



## TECHNICAL WORKSHOP

### BRAKE TESTING AND PARTICLE EMISSION MEASURING

Tuesday 15th September  VITRY-SUR-SEINE

Eurailtest and its partner, the Railway Test Agency (**SNCF Voyageurs**) are organising a technical workshop dedicated to brake particle emissions. Experts in the fields of air quality and brake testing will present their work and services for measuring and analysing particle emissions.

See the full programme on the back of the page.

#### Information and Registration

Participation fee: €200 excluding VAT or €240 including VAT @ 20%

Reception location: Agence d'Essai Ferroviaire, 21 av. du Président

Allende 94407 Vitry-sur-Seine Cedex - FRANCE

Registration : [contact@eurailtest.com](mailto:contact@eurailtest.com)



Calling all railway professionals and equipment manufacturers! Come and take part in this day-long workshop tackling the themes of bench brake tests and particle emissions in underground railway enclosures.

# P R O G R A M M E

Tuesday 15th September 2020  Railway Test Agency

**8:30 a.m.** *Welcome address for participants*

**8:45 a.m.** *Introduction and opening of workshop*

**10:30 a.m.** *Break*

**9:00 a.m. AIR QUALITY IN UNDERGROUND RAILWAY ENCLOSURES**

- a. Technical and regulatory context
- b. Air quality monitoring within underground railway enclosures
- c. Actions and experiments to improve air quality

- *Laurent Dupont*, Head of the Environment and Prevention Department - AEF
- *Vincent Arrigoni*, Technical Coordinator of the Environment and Prevention Department - AEF

**11:00 a.m. QUANTIFYING AND QUALIFYING EMISSIONS RELATED TO BRAKING**

- a. System for measuring polluting emissions
- b. Physico-chemical characterisation of the particles
- c. Towards new approval criteria?

- *Laurent Dupont*, Head of the Environment and Prevention Department - AEF
- *Vincent Arrigoni*, Technical Coordinator of the Environment and Prevention Department - AEF

**9:45 a.m. INVESTIGATION AND APPROVAL OF BRAKE TEST COMPONENTS**

- a. Principle and operation of the brake test bench
- b. Journey simulation
- c. Organising tests according to the datasheets of the International Union of Railways

- *Tanguy Bize*, Head of the Structures, Components and Brakes Department - AEF
- *Thibault Pawlak*, Structures, Components and Brakes Department - AEF

**11:30 a.m. VISITS AND DEMONSTRATIONS**

- a. Presentation and visit to the brake test bench
- b. Visit to the cabin dedicated to analysing pollutants
- c. Presentation of instruments for analysing air quality

**1:00 p.m.** *Lunch buffet*