

# Crossrail

The Largest Infrastructure Project in Europe

**Seminar Chairman:  
Gordon Masterton**

*Chair of Future Infrastructure,  
The University of Edinburgh*

**Infrastructure, Station Fit-out and Railway Systems**

**Chris Binns**

*Chief Engineer, CrossRail*

**Crossrail Rolling stock**

**Joe Bednall**

*Head of Commercial,  
Crossrail Rolling Stock,  
Bombardier*

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# Crossrail

The Largest Infrastructure Project in Europe

Admission Free

Wednesday 9 November 2016  
6:45 pm (buffet from 6:00 pm)

The Weston Auditorium  
de Havilland Campus  
University of Hertfordshire  
Hatfield, Herts, AL10 9EU



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# EMSTA Prestige Seminar 2016

## SPEAKERS

**Professor John Senior**, Pro-Vice Chancellor (Research), UH

Professor John Senior joined the University of Hertfordshire as Dean of Faculty of Engineering and Information Sciences in 1998. He has over 25 years of research experience in optical communications and networking, including pioneering activities concerned with optical fibre local area networks and passive optical networks.

**Gordon Masterton**, Chair of Future Infrastructure, The University of Edinburgh

Gordon Masterton is a Past President of the Institution of Civil Engineers. As a Vice President of Jacobs Baktie, he was the Government's Project Representative on Crossrail from 2009 to 2014, providing oversight and assurance to both the Secretary of State for Transport and the Mayor of London. He is now Professor of Future Infrastructure at The University of Edinburgh.

**Chris Binns**, Chief Engineer, CrossRail

As Chief Engineer for Crossrail, Chris Binns provides technical leadership through a team of engineering heads of discipline to deliver the new east-west rail link across London. Previously he was Head of Engineering on the Thameslink Programme, delivering longer trains and greater capacity on north-south routes through London.

**Joe Bednall**, Head of Commercial, Crossrail Rolling Stock, Bombardier

Joe Bednall has over 20 years experience in the rolling stock business - heavy maintenance, depot management, and design and build of new trains. He has worked for both clients and main contractors. He led the bid for and manages Bombardier's successful multibillion pound contract for Crossrail. Previously, he completed the production and sale of the Class 378 Train Build Project and set up the Class 377 Train Design.

**Peter Hansford**, Former Government Chief Construction Adviser

Peter Hansford has over 40 years' experience in major infrastructure projects. He was engineering manager for the DLR City extension and project manager for the Beckton extension. He is a past President of the Institution of Civil Engineers and was Chief Construction Adviser to the UK Government from 2012 to 2015. He is now Professor of Construction and Infrastructure Policy at University College London.

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## PROGRAMME

**6:00 pm Registration, refreshments and networking**

**6:45 pm Seminar**

**Welcome: Prof. John Senior**

**Opening Remarks: Gordon Masterton**

Our chairman for the evening will present the 2016 EMSTA Award to an outstanding young Arkwright Scholar. He will then set the scene for the Seminar.

**1st Speaker: Chris Binns - Infrastructure, Station Fit-out and Railway Systems**

- Summary of infrastructure (civil and railway) works and key achievements
- Station fit-out and systems (including power supplies, platform edge doors, lifts, escalators, ventilation, fire fighting...)
- Signalling and communications systems
- Interconnections with other transport systems
- What it will deliver for the travelling public
- Maintenance of track and infrastructure

**2nd Speaker: Joe Bednall - Crossrail Rolling Stock**

- Bombardier's scope & background
- Challenges: technical / organisational / process
- Innovation specific to Crossrail
- Organisation for success
- Current status & projection forward

**Open Forum: questions and answers**

**Vote of Thanks: Peter Hansford**

**9:30 pm Close**