

# CAPACITY OR PERFORMANCE – EITHER OR BOTH?

Institution of  
**MECHANICAL  
ENGINEERS**

Railway Division  
**Seminar**

**14 November 2017**  
One Birdcage Walk, London

## KEY SPEAKERS INCLUDE:

Simon Reay, Industry Performance Relationship Manager  
**Network Rail**

Geoff Hobbs, Head of Rail & Underground Transport  
Planning  
**Transport for London**

Rob Warnes, Performance & Planning Director  
**Northern Rail**

Oliver Bratton, Operations Director, European Business  
**MTR Corporation Ltd**



SUPPORTING ORGANISATION:    EVENT PARTNERS:



Railway Industry Association



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# CAPACITY OR PERFORMANCE – EITHER OR BOTH?

14 November 2017, One Birdcage Walk, London

**IT HAD TRADITIONALLY BEEN THOUGHT ON MAINLINE RAILWAYS THERE WAS A CHOICE BETWEEN CAPACITY OR PERFORMANCE: HIGHER CAPACITY MEANT COMPROMISING PERFORMANCE. MORE RECENTLY, LEARNING FROM METROS, IT IS BECOMING UNDERSTOOD THAT HIGH PERFORMANCE IS A PREREQUISITE FOR HIGH CAPACITY.**

This seminar will feature case studies from key operators who have managed to do this to show you how they have practically addressed the balance between performance and capacity. Learn about best practice and the latest strategies that will help you improve the performance of your railway whilst increasing capacity.

Benefit from the opportunity to meet with experts in rail performance and planning management to discuss this pertinent problem in the engineering community and how it can be overcome.

## KEY PROGRAMME HIGHLIGHTS:

- **Network Rail** reveal how they are changing performance measurement and the consequences for performance management
- Hear how to manage a metro service on mainline infrastructure from **London Underground**
- Find out more about how to map performance in rail from **MTR Corporation Ltd**
- Learn about **The Western Supervisory Board's** strategy to bring track and train together through route based Supervisory Boards
- Discover the new approach to reliability analysis from **CPC Project Services**

## ATTEND THIS EVENT TO:

- Hear from those at the forefront of our industry including **Network Rail, Transport for London, Western Route Supervisory Board, Northern Rail and MTR Corporation Ltd** about how they are managing their performance challenges
- Learn from experts in the field about how to increase your passenger capacity whilst making the most of your existing assets
- Be part of the debate about the impact of the balance between capacity and performance on the future of the railway with our panel full of high level rail experts
- Meet with planning and engineering directors, performance managers and heads of transport from rail operators

## ORGANISING COMMITTEE:

Railway Division  
**Institution of Mechanical Engineers**

## MEMBERS CREDITS:

Iain Flynn  
**Independent**

Dean Johnson, National Task Force (NTF)  
Delivery Manager  
**Rail Delivery Group**

