

# CALL FOR PAPERS

PWI FULL DAY AUTUMN 2020  
TECHNICAL SEMINAR:

## Plant and machinery to support rail infrastructure renewal and maintenance for the 2020s and beyond

ABSTRACT SUBMISSION DEADLINE

30 APRIL 2020

SEMINAR DATE

To be confirmed but  
expected to be in late  
September or early  
October 2020.

VENUE  
TBC

European railway networks are booming and the demand for rail travel continues to increase. As the train services to meet this demand are added to the network, access to carry out maintenance and renewal work is at a premium. The pressure to do more work in shorter possessions drives a requirement for more productive, mechanized, work delivery methods. Effective, safe, and highly productive plant is an essential component of this.

Plant and the methods and strategies to deploy it that can together deliver high quality, durable infrastructure at lower unit cost is crucial to meeting industry challenges: along the way it must play its part in reducing rail sector carbon emissions and other environmental impacts, and in improving the performance and reputation of the railway.

This seminar will provide delegates and speakers with an opportunity to understand and debate the requirements for plant to meet these challenges,

and the solutions that are being deployed and developed to deliver them.

Proposals for papers are requested covering the following areas relating to On-Track Machines, Road-Rail and other On-Track Plant, and Tools:

- Safety Considerations and Strategies
- Sustainability Considerations (including energy efficiency, emissions, and other environmental impacts)
- Staffing and Competence Considerations
- Contractual Strategies and Planning Regimes to Optimise Plant use and Performance
- Investment Considerations
- Maximisation of Availability and Reliability
- Plant System Deployment Methodologies
- High Output Plant
- Electrification Plant
- Autonomous and Robotic Plant
- Other Specialist Plant
- Development and Use of Tools

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Papers should focus on the technical and/or business case driver aspects of the topics mentioned here including requirements, solutions, lessons and best practice as well as collaborative working contract models.

Abstracts to be submitted by 30th April 2020 to Andy Packham:  
[andy.packham@thepwi.org](mailto:andy.packham@thepwi.org)

To submit a paper, please email an abstract of not more than 300 words including the title of the proposed paper, a clear description of the main points to be covered and the expected learning points for delegates. Any questions should be directed to Andy Packham. Please note that overtly commercial pitches are not appropriate for this audience.

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