

 **17-21**
Sept. 2024

 **Vienna, Austria**
Aula der Wissenschaften



The world's largest conference
on railway safety.

LIVING SAFETY CONFERENCE PROGRAM

Update: 3 SEPT 2024

partner

 Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

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 Railway
safety



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OVERVIEW

	Tuesday 17.SEP	Wednesday 18.SEP	Thursday 19.SEP	Friday 20.SEP	Saturday 21.SEP
Morning		Doors Open & Registration from 07:30	Doors Open & Registration from 07:30	Doors Open & Registration from 07:30	
		Opening Ceremony Living Safety 09:00 – 10:15	Tunnel Safety: Key Challenges, Experiences and New Technologies 08:30 – 10:15	Safety Culture: Safety in Transition (Part 1) 08:30 – 10:30	Technical Visit 3 #semmering base tunnel on going construction site visit Southern Railway Museum and Semmering Railway World Heritage Site Mürzzuschlag
	Coffee Break Exhibition 10:15 – 10:45	Coffee Break Exhibition 10:15 – 10:45	Science World Café "Safety Culture" & Coffee Break 10:30 – 11:30		
	Safety on Track: The transformation of CCS (Control Command and Signalling) 10:45 – 13:00	New Technologies & Methodologies Increasing Resilience & Safety 10:45 – 13:00	Safety Culture: Safety in Transition (Part 2) 11:30 – 13:15		
Afternoon	Technical Visit 1 #servicejet New ÖBB Rescue Train 13:30 – 16:00	Lunch Break Exhibition 13:00 – 14:00	Lunch Break Exhibition 13:00 – 14:00	20years European Union Agency for Railways and Conference Closing 13:15 – 14:00	
		Rail Freight: Game Changing Technologies Increasing Safety 14:00 – 15:30	Controlling the Risk 14:00 – 15:45	Lunch Break Exhibition 14:00 – 15:00	
		Coffee Break Exhibition 15:30 – 16:00	Coffee Break Exhibition 15:45 – 16:15	Technical Visit 2 #nightjet New ÖBB Night Train ÖBB Technical Services Workshop Vienna 15:30 – 17:30	
	Level Crossing: Rail X Road – Innovations to Increase Safety 16:00 – 17:30	Safety Aspects and Challenges in Passenger Transportation 16:15 – 17:45			
Evening	Stakeholder Meetings Lassallestrasse 5 17:00 – 18:30			Core Group Meeting Start: 18:00 ÖBB Headquater Am Hauptbahnhof 2	
	Welcome Reception @ ÖBB Open Innovation Factory Vienna Lassallestrasse 5 18:30 – 22:00	Gala Dinner @ Palais Ferstel Start: 19:30 Strauchgasse 4	Get - together @ Albertina Start: 19:00 Albertinaplatz 1		



Conference Location

Aula der Wissenschaften
Wollzeile 27A
1010 Vienna

LIVING SAFETY



Session 1.1 | Opening Ceremony “Living Safety”

09.00 - 10.15

Conference Opening

Andreas Matthä, CEO ÖBB-Holding AG, AT

Opening Keynote

Leonore Gewessler, Federal Minister for Climate Action, Environment, Energy, Mobility, Innovation and Technology, AT

Executive Talk “Living Safety”

Ansgar Brockmeyer, Executive Vice President Marketing and Sale Stadler Group, CH

Francois Davenne, Director General UIC, FR

Josef Doppelbauer, Executive Director European Union Agency for Railways, FR

Gerhard Greiter, CEO Region North-East Europe Siemens Mobility, DE

Vera Hofbauer, Director General Federal Ministry for Climate Action,

Environment, Energy, Mobility, Innovation and Technology, AT

Gudrun Senk, CTO Wiener Linien GmbH & Co KG, AT (tbc)

Piotr Sieckowski, Rail Safety and Interoperability Unit in Directorate-General for Mobility and Transport in the European Commission, BE

Manuela Waldner, CFO ÖBB-Holding AG, AT

10.15 - 10.45 Coffee Break

Session 1.2 | Safety on Track: The Transformation of CCS (Control Command and Signalling)

10.45 - 13.00

Keynote “Paving the way to a successful ERTMS rollout – together!”

