

THE SUSTAINABLE FREIGHT RAILWAY: DESIGNING THE FREIGHT VEHICLE — TRACK SYSTEM FOR HIGHER DELIVERED TONNAGE WITH IMPROVED AVAILABILITY AT REDUCED COST

FINAL CONFERENCE PROGRAMME

MORNING SESSION

- 08:30 Participants Registration
UIC, UNIFE
- 09:00 Welcome Note and Opening
UIC, D'APPOLONIA
- 09:15 **Freight corridors: the European perspective**
EUROPEAN COMMISSION (TBC)
- 09:45 **The position of the railway operators on the freight vehicle**
UIC
- 10:00 **The position of the manufacturers on the freight vehicle**
UNIFE
- 10:15 **Sustrail Project Introduction**
▶ *An Integrated Approach for an Increased Performance in the Freight Rail System*
D'APPOLONIA
- 10:30 *Coffee Break*
- 11:00 **Highlights on validation of project results**
NETWORK RAIL, NEWCASTLE UNIVERSITY
- 11:35 **The freight train of the future – towards a sustainable vehicle** UNIVERSITY OF HUDDERSFIELD
▶ *Improved running gear*
PETERSBURG STATE TRANSPORT UNIVERSITY / KUNGLIGA TEKNISKA HOEGSKOLAN / TECHNISCHE UNIVERSITÄT BERLIN / GTU
▶ *Novel wheelset design*
LUCCHINI / POLIMI
▶ *Improved braking systems*
KES GMBH
▶ *Improved bogie structure design*
REMARUL
▶ *Lightweight body concepts*
NEWCASTLE UNIVERSITY
▶ *Condition monitoring for the freight rail vehicle*
MERMEC
- 12:30 *Lunch*



THE SUSTAINABLE FREIGHT RAILWAY: DESIGNING THE FREIGHT VEHICLE – TRACK SYSTEM FOR HIGHER DELIVERED TONNAGE WITH IMPROVED AVAILABILITY AT REDUCED COST

- 13:30 **Sustainable Track – towards a “zero” maintenance track**
 NETWORK RAIL
 ▶ *Performance based design principles*
 D'APPOLONIA
 ▶ *Supportive ballast and substrate*
 D'APPOLONIA
 ▶ *Switches and crossing*
 UNIVERSITY OF HUDDERSFIELD
 ▶ *Track based condition monitoring*
 MERMEC
- 14:30 **Establishing the business case**
 UNIVERSITY OF LEEDS
 ▶ *LCC and RAMS*
 LULEA TECHNICAL UNIVERSITY
 ▶ *User and environmental benefits*
 UNIVERSITY OF LEEDS
 ▶ *Technical implementation*
 NETWORK RAIL AND GRUPPO CLAS
- 15:30 *Coffee Break*
- 16:00 **Synergies with other EU-funded projects**
 ▶ *SPARTACUS and SPECTRUM*
 D'APPOLONIA AND NEWCASTLE UNIVERSITY
- 16:30 **SUSTRAIL and the way ahead**
 ▶ *Links with S²R IP5*
 ▶ *Rail freight in H2020*
 TRAFIKVERKET (TBC)
- 17:00 Discussion and questions and answer
- 17:30 Closing of the conference
 D'APPOLONIA / UIC

▶ *Organisation*
 Ms. Isabelle De Keyzer
 Phone: +33 (0)1 44 49 20 37
 E-mail: DEKEYZER@uic.org

▶ *Royal Flemish Academy of Belgium
 for Science and the Arts*
 Academy Palace - Hertogsstraat 1 - 1000 Brussel
 More information: www.kvab.be/contact.aspx

