

## SmartRail Final Conference

25<sup>th</sup> & 26<sup>th</sup> August, 2014

Ljubljana, Slovenia

### ORGANIZING COMMITTEE

Kenneth Gavin, UCD (SmartRail Project Coordinator)

Wolfgang H. Steinicke, EURNEX

Stanislav Lenart, ZAG

### VENUE

#### Monday 25<sup>th</sup> August, 2014

**Conference:** Grand Hotel Union Business (GHUB), [Miklošičeva 3](#), Ljubljana, Slovenia

**Conference dinner:** Gostilna na gradu, [Grajska planota 1](#), Ljubljana

Departure for dinner at 18:40 in front of hotel Grand Hotel Union, [Miklošičeva 1](#), Ljubljana. Participants will have possibility to walk to the restaurant in the castle (appr. 15 min) or take a [funicular railway](#).

#### Tuesday 26<sup>th</sup> August 2014

**Site visit:** Building site for railway rehabilitation in Eastern Slovenia (Gobelno) and Railway Museum in [Šentjur](#), [Gajstova pot 4](#), 3230 Šentjur

Bus transfer of conference participants for the site visit will be organized. Bus departure at 8:50 in front of hotel Grand Hotel Union, [Miklošičeva 1](#), Ljubljana. Lunch at tourist farm [Domačija Debeljak](#), Lovnik 11, 2319 Poljčane. Return to Ljubljana at 16:00.



## CONFERENCE SCHEDULE

<b>Monday 25<sup>th</sup> August, 2014</b>		<b>Speaker</b>	<b>Affiliation</b>	<b>LOCATION</b>
<b>09.00 – 09.30</b>	Registration & Welcome Coffee			GHUB, 1 <sup>st</sup> floor lobby
<b>09.30 – 10.00</b>	Welcome	K. Gavin	UCD	GHUB, Orchid room
	Opening “User Involvement”	W. H. Steinicke	EURNEX	
<b>10.00 – 10.30</b>	Key Note “Rail Infrastructure – Asset for Society’s welfare	A.Zimmer	UNECE TER	GHUB, Orchid room
<b>10.45 – 11.00</b>	Coffee Break			1 <sup>st</sup> floor lobby
<b>11.00 – 12.30</b>	“Project Results”			GHUB, Orchid room
	WP1 Finding from WP1 – Monitoring & Inspection	K. Gavin	UCD	
	WP1 Corrosion Sensors	M.B.Leban	ZAG	
	WP2 Assessment and Models	Eugene O’Brien	RODIS	
	WP3 Rehabilitation technologies	I. Stipanovic, S. Lenart, M. Vajdic, D. Liu, T. Mikulic, A. Sajna	UT, Various	
<b>12.30 – 13.30</b>	Lunch			GHUB, Restaurant
<b>13.30 – 14.00</b>	Key Note “Remediation of ageing rail infrastructure in Croatia: Past present and future status of the railway network”	S.Kovačević	University of Zagreb	GHUB, Orchid room
<b>14.00 – 15.00</b>	“Project Results”			GHUB, Orchid room
	WP3&WP4 Sustainable rehabilitations of ballasted track by the use of geosynthetic reinforced soil	S.Lenart, S.Kovačić	ZAG SŽ	
	WP4 LCA/WLC SMARTRAIL Tool WP5 Project Results	K.B. Fifer M. Robson	ZAG EURNEX	

<b>15.00 –</b> <b>15.30</b>	Coffee Break			GHUB, 1 <sup>st</sup> floor lobby
<b>15.30 –</b> <b>16.00</b>	“Enabling resilient rail network - Weather forecasting”	S.Eisenbach	UbiMET	GHUB, Orchid room
<b>16.00 –</b> <b>17.30</b>	“Roundtable Discussions” Summary of First Day	W. H. Steinicke, K. Gavin (moderators)		GHUB, Orchid room
	Roundtable participants: I. Stipanovic, E. O’Brien, E. Fortunato, M. Robson, A. Zimmer, S. Eisenbach, S. Kovacevic			
<b>19.00</b>	Conference Dinner			Restaurant “Gostilna na gradu”

<b>Tuesday 26<sup>th</sup> August 2014</b>		<b>Speaker</b>	<b>Affiliation</b>	<b>LOCATION</b>
<b>09.00</b>	Site Visit			Building site for railway rehabilitation in Eastern Slovenia
<b>–</b> <b>12.00</b>				
<b>12.30</b>	LUNCH			
<b>13.30–</b> <b>14.00</b>	Summary & Closing	K. Gavin	UCD	
<b>16.00</b>	Return to the Grand Hotel Union, <a href="#">Miklošičeva 1</a> , Ljubljana			




## KEY NOTE SPEAKER INFORMATION

**Meho Sasa Kovacevic** is full professor at the Faculty of Civil Engineering in Zagreb. He received his BA in 1991, MSc in 1994 and PhD in 1999. Additionally, he holds diplomas in Geotechnical soil investigation (Geodelft, Netherlands, 2004), Geotechnical instrumentation for field measurement (Geodelft, Netherlands, 2001), Design-build-contracting (American Society of Civil Engineers, USA, 1999) and Geotechnical instrumentation for field measurement (American Society of Civil Engineers, USA, 1997). Currently, he is Head of the Department for Geotechnics and Head of Chair for Rock Mechanics and Investigation Works. His most significant contribution to the science and practice is reflected in the wider implementation of a number of methods of geotechnical measurements and observations in construction practices, as well as developing of field and laboratory testing methods of soil and rock. Under his supervision, more than 80 students have graduated, 7 received MSc and 5 received PhD. Professor Kovacevic participated and participates as a manager or associate in five national research projects, and in four international scientific research project. He has authored or co-authored 17 papers in journals and 95 papers at conferences. He is also editor of three books in the field of geotechnics. In period 2004 – 2008 prof. Kovačević was secretary of Croatian Geotechnical Society and in period 2006 -2010 he was a Vice Dean for Business on Faculty of CE in Zagreb. He is currently president of the Croatian Association for Underground Construction and member of the scientific committee of the International Geothermal Center in Bochum. He is also member of Croatian Society for Rock Mechanics, International Society for Rock Mechanics, International Society for Soil Mechanics and Geotechnical Engineering and American Society of Civil Engineers. Prof. Kovacevic is chartered Civil engineer (20 years of experience) with more than 90 projects as main designer. He is also chartered design auditor.



**Andreas C Zimmer** is Deputy Project Manager, UNECE Trans European Railway since 2014. Previously his role was as Competitive Manager at Railcargo Austria. He has extensive experience working with rail infrastructure management. In his current role he has responsibility for ensuring that the TER Project is implemented according to the work programme approved by the TER Steering Committee. This includes preparing the draft programmes of work for TER Project. <http://www.unece.org/trans/main/ter/ter.html>



**Stefan Eisenbach** studied meteorology and geography at the University of Vienna (Austria) and attended special courses at the Institute of Mountain Risk Engineering about snow physics, avalanches and avalanche protection. During his studies Mr. Eisenbach organized large scale field campaigns about cold air pools in valleys and got an invitation by the Pacific Northwest Laboratory (PNNL) of the US Department of Energy (DOE) for further research activities in this topic. In 2004 Mr. Eisenbach joined the meteorological institute UBMIET he is responsible for meteorological networks (e.g. testing of new sensors) and for all research and development activities in the railway sector. He is as well responsible for the implementation of meteorological information and the development of meteorological alert systems for the Austrian Federal Railways

