



RailTech® EUROPE '21 LIVE

HOST

ProRail

THE DIGITAL EDITION

30,31 MARCH & 1 APRIL 2021

29
MARCH

MAIN STAGE

13.30 - 14.00 Round table European Year of Rail

With guests Wim van de Camp (Ambassador Year of Rail), Justus Hartkamp (ProRail), Karin Haaksman (Unife), Corina de Jongh (Railforum)

14.00 - 17.00 Live restream of the launch event European Year of Rail in Portugal.

We will stream the official opening of the European Year of Rail at the platform of RailTech Europe 2021. All delegates have access to this stream.



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09.30 - 10.00 Official opening ceremony of RailTech Europe 2021 // LIVE

John Voppen and Stientje van Veldhoven (State Secretary, Ministry of Infrastructure and Water Management)

10.00 - 10.10 Welcome

Rogier Elshout (moderator)

10.10 - 10.25 Cooperation between EU countries stimulating international rail connections

Stientje van Veldhoven (State Secretary, Ministry of Infrastructure and Water Management)

10.30 - 10.45 The kick-off of the European Year of Rail

Elisabeth Werner (Director Land Transport, European Commission)

10.45 - 11.00 Green deal

Diederik Samsom (Head of Cabinet team Frans Timmermans, European Commission)

11.00 - 11.30 Panel discussion expectations European Year of Rail

Elisabeth Werner, John Voppen & Diederik Samsom

SESSION I PRACTICAL EXAMPLES OF GREEN INITIATIVES**12.00 - 12.05 Welcome****12.25 - 12.40 On-board energy metering enables energy savings**

Bart van der Spiegel (Energy Management, Infrabel)

12.40 - 12.55 Fossil Free Future of Track Work Machinery

Martina Zeiner, University assistant at TU Graz & Víctor Barrena Cárdenas, System Engineer at Plasser & Theurer

SESSION II CREATING MODAL SHIFT**14.00 - 14.10 Welcome****14.10 - 14.25 What is next for TEN-T policy and how will it boost modal shift?**

Catherine Trautmann (European Coordinator for the North Sea-Baltic TEN-T Corridor)

14.25 - 14.40 TransEuropeExpress TEE 2.0

Florian Böhm, (Head of Secretariat of the Federal Government Commissioner for Rail Transport, German Ministry of Transport and Digital Infrastructure)

14.40 - 14.55 Platform International Railway Passengers transport

Hinne Groot (Coordinator International Rail Affairs, Ministry of Infrastructure and Water Management)

15.10 - 15.25 How to realize the shift to rail from the passenger perspective

Delphine Grandsart (Senior Researcher, European Passenger's Federation)

15.35 - 16.00 Panel about Level playing field competition in international railway transport: pro's & con's**11.00 - 11.20 Prorail's vision on rail freight transport**

An interview with Ans Rietstra (COO, ProRail)

11.20 - 11.50 ATO as gamechanger

Jaco van Meijeren (Senior Business Consultant Logistics, TNO)

12.00 - 12.40 The new station quarters

Miguel Loos (Architect & senior advisor for architecture and urbanism, Spoorbouwmeester)

12.50 - 13.20 The road to 1 European timetable

Jeroen Wesdorp (Programma-manager Landelijk Netwerk, ProRail) & Thomas Moerman (Team Lead International Affairs, Infrabel)

13.20 - 13.50 European CO2 benchmark

Philippe Stefanos (Sustainability Advisor, International Union of Railways)

13.50 - 14.20 Rail to the COP

Thomas Möhring (Policy Advisor Sustainability, ProRail)

14.30 - 16.00 Business Game**16.00 - 16.30 Zero Emission Rail Transport**

Michiel Deerenberg (Sustainable Rail Innovator, ProRail)

16.40 - 17.20 Transforming Europe's Rail System

Arjen Zoeteman (Senior Program Manager Research, ProRail) & Erwin Abbink (Head of Innovation & Analytics, NS)

17.30 - 18.00 How to facilitate growth? Size does matter!

Patrick Koolen (Policy Advisor Logistical Developments) & Guus de Mol (President at Rail Freight Corridor Rhine-Alpine, EWIV)

THE PASSENGER**10.00 - 10.20 Body Structures of Rail Coaches by ROLL FORMING Technology**

John Shin (Managing Director of SHC Heavy Industry)

10.45 - 11.05 Train traveller behaviour during and after Covid-19

Niels van Oort & Danique Ton (Smart Public Transport Lab at Delft University of Technology)

11.05 - 11.25 What are the expectations after COVID-19?

