

ACHIEVING DYNAMIC GAUGE COMPATIBILITY OF HIGH SPEED PANTOGRAPHS WITH LEGACY UK OLE INFRASTRUCTURE

Rakesh Athukattu, Network Rail



20 September 2018 – The Quadrant (MK9 1EN) Milton Keynes, G-01

Arrivals and refreshments from 17:00

Talk starts at **17:30** and ends around **19:00**

Description

The UK has the oldest railway system in the world. To build an electrification system around this historic infrastructure and at the same time comply with modern standards, legislation and health and safety regulations pose a massive engineering challenge. This challenge arises with the introduction of new trains and pantographs. One of the key challenges is the dynamics and gauge compatibility of the pantographs with legacy infrastructure. The presentation aims to address some of these challenges and present methods of assessment and risk mitigation measures for known factors.

Speaker

Rakesh Athukattu BEng AMIMechE is a Mechanical engineer with multi-disciplinary cross functional experience in Rail, Power generation & Energy sector with a career spanning across Product design, Reverse Engineering, Material selection, Heat treatment and Technical consulting. Before Joining Network Rail in 2015 he has predominantly worked in the energy sector focusing on renewable power generation and mechanical design of Large high voltage rotating electrical machines. Since Joining Network rail, He has been involved in the assessment of TSI compliant pantographs with UK Infrastructure.

The Event is FREE and open to all!

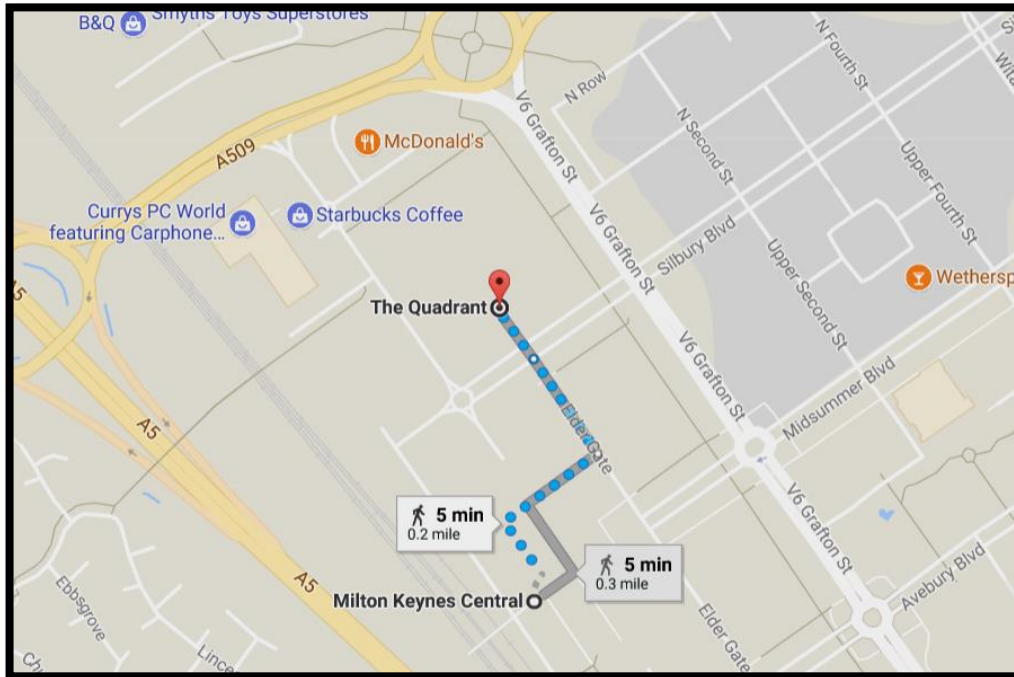
Light refreshments will be provided prior to meetings. Please book, if you can, to assist catering numbers using either the QR code or the link below. If you cannot book feel free to attend it anyway.



<http://nearyou.imeche.org/near-you/UK/Eastern/milton-keynes-rd-centre/Events>

Parking

Parking in the car park between The Quadrant (NR Office - MK9 1EN) and V6 Grafton Street costs £0.50 per hour by cash machines. Parking is free after 18:00.



Next Event

RAILWAY DIVISION CHAIR'S ADDRESS: CHALLENGING TIMES

SPEAKER: Andy Mellors, South Western Railway

18 October 2018 – The Quadrant (MK9 1EN) Milton Keynes, G-01

Talk starts at 17:30 and ends around 19:00