Andrew Skinner, Head of Engineering  
**Great Western Railway**

Rebeka Sellick, Director  
**SellickRail Ltd**

Malcolm Dobell, Non-Executive Director  
**CPC Systems**

**BOOK YOUR PLACE TODAY  
AND JOIN THE DISCUSSION**

**WWW.IMECHE.ORG/CAPACITYORPERFORMANCE**

TERMS AND  
CONDITIONS APPLY

# PROGRAMME

<b>TUESDAY 14TH NOVEMBER 2017</b>	
<b>08:30</b>	<b>REGISTRATION AND REFRESHMENTS</b>
<b>09:00</b>	<b>CHAIR'S OPENING REMARKS</b>
	<b>THE STATE OF THE PERFORMANCE PROBLEM</b>
<b>09:10</b>	<b>CHANGING THE FOCUS THROUGH CHANGING HOW WE MEASURE PERFORMANCE</b> Simon Reay, Industry Performance Relationship Manager, Network Rail
<b>09:40</b>	<b>STATE OF THE RAILWAY: A SYSTEM OPERATION?</b> Chris Gibb, Independent
<b>10:10</b>	<b>HISTORY OF PERFORMANCE IN THE RAILWAY SYSTEM</b> Speaker to be announced
<b>10:40</b>	<b>QUESTION AND ANSWER SESSION</b>
10:55	NETWORKING REFRESHMENT BREAK
	<b>CAPACITY'S IMPACT ON PERFORMANCE</b>
<b>11:35</b>	<b>LONDON OVERGROUND: A METRO SERVICE ON MAINLINE INFRASTRUCTURE</b> Geoff Hobbs, Head of Rail and Underground Transport Planning, Transport for London
<b>12:05</b>	<b>A NEW APPROACH TO RELIABILITY ANALYSIS</b> Paul Naylor, Operations Consultant, CPC Systems Ltd
<b>12:35</b>	<b>BALANCING CAPACITY AND PERFORMANCE IN FAST-GROWING REGIONAL CENTRES</b> Rob Warnes, Performance & Planning Director, Northern Rail
<b>13:05</b>	<b>QUESTION AND ANSWER SESSION</b>
13:20	NETWORKING LUNCH
	<b>SOLUTIONS TO THE PROBLEM</b>
<b>14:20</b>	<b>BRINGING TRACK AND TRAIN TOGETHER THROUGH ROUTE BASED SUPERVISORY BOARDS</b> Dick Fearn, Chairman, Western Route Supervisory Board
<b>14:50</b>	<b>MANAGING CAPACITY, CONGESTION AND PERFORMANCE</b> Ben Sturgess, Lead Strategic Planner, Network Rail
<b>15:20</b>	<b>MAPPING PERFORMANCE IN RAIL</b> Oliver Bratton, Operations Director, European Business, MTR Corporation Ltd
<b>15:50</b>	<b>QUESTION AND ANSWER SESSION</b>
16:05	NETWORKING REFRESHMENT BREAK
<b>16:35</b>	<b>FUTURE OF RAIL PERFORMANCE</b> Mark Hopwood, Managing Director, Great Western Railway Francis How, Chief Executive, Institution of Railway Signal Engineers Richard McClean, Managing Director, Grand Central Rail
PANEL DISCUSSION	<ul style="list-style-type: none"><li>• How will future rail projects such as Crossrail 2 and HS2 manage their capacity to ensure high performance?</li><li>• With ever-rising passenger numbers, what will the outlook be in the next ten years?</li><li>• With a constantly evolving industry, what technology could be helpful in the future to help improve performance?</li></ul>
<b>17:20</b>	<b>CHAIR'S CLOSING REMARKS</b>
<b>17:30</b>	<b>END OF SEMINAR</b>

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

- 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

Fees and charges	Early Bird Rates until 13 October 2017	Standard Rates
Member, Institution of Mechanical Engineers / Supporting Organisation	£245 + VAT = £294	£290 + VAT = £348
Non-member	£330 + VAT = £396	£390 + VAT = £468
Student/Retired	£90 + VAT = £108	£100 + VAT = £120

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

### THREE WAYS TO BOOK

**1** Online:  
[www.imeche.org/  
capacityorperformance](http://www.imeche.org/capacityorperformance)

**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 the booking form or email [eventenquiries@imeche.org](mailto:eventenquiries@imeche.org)

#### 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 refund of the fee paid. The Institution is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. The Institution shall assume no liability whatsoever if this event is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For the purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.

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

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#### YOUNG ENGINEERS' RAILWAY SEMINAR 2017: SKILLS AND KNOWLEDGE FOR THE FUTURE OF RAIL ENGINEERING

**19 October 2017, London**

This year's event will focus on equipping those in the early stages of their careers with the skills and knowledge currently needed for rail engineering. Learn from key industry leaders about how they are approaching current technical challenges and planning for the future of rail.

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

#### THE INSTITUTION OF MECHANICAL ENGINEERS' TECHNICAL TOUR 2017

**4-8 November 2017, Portugal/Spain/France**

The tour starts in Porto, Portugal with a visit to the modern light metro network and its workshop and control centre. Traveling to Lisbon on Alfa Pendular service to visit the heavy metro system before departing for Miranda de Ebro in northern Spain. Whilst there the tour will visit the Talgo train factory and the CAF works in Besan before finally visiting Bordeaux.

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

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