Enno Wiebe, Director General UNIFE, BE

Keynote

Marc Trippel, Executive Vice President Division Signalling/CEO Stadler Signalling AG, CH

Keynote “Connected Train Operation - Next Level”

Jens Nordmann, Head of Train Control at Siemens Mobility GmbH, DE

Executive Talk “The transformation of CCS”

Jens Nordmann, Head of Train Control at Siemens Mobility GmbH, DE

Mark Topal-Gökceli, CTO ÖBB-Holding AG, AT

Giorgio Travaini, Executive Director Europe’s Rail JU, BE

Marc Trippel, Executive Vice President Division Signalling/CEO Stadler Signalling AG, CH

Enno Wiebe, Director General UNIFE, BE

Sandy Zaehring, Policy Officer, European Commission, BE (tbc)

Moderator: Jens Engelmann, Managing Director railable, DE

Is Automatic and Unmanned Shinkansen Operation Possible in Terms of Safety?

Katsuyuki Sasaki, East Japan Railway Union JREU, JP

Program

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13.00 - 14.00 Lunch Break

Session 1.3 | Rail Freight: Game Changing Technologies Increasing Safety

14.00 - 15.30

Keynote "Embracing New Realities in Rail Freight"

Gilles Peterhans, Secretary General UIP – International Union of Wagon Keepers, BE

Keynote "Applying Technologies to Improve Safety and Rail Market Share"

Matt Soule, CEO Parallel Systems, US

Executive Talk "Game Changing Technologies Increasing Safety in Rail Freight"

Bart Accou, Head of Safety & Operations - European Union Agency for Railways, FR
Constanze Bannholzer, Digital Automatic Coupling (DAC) Program Manager ÖBB, AT
Stefan Kirch, CCO Nevomo, PL

Paolo Pagliero, Vice President of Transit Engineering Wabtec Corporation, IT
Gilles Peterhans, Secretary General UIP – International Union of Wagon Keepers, BE
Matt Soule, Parallel Systems, US
Enno Wiebe, Director General UNIFE, BE

Moderator: Sebastian Sperker, Head of Service Design Rail Cargo Austria AG, AT

15.30 - 16.00 Coffee Break

Session 1.4 | Level Crossings: Rail X Road – Innovations to Increase Safety

16.00 - 17.15

Keynote

Karen Philbrick, Executive Director Mineta Transportation Institute, US

Executive Talk "Level Crossings - Innovations to Increase Safety"

Peter Doggett, COO ONRSR Rail Safety Regulator, AU
Michael Luczensky, Head of Directorate / Railways - Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology, AT
Karen Philbrick, Executive Director Mineta Transportation Institute, US
Christian Sagmeister, Division Manager Railway Systems of ÖBB-Infrastruktur AG, AT
Robert Wainwright, Head of Level Crossings and Public Safety, Network Rail, UK

Moderator: Ann Mills, Deputy Director System Safety & Health, RSSB, UK

Intelligent Safety for Light Rail Operations

H.W. Chan, MTR Corporation, CN

Session 1.5 | Developing Highspeed Rail-Infrastructure

17.15 - 17.30

Keynote "The Role of Railway Safety in High Quality Railway Development"

Dongbin Fei, Head of Mainland Rail Regulator China EMSD, CN

LIVING SAFETY



Session 2.1 | Tunnel Safety: Key Challenges, Experiences and New Technologies

08.30 - 10.15

Keynote “ÖBB Tunnel-Projects and Respective Safety Aspects”

Judith Engel, Member of the Management Board of ÖBB-Infrastruktur AG, AT

Keynote “Enhancing Railway Tunnel Safety - A Journey Through Innovation and Experience, Lessons from Eurotunnel and Beyond”

Ali Chegini, Director Eurotunnel, UK

Executive Talk “Safety in Railway Tunnels”

Ali Chegini, Director Eurotunnel, UK

Judith Engel, Member of the Management Board of ÖBB-Infrastruktur AG, AT

Tshepo Kgobe, CEO Gautrain, ZA

Moderator: Dietmar Zierl, BOKU University Vienna, Institut of Transport Studies, AT

Keynote “The New Stadler Rescue-Train”

Stefan Bernsdorf, Senior Project Manager, Stadler Bussnang AG, CH

Best Practices Benchmarking on Tunnel Safety in Europe

Henri Dupuis, Responsible Of International Affairs at EPSF (Etablissement public de sécurité ferroviaire), FR

Innovative Safety Systems for Austria’s super-long Railway Tunnels

Florian Diernhofer, Team Leader/Project Manager ILF Consulting Engineers, AT

The Pathway Towards Sustainable Railway – Catastrophic Flooding Preparedness

H.S. Kwok, Senior Engineer Railways EMSD, CN

10.15 - 10.45 Coffee Break

Session 2.2 | New Technologies & Methodologies Increasing Resilience & Safety

10.45 - 13.00

Keynote “RISE: Safeguarding Structural Health for Steel Bridges”

Christoph Schwald, Executive Vice President Research, Development & Innovation, TÜV Austria, AT

Franz Forstlechner, Bridges Specialist of ÖBB-Infrastruktur AG, AT

Keynote “Interlocking in the Cloud: Efficient, Redundant, Safe”

Sonja Steffens, Project Head Safety Platform of Siemens Mobility GmbH, DE

Common Safety Indicators: Lessons Learned after 20 Years. How does they Assess Safety Performance?

