



Wednesday, 13th of May 10:00–10:45 AM

Noise, Vibration and Harshness reduction in Rail Car interior

Abstract

Interior noise affects vehicles' ride comfort being one of the key issues to be addressed in the design, manufacture, and operation of modern rail cars. 3M offers a variety of adhesive bonding and vibration damping solutions able to provide significant improvement of acoustic comfort for passengers. This webinar will offer an overview of 3M Noise, Vibration and Harshness (NVH) solutions and their applications in rail passenger carriages. In particular substantial attention will be paid to key physical principles and design factors influencing acoustic performance of these solutions in real applications.

Agenda

- ▶ Key sources and propagation paths of noise inside rail cars
- ▶ 5 principal ways to reduce noise
- ▶ Overview of 3M NVH reduction solutions relevant for rail industry
- ▶ Applications for reduction of interior buzz, squeak and rattle
- ▶ Applications for damping of vibration and structure-borne noises

Lecturer

Yaroslav Khodataev

Yaroslav Khodataev is Technical Specialist at 3M's Bus, Truck and Rail Application Engineering Team in EMEA area. His working areas include development of new application of 3M products for Transportation markets with special focus on adhesive technologies and acoustic science. Yaroslav graduated from Moscow Institute of Physics and Technology and has worked at 3M Russia since 2003.

Access

- ▶ Skype or any other application is not required – you just need web browser
- ▶ **Sign up** is required – please register to receive more interesting information
- ▶ At the end of the lecture there will be time for a Q&A
- ▶ All material presented will be shared with participants
- ▶ An FEA workshop certificate can be provided upon request
- ▶ Contact info: Marcin Domanski mdomanski@mmm.com +48 883-343-380

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