INNOVATIONS FOR THE PLATFORM TRAIN INTERFACE**

Tamara Gordillo Carballo, Senior Business Engineer, Transport for London

Toby Goodwin, Human Factors and Train Systems Performance Engineer, Transport for London

### IMPROVING PERFORMANCE WHILST MAINTAINING SAFETY

10:00 **DELIVERING LEVEL ACCESS FOR THE THAMESLINK CORE**

David Thomas, Lead Development Manager, Network Rail Thameslink Programme

10:25 **QUESTION AND ANSWER SESSION**

10:40 NETWORKING REFRESHMENT BREAK

11:10 **HS2: STEP-FREE FROM STREET TO SEAT**

KEYNOTE

Andrew McNaughton, Strategic Technical Advisor, High Speed Two (HS2)

11:40 **QUESTION AND ANSWER SESSION**

### DOOR ENGINEERING AND DESIGN FOR A SAFER PTI

11:45 **PLATFORM SCREEN DOORS AND PTI ON CROSSRAIL CENTRAL SECTION**

Frank Foley, Lead PSD Engineer, Crossrail

12:10 **THE BALANCE OF DOOR CLOSURE SAFETY RISKS ON AN ACCESSIBLE METRO**

Zoe Dobell, Senior Engineer, Transport for London

12:35 **QUESTION AND ANSWER SESSION**

12:45 NETWORKING LUNCH

### IMPROVING PASSENGER AWARENESS OF THE GAP

13:45 **LIGHTING THE GAP**

Clive Jackson, Interim Operations Standards Manager, Heathrow Express

14:10 **PLATFORM CROSSFALL AND GRADIENT AND SAFETY MARKINGS**

Jordan Smith, Senior Human Factors Specialist, RSSB

Justin Willett, Professional Lead, Operation and Performance, RSSB

14:35 **KEY TRAIN REQUIREMENTS: CAPTURING GOOD PRACTICE**

David Polhill, Senior Rolling Stock Engineer – Interfaces, Rail Delivery Group

15:00 **QUESTION AND ANSWER SESSION**

15:15 NETWORKING REFRESHMENT BREAK

### INCREASING ACCESSIBILITY ACROSS THE NETWORK

15:45 **IMPROVING ACCESSIBILITY FOR ALL CUSTOMERS: AN OPERATOR'S VIEW**

Speaker to be confirmed

16:10 **WHAT DOES THE ENGINEERING COMMUNITY NEED TO DO TO ENSURE A SAFER AND EFFICIENT PTI**

PANEL  
DISCUSSION

Howard Parkinson, Director, Digital Rail Limited

Paul Leach, Lead Human Factors Specialist, RSSB

- Who is responsible for the Platform Train Interface: the operators, rolling stock manufacturers or the regulator?
- What standards and guidance would be useful regarding train floor and platform heights?
- Can the rail industry afford perfect safety?

16:50 **CHAIR'S CLOSING REMARKS**

17:00 **END OF SEMINAR**

For the most up-to-date and detailed programme for the event, please visit [www.imeche.org/pti](http://www.imeche.org/pti)

- 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   | Standard Rate     |
|---|-------------------|
| Member, Institution of Mechanical Engineers / Supporting Organisation | £190 + VAT = £228 |
| Non-member  | £230 + VAT = £276 |
| Full-time Student/Retired   | £120 + VAT = £144 |

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

### THREE WAYS TO BOOK

- 1 Online:  
[www.imeche.org/pti](http://www.imeche.org/pti)
- 2 Email:  
[eventenquiries@imeche.org](mailto: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

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#### CONFERENCE VENUE

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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



### YOUNG ENGINEERS AND APPRENTICES RAILWAY SEMINAR: ALL CHANGE PLEASE! A LOOK AT THE FUTURE OF RAIL

31 October – 1 November 2018, Northampton

"All Change Please!" is the 2018 edition of the celebrated Young Engineers Railway Seminar – expanded this year to incorporate apprentices. Over two full days, attendees will get to grips with the biggest operational issues facing the railway and gain a deeper knowledge of how to implement new technologies and strategies to overcome them.

[www.imeche.org/years](http://www.imeche.org/years)



### RAILWAY DIVISION ANNUAL LUNCHEON 2019

1 March 2019, 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 across the industry.

[www.imeche.org/railwayluncheon](http://www.imeche.org/railwayluncheon)

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