Stephen Queva, National and International lesson learning adviser EPSF, FR

Improve Occupational Safety in Shunting with Innovations, Rethink Established Methods

Karin Hesse, Safety & security director freight train Green Cargo, SW

Going Beyond Human Error in Incident Investigations to Create Real World Solutions for Railway Construction

Charlotte Kaul, Senior Human Factors Consultant Systra, UK

Enhancing High-Speed Train Operations with the Random Forest Algorithm for Predictive Control Methodology

Susu Huang, Research associate China Academy of Railway Sciences Co. Ltd, CN

Identify and Manage your Safety Critical Components for Improving the Safety in Railways

Nathalie Duquenne, Engineer European Union Agency for Railways, FR

Case Study - Factors Affecting Decision-making for Track Safety Management

Deepak Budhram, Head of Research and Technical Skills Development of Railway Safety Regulator, ZA

Exploring the Effectiveness of Driver Attention and Alertness Monitoring Technology for GB Railway

Paul Leach, Head of Human Factors RSSB, UK

13.00 - 14.00 Lunch Break

Session 2.3 | Controlling the Risk

14.00 - 15.45

Keynote

Evelyne Binsack, Mountain Guide, Writer, Speaker, CH

Keynote "Train-meets-Plane"

Peter Woditschka, Pilot Austrian Airlines, AT

Executive Talk "Controlling the Risk – Reaching to the Stars... Without Falling Down"

Evelyne Binsack, Mountain Guide, Writer, Speaker, CH

Bettina Castillo, Member of the Management Board of Rail Cargo Austria AG, AT

Natalie Loughborough, Executive Director - Rail/Public Transport at NTRO, AU

Esther Mateo, General Director of Security, Processes and Corporate Systems ADIF, ES

Johann Pluy, Member of the Management Board of ÖBB-Infrastruktur AG, AT

Christian Thygesen, Global Head of Business Resilience Centre of Excellence MAERSK, (tbc)

Peter Woditschka, Pilot Austrian Airlines, AT

Representative voestalpine Railway Systems GmbH, AT

Moderator: Mark Topal-Gökceli, CTO ÖBB-Holding AG, AT

15.45 - 16.15 Coffee Break

Session 2.4 | Safety Aspects and Challenges in Passenger Transportation

16.15 - 17.45

Keynote

Gudrun Senk, CTO Wiener Linien GmbH & Co KG, AT

Keynote

Tshepo Kgobe, CEO Gautrain, ZA

AI Analytics in Escalator Safety Incident Management

Zoe Tse, General Manager - Operations Safety & Quality MTR Corporation, CN

UIC Projects on Hydrogen; a General Approach to the Risk Analysis

Francisco Cabrera, Deputy Head of Operations and Safety UIC, FR

Authorization Experience in Hydrogen Trains on the Spanish Railway Network

Ines Vadillo, Head of Sustainability R&D&I Projects, ADIF, ES

Autonomous Detection and Alert with Cutting-edge Computer Vision Enhancing Platform Safety

Wai Pan Tam, Senior Technology Development Manager – Operations Systems, MTR Corporation, CN

Session 3.1 | Safety Culture: Safety in Transition (Part 1)

08.30 - 10.30

Keynote

Karen Philbrick, Executive Director Mineta Transportation Institute San Jose State University, US

Keynote

Claus Bahlmann, Head of R&D Mobility Division, Technology & Innovation Siemens Mobility GmbH, DE

Keynote "How can an Authority Contribute to Foster Safety Capabilities? About the ERA Training Catalogue and Qualification Schemes"

Gregory Rolina, Program Manager European Union Agency for Railways, FR

Keynote

Thom Koning, Expert Investigating Safety Culture, NL

Keynote "Psychological Anticipation as a Powerful Tool to Prevent Accidents"

Thomas Müller, Criminal Psychologist Profiler, AT

Executive Talk "Safety Culture: Safety in Transition"

Claus Bahlmann, Head of R&D Mobility Division, Technology & Innovation Siemens Mobility GmbH, DE

