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**IRSE Seminar: CAPABILITY AND COMPETENCY**  
**Wednesday 25<sup>th</sup> February 2015**

at the London Transport Museum, Covent Garden Piazza, London, WC2E 7BB, UK

As the railway continues to evolve and change to meet increasing demands on capacity, efficiency and reliability, the industry must meet the challenge of developing skills and capability to match. Increasing automation is often seen as the solution to deliver these benefits; however it has many implications for the people and companies involved with the implementation, operation and maintenance of new systems.

In this event, organised jointly between the Institution of Railway Signal Engineers and Institution of Railway Operators, leading experts will explore some of the challenges we face, with proposals for how we as an industry can develop the skills and capability we need. Looking to the future, we need to attract exciting young engineers and operators and develop their skills and experience in order to continue to improve railways. We will discuss the role of companies and professional institutions in meeting this challenge, and look to what new skills will be needed in future – please see detailed programme overleaf.

This seminar is being supported by Thales Transportation Systems. To reserve your place please return the form below, together with your remittance as appropriate, payable to the IRSE. Copies of this form are also available on-line at <http://www.irse.org/events>. Attendance will support your continuing professional development and early application is recommended.

**Seminar – CAPABILITY AND COMPETENCY. 25<sup>th</sup> February 2015**

**To:** Institution of Railway Signal Engineers, 1 Birdcage Walk, Westminster, London, SW1H 9JJ, UK, or [hq@irse.org](mailto:hq@irse.org).

- £40 IRSE/IRO younger or retired members
- £50 Active members of IRSE/IRO or another Railway Engineers Forum institution (IET, IMechE, ICE, PWI, CILT)
- £100 Non-members

*all prices include refreshments and VAT*

Please make cheques payable to the Institution of Railway Signal Engineers or debit the following MASTER/AMEX/VISA card:

Name on card.....Cardholder's signature.....

Card number.....Issuing bank.....Expiry date.....

Where provided: Security number (last 3 digits on the card's signature strip).....Start date.....

Name(s) of delegate(s).....Company/Administration.....

Address.....

Telephone/Fax Numbers.....IRSE/IRO Member YES / NO.....Membership Number.....

Member of Other REF Institution.... YES/NO: Which..... IMechE/IET/CILT/ICE/PWI

Please detail any special dietary requirements.....

You will receive confirmation of your application within 2 weeks. Joining Instructions will be sent 2 weeks prior to the event.

If you do not wish your details to be retained for future marketing purposes, within the IRSE only, please tick here

**Vat Reg No: 863 8721 91**

## IRSE Seminar: Capability and Competency

25<sup>th</sup> February 2015, London Transport Museum, Covent Garden Piazza, London, WC2E 7BB, UK

### Programme

	Subject	Speaker
09.00	Registration	
09.45	<b>Welcome</b>	Christian Sevestre, IRSE President
	<b>SESSION 1 - The Opportunities and Impact of Automation</b>	
09:55	<b>Automated Design and Testing</b>	Christian Fry, Business Development Manager, GE
10:20	<b>Automating Operations</b>	John Doyle, General Manager Jubilee Line, London Underground
10:45	<i>Questions and discussion</i>	
11:05	Coffee	
	<b>SESSION 2: - Minding the gap: addressing the skills shortage</b>	
11:35	<b>The Scale of the Problem</b>	Elaine Clark, Head of Training & Skills, NSARE
12:00	<b>Making Better Use of the Resource We Have</b>	Andy Stringer, Head of Engineering, Siemens Rail Automation
12:25	<b>Attracting and Developing New People</b>	Adam Stead, Chairman, Young Rail Professionals
12.50	<i>Questions and discussion</i>	
13:10	Lunch & Networking	
	<b>SESSION 3: The journey to competence</b>	
14:10	<b>Beyond Personal Competence</b>	Phil Davis, Director of Technical Learning & Development, Atkins
14:20	<b>Operational &amp; Operator Readiness</b>	Piers Connor, Independent
14:30	<b>Managing Signalling Projects Safely: emerging lessons on competence and capability</b>	Francis How, Technical Director, RIA
14:40	<b>Simulation as a Route to Competence</b>	Steven Leeman, Training & Simulation Manager, Translink
14:50	<i>Questions and discussion</i>	
15:05	Coffee	
	<b>SESSION 4: - Skills for the future</b>	
15.35	<b>What are the Engineering Skills we Need for the Future?</b>	George Clark, Engineering Director, London Underground
15:55	<b>Scheme Design for ETCS</b>	John Alexander, Principal Engineer, Network Rail
16:15	<b>Modelling and Simulation for Signalling System Design</b>	Tim Gray, Sales & Marketing Director, TRE
16:35	<i>Questions and discussion</i>	
16.50	<b>Closing Remarks</b>	Francis How, Technical Director, RIA
17:00	<b>CLOSE</b>	