Mark van Hagen (Principal consultant, NS)

11.25 - 12.00 Round table discussion COVID-19 and the effect on passenger travel behaviour

Panellist are: Niels van Oort (TU Delft), Danique Ton (TU Delft), Mark van Haagen (NS) and Michiel Voes (University Antwerp)

12.15 - 12.35 How retail innovation is key to create new sustainable travel habits?

Audrey Détrie (Managing Director at Trainline International)

SUSTAINABILITY**13.00 - 13.20 SPIN APP, a smart tool to assess and build back better**

Anna Leemans (Secretary General at Yellow Design Foundation)

13.30 - 14.00 A circular railway: a forgotten art

Akkie Stomphorst & Erno Chevallier (Voestalpine Railpro)

14.15 - 14.35 Circular Dismantling of Trains

Maarten van Cann, Project Manager NS (Dutch Railways)

14.45 - 15.15 Let's bring rail experience to road

Erik Koopman (Business Development Manager, Siemens)

15.30 - 15.50 Protecting tomorrow today

PION Kunststoffen

SESSION I THE EVOLUTION OF ERTMS**10.00 - 10.05 Welcome**

Rogier Elshout (moderator of the day)

10.05 - 10.15 Current updates and developments

Simon Fletcher (Director Europe, UIC)

10.15 - 10.30 What's going on in Europe?

Matthias Ruete (ERTMS coordinator, European Commission)

10.30 - 10.45 Technology versus Human Factors

Wim Knopperts (Program Director ERTMS at ProRail) & Hella van Veen (Project Manager ERTMS at ProRail)

10.50 - 11.05 ERTMS and digitalisation contribute to a more sustainable and circular rail sector

Klaus Mindel (Director CCS Architecture Strategy, Thales Deutschland)

SESSION II AUTOMATION**11.15 - 11.20 Welcome****11.25 - 11.40 ETCS: A Driver of Innovation through Interoperability**

Ruediger Brandt (Vice President Sales ETCS, Siemens)

11.40 - 11.55 The autonomous train is the future for railway

Pavel Popov (Technical head for the implementation of ATO, Russian Railways)

11.55 - 12.05**Project ATO on class B system in the Netherlands**

Lammert Visser (Projectmanager in the ATO team, NS)

12.05 - 12.20 Digital Automatic Coupling for freight trains

Mark Topal-Gökceli (Programme manager, European DAC Delivery Programme)

12.30 - 13.30 Pitches nominees innovation awards**SESSION III DIGITAL COMMUNICATION****14.00 - 14.10 Welcome****14.10 - 14.25****Digital Rail for Germany is paving the way for innovation**

Philipp Bührsch (Managing Director, DSD GmbH)

14.25 - 14.40 Precise and reliable train localization thanks to EGNOS

Virginia Antón (EGNOS Service Adoption Expert, ESSP SAS) & Daniel Lopour (Market Development Officer, European GNSS Agency)

15.05 - 15.20 Future Rail Mobile Communication System

Jean-Michel Evanghelou (Head of Telecom & Signaling, UIC)

15.20 - 15.35 Success conditions for the transition to FRMCS - view from the telecommunications supply industry

Michael Mikulandra (Chairman Unitel Committee, Unife)

15.35-16.00 Panel discussion: how can new technologies accelerate the competitiveness of rail**16.30 - 17.30 RailTech Innovation Awards Ceremony****10.20 - 11.10 De rol van vertrouwen in contractrelaties**

Tjeerd Biessels (Procurement strategist, ProRail) & Alf Smolders (Gebiedsmanager, ProRail)

11.20 - 11.50 Simulation for development of ERTMS innovations

Emdzad Sehic (Project manager Innovation & Technological Development) & Jelle van Luijpen (Programme Manager Innovation, ProRail)

12.00 - 12.20 Open Engineering bij ERTMS

Henrico Plantinga (Procurement Advisor, ProRail) & René van der Haar (Senior Project Manager infra, ProRail)

12.30 - 13.00 As Soon As Possible (ASAP) ERTMS: Innovatiepartnership première!

