

# UKRRIN ANNUAL CONFERENCE 2019: AGENDA

09:00 – 09:45	ARRIVAL AND REGISTRATION	
09:50 – 10:00	<b>Opening Remarks</b> Clive Roberts, Director BCRRE, <i>BCRRE – University of Birmingham</i> & Centre Lead, <i>Centre of Excellence in Digital Systems</i>	
10:00 – 10:15	<b>Keynote Address</b>	
10:15 – 10:40	<b>A Recipe for Success: Development of the UKRRIN Network</b> Clive Roberts, Director BCRRE, <i>BCRRE – University of Birmingham</i> & Centre Lead, <i>Centre of Excellence in Digital Systems</i>	
10:40 – 11:00	<b>Research and Development Challenges and Opportunities</b> Luisa Moio, R&D Programme Director, RSSB & Andy Doherty, Chief Technology Officer, Network Rail	
11:00 – 11:30	COFFEE AND EXHIBITION VIEWING	
11:35 – 12:35	<b>Delivering the Future Railway: How is UKRRIN contributing?</b> Delegates choose to attend one of the following four sessions:	
	<b>Reliable Assets</b>	<b>Optimised Train Operations</b>
	<b>Moderated by:</b> Andy Doherty, Network Rail & William Powrie, University of Southampton <ul style="list-style-type: none"> <li>• <b>Continuous track monitoring using passenger trains</b> Mani Entezami, University of Birmingham</li> <li>• <b>REPOINT</b> Chris Ward, Loughborough University</li> <li>• <b>Asphalt trackbed testing</b> Taufan Abadi, University of Southampton</li> </ul>	<b>Moderated by:</b> Neil Ovenden, Rail Delivery Group & Clive Roberts, University of Birmingham <ul style="list-style-type: none"> <li>• <b>DITTO (Developing Integrated Tools to Optimise)</b> John Preston, University of Southampton</li> <li>• <b>A simulation approach to train braking degradation in low adhesion</b> Jose Pedro Machado dos Santos, University of Huddersfield</li> <li>• <b>Wheel motors / vehicle-based switching</b> TBC, Loughborough University</li> <li>• <b>Journey metrics to quantify and optimise passenger experience</b> Bob Hickish, University of Sheffield</li> <li>• <b>Trialling the use of double variable rate sanders</b> Paul Gray, RSSB</li> </ul>
	<b>Data – Enabled Railway</b>	<b>Low Emission Railway</b>
	<b>Moderated by:</b> Louise Shaw, Waxwing Engineering <ul style="list-style-type: none"> <li>• <b>Digi-Rail</b> Al-Amin Dabo, University of Birmingham</li> <li>• <b>Railway generated data: usage to create new insight</b> Julian Stow, University of Huddersfield</li> <li>• <b>DataSandbox +</b> Giulia Lorenzini, RSSB</li> <li>• <b>IntelliDoorDwell</b> Rebeka Sellick, Sellick Rail</li> </ul>	<b>Moderated by:</b> Helen Simpson, Porterbrook & Stuart Hillmansen, University of Birmingham <ul style="list-style-type: none"> <li>• <b>Digital Displacement for Non-Passenger Rail Applications</b> Gordon Voller, Artemis Intelligent Power Ltd.</li> <li>• <b>HydroFlex</b> Stuart Hillmansen, University of Birmingham</li> <li>• <b>TransEnergy - energy storage for DC electric railways</b> David Fletcher, University of Sheffield</li> <li>• <b>Options for traction energy decarbonisation in rail</b> Stephen Kent, University of Birmingham</li> <li>• <b>Decarbonising High-Speed Bi-Mode Railway Vehicles through Optimal Power Control</b> Will Midgley, Loughborough University</li> </ul>
12:35 – 13:30	LUNCH AND EXHIBITION VIEWING	
13:40 – 13:45	<b>Introduction to afternoon session</b>	
13:45 – 14:35	<b>A global perspective: what are we doing to improve UK Rail export performance?</b> <b>Moderated by:</b> Noel Travers, Unipart Rail & Neil Walker, RIA How are we collaborating and promoting UK Rail innovation overseas to contribute to the rail export agenda? Where are the opportunities for SMEs and who can help? <ul style="list-style-type: none"> <li>• Unipart Rail and Instrumentel: Export Experience David McGorman, Managing Director Technology, Unipart Rail</li> <li>• University of Huddersfield: Export Experience Julian Stow, Assistant Director, IRR- University of Huddersfield</li> <li>• Rail Infrastructure Asset Management: Export Experience Kevin Fry, Technology Solutions Manager, Balfour Beatty</li> </ul>	
14:35 – 15:00	<b>The Young Innovator Award</b> Celebrating the achievements of young rail professionals and early-career researchers.	
15:00 – 15:20	COFFEE AND EXHIBITION VIEWING	
15:25 – 16:25	<b>DEBATE: Nurturing young talent and encouraging diversity in rail: are we doing enough?</b> <b>Moderated by</b> Lucy Prior, 3 Squared Rhianne Evans, Business Development Manager, <i>Thales</i> <span style="float: right;">Nikhil Pillai, West Midlands External Relations Manager <i>YRP</i></span> Milda Manomaityte, Policy & Technical Manager, <i>RIA</i>	
16:25 – 16:30	<b>Closing Remarks</b>	
16:30 – 18:00	NETWORKING DRINK RECEPTION	
18:00 -19:30	BREAK	
19:30 – 00:00	CONFERENCE DINNER	