

NeTIRail-INFRA final conference

Ljubljana, 24 May 2018

Agenda

Moderator: Mr. Jonathan Paragreen, Project Manager, University of Sheffield

Time	Title	Who
09:00-09:30	Registration and coffee	
09:30-09:45	Welcome and project overview	Peter Verlič, director of Prometni Institut David Fletcher, USFD, Project Co-ordinator
09:45-10:45	<p>Track innovations and results (WP2)</p> <p>Overview</p> <p>A description of the Lean techniques for Switches & Crossings employed and the key findings from case studies in Slovenia and Turkey</p> <p>Lubrication</p> <p>Innovative low-cost transition zone design and modelling</p> <p>Corrugation</p>	<p>Vlasta Miklavzin, Prometni Institut</p> <p>Jonathan Paragreen, USFD</p> <p>Hasret Sahin, INTADER</p> <p>Rahi Rahbari, USFD</p> <p>Alfredo Nunez, TU Delft</p>
10:45-11:00	Coffee break	
11:00-12:00	<p>Overhead line innovations and results (WP3)</p> <p>Current and voltage monitoring, for the overhead contact line system</p> <ul style="list-style-type: none"> Description of the developed system Experiments results presentation <p>Acceleration monitoring system, for the overhead contact line system</p> <ul style="list-style-type: none"> Description of the developed system Experiments results presentation <p>Modelling of low cost trolley wire type overhead line system compared to catenary system</p>	<p>Tudor Popa, ADS Electronics</p> <p>Rahi Rahbari, USFD</p>



12:00-13:00	<p>Track monitoring innovations and results (WP4)</p> <p>Axle box acceleration measurements in Romania: Faurei test ring and line Braşov to Zărneşti</p> <ul style="list-style-type: none"> Using a train in operation (with passengers onboard). Condition of the rails using Axle Box Acceleration in the line Braşov to Zărneşti was captured. This conducted to analyze trade-offs between number of interventions and the effects on the rail condition performance. Estimation of rail condition of the Faurei test ring was estimated. Field inspections proved the validity of the approach under different speeds <p>Dynamic measurements in Slovenia</p> <ul style="list-style-type: none"> Dynamic technology and measurement equipment Comparison with other monitoring technologies <p>Application for comfort monitoring, using low cost Smartphone</p> <ul style="list-style-type: none"> Summary description of the developed application Results presentation of experiments <p>Acceleration monitoring system, for plain line and S&C</p> <ul style="list-style-type: none"> Summary description of the developed system Results presentation of experiments <p>Upgrading old interlocking systems</p> <ul style="list-style-type: none"> Summary description of the developed solution. Results presentation of experiments 	<p>Alfredo Nunez, TU Delft</p> <p>Vlasta Miklavzin, Prometni Institut</p> <p>Lucian Emanuel Anghel, ADS Electronics</p> <p>Tudor Popa, ADS Electronics</p>
13:00-13:50	Lunch	
13:50-14:40	<p>GIS asset management and decision-making tool demonstration (WP6)</p> <p>Overview</p> <p>Development of the planning tool</p> <p>Demonstration of the tool</p>	<p>Airy Magnien, UIC</p> <p>Olivier Boudou, UIC</p> <p>Kardelen Karatas, UIC and Lucian Emanuel Anghel, ADS Electronics</p>
14:40-15:10	<p>Societal impact of innovations (WP5)</p> <ul style="list-style-type: none"> Informed decisions about railway innovations require an assessment of all possible effects. These include effects on society beyond those usually taken into account in a traditional cost-benefits analysis. Presentation of the results of the NeTIRail-INFRA societal assessment of selected case studies 	<p>Elisa ORRU, University of Freiburg</p>
15:10-15:50	<p>Economic impact of innovations and economic incentives (WP1)</p> <p>The economic appraisal of NeTIRail railway innovations</p> <ul style="list-style-type: none"> Economic understanding of engineering processes Cost-benefit analysis of NeTIRail innovations Incentives to adopt rail innovations 	<p>Manuel Ojeda Cabral, University of Leeds</p> <p>Jan-Eric Nilsson, VTI</p>
15:50-16:20	<p>Shift2Rail activities and approaches</p> <p>Discussion of synergies and new opportunities</p>	<p>Nikolaos Athanasopoulos, Shift2Rail</p>
16:20-17:00	Questions, feedback and close of conference	ALL
	Drink reception and networking	