Carla van Ee (Innovator, ProRail) & Ankie Hectors (Projectmanager, ProRail)

13.10 - 13.50 Rondetafelgesprek: Rail als verbindende factor

Timo Idema (Head of Strategy, ProRail), Jeannette Baljeu (Voorzitter Railforum en Gedeputeerde Provincie Zuid-Holland), Rachel van Houwelingen (Hoofd beleid en omgeving, ministerie van Infrastructuur en Waterstaat), Erik Verroen (topadviseur, Rijkswaterstaat), Nanouke van 't Riet - Visser (Algemeen directeur CEO, DB Cargo), Kaj Mook (Senior Managing Consultant, Berenschot) & Wim van de Camp (Member EPP/CDA of the European Parliament)

14.00 - 14.30 Energie en Stations

Andreas Toufexes (Adviseur Stations, Ontwikkeling & Beleid, ProRail)

14.30 - 15.30 Duurzaam werken als uitgangspunt bedrijfsvoering**15.40 - 16.10 De emissievrije bouwplaats**

Paul Norbart (Adviseur Duurzaamheid Procurement, ProRail)

16.10 - 17.20 Spoorse escaperoom**AUTOMATION IN RAIL****9.45 - 10.15 Position Paper Automatic Train Operation**

Patrick Combrink (ProRail and Jaco van Meijeren, TNO)

10.30 - 11.00 Automatic train operation, a challenged promise

Michiel Veltman (Senior consultant Royal HaskoningDHV)

11.15 - 11.35 Automated Train Operation (ATO) successfully tested in Rail Freight

Interview with Jacob Baseliyos (DB Cargo)

11.45-12.10**Solving ERTMS issues as soon as possible**

Arco Sierts (owner of Intervice)

RAIL OPERATION**13.00 - 13.20 Train to Ground communications network**

Claudio Bassani (Vertical Solution Expert Transportation, Nokia)

13.30 - 14.00 It all starts at trackside

Ingo Rath (Head of Application Projects Product Business at Thales Deutschland)

14.15 - 14.35 Potential and challenges of Virtual Coupling for improved railway capacity

Joelle Aoun (PhD researcher at the Department of Transport and Planning at Delft University of Technology)

14.45 - 15.15 Showcasing our data-driven approach at ProRail

Jeroen Silfhout (Sara Larsson, Thomas Yperlaan & Rob Udink, CGI)

15.30 - 15.50 Digital Asset Monitoring

Maarten Zanen & Maarten de Vries (Ricardo Rail)

**SESSION I DIGITALISING
TWTHE INFRASTRUCTURE****10.00 - 10.10 Welcome**

Rogier Elshout (moderator)

**10.10 - 10.25 Building Blocks of
a Digital Infrastructure**

Carlo Borghini (Executive Director, Shift2Rail Joint Undertaking)

**10.25 - 10.40 Digitalisation as
the driver for a sustainable and
resilient rail infrastructure**

Monika Heiming (Executive Director, EIMrail)

**10.40 - 10.55 Demystifying digital
twins:****why, what and how?**

Bart Brink (Global Director Digital Twin, Royal Haskoning DHV)

**SESSION II PRACTICAL
APPLICATIONS****11.00 - 11.05 Welcome****11.05 - 11.20 Digitalisation in
Greenfield project**

Kaspars Briškens (Head of Strategy & Development, RailBaltica)

**11.20 - 11.35 Data-driven
approach of Rail freight logistics
in the port of Rotterdam**

Karel van Gils

**11.50 - 12.05 Mobile mapping
(scanning
all the rail objects)**

Erik Pinter (Teamcoördinator/Track Analysis, ÖBB-Infrastruktur)

**SESSION III PERFORMANCE
OF RAIL ASSETS****14.00 - 14.10 Welcome****14.10 - 14.25 Vulnerability of
railway assets to black swans:
Predicting the unpredictable**

Diego Galar (Professor of Condition Monitoring, Luleå University of Technology & Director of Maintenance and Reliability, Tecnalia)

**14.25 - 14.40 Monitor Rail assets
with augmented reality**

Richard Thorp (Engineering Director, HS1)

**14.40 - 14.55 Environmental
Impacts of Railway
Infrastructure: Potentials for
Mitigation**

Matthias Landgraff (Senior Scientist, Graz University of Technology)

**15.05 - 15.20 Combining rolling
stock and infrastructure data to
optimize availability**

Danny Meringa (Data Analyst, Siemens) & Emilio Tuinenburg (responsible for digital transformation at Siemens Mobility)

