

**IMechE Evening Technical Lecture and Railway Employer Exhibitions Event:
21st Century Technology to Control 40 year-old Trains:
What Could Go Wrong?**

All are welcome, please pass this invite to your engineering colleagues and friends.



When	13th February 2019, 16:00-19:45 <Add to Calendar>
Where	<p>Lecture: Room 1.74 - Portland Building, Employers Exhibition: Atrium - Portland Building, University of Portsmouth, Portsmouth, Hampshire, PO13FX</p> <p>Please find a link to the University of Portsmouth Campus Map. There is a public carpark beside the Dennis Sciana Building (£2 charge) or free on-street parking on Burnaby Street.</p>
Brief details	<p>IMechE Evening Technical Lecture and Railway Employer Exhibitions Event: 21st Century Technology to Control 40 year-old Trains: What Could Go Wrong?</p> <p>This free event will focus on the engineering challenges associated with modifying legacy rolling stock for a new era. The Class 442 trains, originally introduced to service on the London Waterloo to Weymouth line in 1988, incorporated electrical control equipment and traction motors recovered from trains originally manufactured in the 1960s. The trains are now undergoing a major programme of refurbishment, including the fitment of 21st Century electrical equipment, prior to introduction into service on the Portsmouth line. The lecture will focus on the challenges associated with integrating current technology into 1980s trains.</p> <p>The speakers will be:</p> <ul style="list-style-type: none"> • Neil Drury, Engineering Director, South Western Railway • A representative from Gemini Rail Group <p>The objectives of this event are:</p> <ul style="list-style-type: none"> • To raise the profile of the railway industry amongst young mechanical, electrical and civil engineers; • To build links between railway engineering employers, Universities, and the engineering institutions; • To demonstrate that railway engineering is an innovative and growing industry that can provide excellent long-term prospects for varied and technically demanding careers. An example of this is the Class 442 re-engineering project, requiring the integration of 1980s and 21st Century

	<p>technologies.</p> <p>The lecture will be open to all mechanical, electrical and civil engineering students and 6th Form/College Pupils aged 16+ interested in studying those subjects in order to promote the breadth of career opportunities in the rail industry.</p> <p>Format of the evening</p> <p>16.00- Informal careers advice, including summer internships and Year in</p> <p>17.30 Industry opportunities, from Network Rail, WR, Hitachi and other railway engineering employers, over tea, coffee and biscuits in the Atrium in the University Portland Building.</p> <p>17.30- Prestige lecture by SWR, in Lecture Theatre 1.74 in the University</p> <p>18.45 Portland Building, which will explain the engineering challenges associated with re-engineering Class 442 units for the Portsmouth line.</p> <p>18.45- Continuation of informal careers advice from Network Rail, SWR,</p> <p>19.45 Hitachi and the other railway engineering employers, over free pizzas, beers and other drinks in the area of the Atrium, immediately outside The Lecture Theatre. (on the ground floor)</p> <p>Refreshments will be served on the evening, as well as dinner after the Lecture.</p>
Next steps	<p>Your free place can be booked online here.</p> <p>If you have not booked using 'Near You' before, you will be given an opportunity to open an account and then make your booking.</p>
More	<p>For more details on other IMechE Events being organised in the Portsmouth and Isle of Wight Area please visit our Near You Website. To keep up-to-date with local news and stay in contact with fellow local engineers please also like / follow our social media channels.</p> <p>Bookmark PortIoW NearYou Like IMechE Wessex Facebook Follow IMechE Wessex Twitter</p> <p>If you are interested in being more involved in the recently re-invigorated Portsmouth and Isle of Wight Area Committee please contact the Chair by emailing: PortIOWChair@IMechENearYou.org</p>

Kind Regards,
Jason Crouch

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