



RIVAS Project Final Conference

# Programme

**Railway Induced Vibrations  
Abatement Solutions**

**Final Conference**  
“Vibrations – Ways out of the annoyance”

## RIVAS Final Conference “Vibrations – Ways out of the annoyance” Brussels, 21 November 2013,

### Morning Session

Moderator: Isabelle De Keyzer (UIC)

08:30 – 09:00

**Registration and welcome coffee**

Albert II  
Auditorium

09:00 – 09:30

#### Opening and introduction

Welcome  
The position of the European Railway Industry  
on ground borne vibrations  
Opening address

*I. De Keyzer, UIC*  
*Ph. Citroën, Director*  
*General of UNIFE*  
*HG Kersten, Director*  
*of Rail System*  
*Department of UIC*  
*W. Behr, Technical*  
*Coordinator, UIC*

General introduction on RIVAS

09:30 – 10:30

#### WP2 Wheel/rail interface maintenance: Reducing vibrations at source

Overview of the excitation mechanisms and  
monitoring  
Reducing track defects to mitigate vibrations  
Reducing wheel OOR to mitigate vibrations

*L. Pesqueux, Alstom*  
*J. Feng, DB*  
*R. Müller, SBB*

10:30 – 10:40

#### Question and Answer Session

Marble Room

10:40– 11:00

**Coffee break**

Albert II  
Auditorium

11:00 – 12:00

#### WP5 Rolling stock design for reducing ground vibration

Introduction to the rolling stock aspects on  
ground vibration and the simulation of vehicle  
influence  
Quantifying the influence of the vehicle design  
on ground vibration by measurements.  
Reducing ground vibration with improved  
vehicle design

*A. Mirza (Bombardier)*  
*P. Huber (Prose)*  
*J. Nielsen (Chalmers)*

12:00 – 12:10

#### Question and Answer Session

12:10 – 13:10

#### WP3 Design of low emissive tracks in terms of ground vibration

Transmission path mitigation measures in  
terms of railway induced ground vibrations  
Under sleeper pads impact in ballasted and  
slab track  
Track mitigation measures: From straight lines  
to particular track sections

*R. Garburg (DB)*  
*B. Faure (SNCF)*  
*E. Bongini (SNCF)*

13:10 – 13:20

#### Question and Answer Session

13:20 – 14:30

**Networking lunch**

**Afternoon session: See next page**

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## **Afternoon Session**

*Moderator: Isabelle De Keyzer (UIC)*

### **Albert II Auditorium**

14:30 – 15:30	<b>WP4 Transmission path mitigation measures</b> Transmission path mitigation measures studied in RIVAS Soft wave barriers for railway induced ground vibration Stiff wave barriers for railway induced ground vibration	<i>G. Lombaert (KU Leuven)</i> <i>D. Thompson, (ISVR)</i> <i>P. Coulier and A. Dijkmans, (KU Leuven)</i>
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### **15:30 – 15:40 Question and Answer Session**

### **Marble Room**

**15:40 – 16:00 Coffee break**

16:00 – 17:00	<b>WP1 Measures ensuring the applicability of RIVAS in all European countries</b> Measuring efficiencies and influencing parameters Final evaluation of results from the RIVAS project Reference track for optimized vehicle design	<i>G. Degrande (KU Leuven)</i> <i>D. Stiebel (DB)</i> <i>P. de Vos (SATIS)</i>
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17:00 – 17:20	Last question and answer Session Wrap up and conclusions	<i>All speakers</i> <i>W. Behr (UIC)</i> <i>I. De Keyzer (UIC)</i>
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**17:20 End of the conference**

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**Brussels, 21 November 2013,**

**Useful information**

**VENUES:**

**Conference**

**21 November 2013**



Royal Flemish Academy  
of Belgium for Science and the Arts

Royal Flemish Academy of Belgium (Koninklijke Vlaamse  
Academie van België (KVAB))  
Rue Ducale 1/ Hertogstraat 1,  
B-1000 Brussels – Belgium

KVAB Website: <http://www.kvab.be>

**Social Event**

**20 November 2013**

**Starts at 19:30 in Restaurant Kwint**

Located at walking distance from the conference venue

Mont des Arts, 1 – Kunstberg 1

B-1000 Bruxelles – Brussel

Website: <http://www.kwintbrussels.com>

**CONTACT:**

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Visit us at

**[www.rivas-project.eu](http://www.rivas-project.eu)**