**9.00 - 9.20 RailHope
Nederland**

Robbert Vroomen (Sustainability Lead and Value Facilitator, ProRail) & Maarten Pijnacker Hordijk (Senior Consultant, ProRail)

**9.30 - 10.00 Modern Haiku
Introduction**

Dineke Oudijk (Project Analyst, ProRail)

**10.00 - 10.30 Modern Haiku
Deep Dive**

Dineke Oudijk (Project Analyst, ProRail)

**10.30 - 11.30 Online
solliciteren - Young
Professionals**

Briitt van Brug (Campus recruitment, ProRail), Teun van Keeken (Talent Acquisition specialist, ProRail) & Chantal van Kuyen (Expert in Engagement & Employer Branding, Employer Brander)

**11.30 - 12.00 Eyes on,
Hands off**

Juliette van Driel (System manager Quo Vadis and Hotbox, ProRail) & Kenny Peters (Specialist Real-time Monitoring, ProRail)

**12.10 - 12.50 Toekomstige
businessmodellen in railinfra**

Henk van Oostveen (Manager Techniek Strategie, ProRail) & Joost Scheepens

**13.00 - 13.30 Safety
management in
productontwikkeling**

Priscilla van der Meer (Safety Manager, ProRail)

**13.30 - 14.00 Operatie
Havenspoorlijn**

Silvia Bus (Projectcoördinator, ProRail) & Ben van Hooijdonk (Project manager, ProRail)

**14.00 - 14.30 Naar een
circulair spoor: kansen en
dilemma's**

Katja Nelissen (Circulair ambassadeur, ProRail)

**15.00 - 15.30 Ecologische
hoofdinfrastructuur/Groene
netten****15.40 - 16.10 Bouwen aan een
Landgoedstation**

Marike Andringa (Adviseur omgevingscommunicatie, ProRail)

**16.20 - 16.50 ProRail Schema
Service: automatic generation
of schematic rail diagrams
from geographic data**

Angela Brands (Business Information Analyst, CGI) & Sabine Geldermans (Architect, ProRail)

**17.00 - 17.40 A campfire to
engage**

Patrick Koolen (Policy Advisor Logistical Developments) & Dineke Oudijk (Project Analyst, ProRail)

MAINTENANCE**9.00 - 9.20 Alom / Rosehill
rubber level crossing installation
and****Anti-Trespass panels**

Mark van den Rijen & Dennis Roufs (Alom)

**9.30 - 9.50 Mobile Rail Milling in
the Netherlands - A Field Report**

Barry Bierman (Project Manager Vossloh)

**10.00 - 10.20 Preventing Asset
MISmanagement: how to
avoid the largest pitfalls in
Assetmanagement**

Anna Klamer (Technology Consultant, Stevin)

**10.30 - 10.50 Preventing Asset
Safer-W: track workers safety
first!**

Marlene Klompenhouwer (Head of Department Singular Assets)

**11.00 - 11.20 Process
optimization with new tamping
machines at Infrabel**

Krzysztof Wilczek (Head of Track Analytics at Plasser & Theurer)

**11.30 - 11.50 On Board
Monitoring for Railway
infrastructure: Extracting
Indicators for Diagnosis &
Prognosis**

Eleni Chatzi & Cyprien Hoelzl (ETH Zurich)

**12.00 - 12.20 New IOT sensor
measures railway void!**

Paul Kampfraath (Kampa) & Pascal van der Zwalm (Rail1435)

**12.30 - 13.00 InnoTamp,
background and approach**

Mark Thomas (Business Development Manager/Project Manager Rail, Fugro)

DATA ANALYTICS**13.00 - 13.30 Automatic Digital
Twin creation from point clouds**

Tobias Wittwer (GeoNext)

**13.45 - 14.05 Vibration
energy harvesting will boost
development of IoT in railways**

Donat Ponamariov (CEO of the Lithuanian startup Viezo)

**14.15 - 14.45 Integrated data
acquisition railway vegetation
management**

Jack Vogelaar (Business Development Manager Rail, Fugro)

**15.00 - 15.20 Innovative
Monitoring System for Return
Cables in DC-Rail applications**

Dietmar Ast (Rail Power Systems)

**15.30 - 15.50 RailCloud:
Data centric maintenance
management for railway tracks**

Peter Merz (VDM Rail)