Klaus Garstenauer, Member of the Management Board of ÖBB-Personenverkehr AG, AT

Thom Koning, Expert Investigating Safety Culture, NL

Thomas Müller, Criminal Psychologist Profiler, AT

Karen Philbrick, Executive Director Mineta Transportation Institute San Jose State University, US

Gregory Rolina, Program Manager European Union Agency for Railways, FR

Moderator: Michaela Schwarz, ÖBB-Produktion GmbH, AT

10.30 - 11.30 **Science World Café "Safety Culture"** (Tour#1) & Coffee Break

Session 3.2 | Safety Culture: Safety in Transition (Part 2)

11.30 - 13.15

Safety Culture @ JREU

Makoto Kato, East Japan Railway Union JREU, JP

Development of Technology for Preventing Human Error Accidents in Railway Operations

C.W. Park, Korea Railroad Research Institute, KR

What's not Written

Maria Hedqvist, Manager Safety Competences Trafikverket, SE

Safety Leadership Empowerment

Juan Luis Fuentes de Blas, Director of Cabinet ADIF, ES

Safety Culture Peer Review: a New Tool to Measure Safety Culture Progress in Rail Sector

Virginie Papillault, Manager of Human & Organisational Factors - Safety Culture UIC, FR

Cooperation between SNCF and UIC for the Use of Machine Learning Tool on Safety Databases

Guillaume Foeillet, Group Safety Project Manager SNCF, FR

Evaluating Safety Culture of European Railways

Krzysztof Zubilewicz, Project Officer ERA, FR

Program

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Session 3.3 | 20years European Union Agency for Railways and Conference Closing

13.15 - 14.00

20years European Union Agency

Josef Doppelbauer, Executive Director European Union Agency for Railways, FR
Bart Accou, Head of Safety & Operations - European Union Agency for Railways, FR

Closing of the IRSC2024

incl. Presentation IRSC2025

14.00 - 15.00 **Walking Lunch & Science World Café "Safety Culture"** (Tour #2)

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E-Papers @ Science World Café “Safety Culture”

Ian Leung	CN	Hauling Rope Condition Monitoring System for Peak Tramway System	EMSD	Senior Engineer Railways
C. F. Chan	CN	AI Interacted Automated Testing of Railway Signalling System	EMSD	Senior Engineer Railways
Ernest Y. F. Li	CN	Real-time Monitoring and Data Analytics System for Overhead Line Wire Tensioning with Balance Weight Assemblies in Railways	EMSD	Senior Engineer Railways
Yang Zhao	CN	The Application of Safety Integration Technology in the Intelligent High-speed Railway Train Control System	Signal & Communication Research Institute China Academy of Railway Sciences Corporation Limited	
Yeow Chin Shin	SG	Viaduct Bearing Inspection using Drone, Photogrammetry, and AI	Land Transport Authority	Director, Asset Management Steward
Yanhao Sun	CN	Research on Human Error in High-Speed Railway Train Dispatchers Based on Interval Type-2 Fuzzy Sets and Weighted CREAM Method	China Academy of Railway Sciences Co. Ltd/ Signal and Communication Research Institute	
Parveen Kumar Pathak	IN	Culture/Safety Performance/Safety Transition	DMRC	General Manager / Safety (Operation & Maintenance)
Peaceman Sopazi	ZA	Training of nominated managers...	Railway Safety Regulator	Head: Technology, Standards, & Training
Nathalie Duquenne	FR	A newsletter to provide valuable insights into European railway accident trends, lessons learned, and safety practices.	EMSD	Project Officer
Francisco Garcia Franco	ES	Integration safety culture and human and organisational factors, in the company, since before beginning the operation	ILSA intermodalidad de Levante	Director Safety & Quality
Zoe Tse	CN	Just Culture Implementation and Psychological Safety	MTR Corporation	General Manager - Operations Safety & Quality
Juan Luis Fuentes de Blas	ES	A Just Culture Policy in ADIF	ADIF	Director de Gabinete
David Gómez-Rey Romero	ES	Safety Notification System in Adif: “Better all together”	ADIF	Maintenance Coordinator Technical Staff
Tayakorn Chandransu	TH	The study of Thailand’s rail vehicle regulatory safety standards and electronic applications for rail vehicle approval and registration	DRT	Director of Safety and Maintenance Standards Division
Francisco Garcia Franco	ES	Integration safety culture and human and organisational factors, in the company, since before beginning the operation	ILSA intermodalidad de Levante	Director Safety & Quality