

INVITATION

STARDAMP Final Workshop on

Assessing dampers for railway noise reduction

18th October 2012 – Munich, Germany

After two years of project work the partners of **STARDAMP** are pleased to present a new method to assess the performance of wheel and rail dampers without the need of arranging costly field tests.

The **STARDAMP**-method is based on laboratory measurements on single damped wheels or freely suspended short lengths of rail. It has been developed to provide all kinds of user a method for comparison of different damper products, which is both robust and easy to use. Further, the **STARDAMP**-method includes a specially developed software-tool for computing the possible rolling noise reduction using the results of the laboratory tests.



A full day of sessions, discussions and demonstrations will cover the work conducted by the **STARDAMP** cooperation. During the workshop, the **STARDAMP** project concept, as well as the results will be presented and discussed. The workshop is aimed at railway technicians, acoustic consultants and product suppliers, as well as railway infrastructure and rolling stock managers from railway companies.

The workshop will take place on **October 18th, 2012 at DB Systemtechnik in Munich**. The registration for the workshop is free of charge and can be submitted online (<http://www.db-systemtechnik.de/site/dbsystemtechnik/de/veranstaltungen/stardamp/stardamp.html>) until September 20th, 2012. Please note that due to the limited space, the number of participants will be restricted. Early registration is recommended.

Agenda

- 9:00 Welcome and STARDAMP project overview**
Alfred Hechenberger (DB Systemtechnik)
Bernd Asmussen (DB Systemtechnik)
Alexander Spieshöfer (Projekträger M&Vt)
- 9:30 Challenges of innovative noise reduction**
Maria Starnberg (DB Systemtechnik)
- 9:45 Motivation for STARDAMP**
Florence Margiocchi (SNCF)
- 10:00 Damping of rail and wheel (fundamentals)**
David Thompson (ISVR, University of Southampton)
- 10:30 Coffee break**
- 11:00 Measurement Protocols, Laboratory measurements, Round robin test**
- General remarks -Helmut Venghaus (Schrey&Veit)
 - Lab testing of rail dampers -Paul Kitson (Tata steel)
 - Lab testing of wheel dampers -Thomas Gerlach, Francois Demilly (GHH-Valdunes)
- 12:00 Demonstration of the STARDAMP-software tool**
- Introduction -David Thompson (ISVR, University of Southampton)
 - Application to wheel dampers -Benjamin Betgen (Vibratec)
 - Application to rail dampers -David Thompson (ISVR, University of Southampton)
- 13:00 Lunch**
- 14:00 Coffee and chance to see exhibition**
- 14:30 Field tests and validation**
Florence Margiocchi (SNCF)
- 14:50 STARDAMP method – recommendations and best practice rules**
Lise Pesqueux (Alstom Transport)
- 15:15 Discussion**
- 16:00 DB Rig tests for wheel dampers**
Bernd Asmussen (DB Systemtechnik)
- 16:20 Testing rail dampers in Switzerland**
Enzo Scossa Romano (SBB)
- 16:40 Conclusions and final remarks**
Florence Margiocchi (SNCF)
- 17:00 Exhibition open until 18:00**
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