Talent Expertise & HR Development Seminar

How will Artificial Intelligence impact jobs in the railway operations?

PROGRAMME

Presentations of practical cases studies and expert panel discussion with UIC members, partners and rail stakeholders

6 December 2023
from 9:00 to 16:30
PARIS - UIC HQ

Context

This seminar is dedicated to exploring the practical implications of AI in railway operations through the lens of job impact. As the railway industry embraces the transformative power of artificial intelligence, it's not just the technology that's changing; it's the very nature of work, talent management, and training that's undergoing a profound shift.

Throughout this event, we'll explore how AI is reshaping railway operations and, more importantly, how it's impacting the workforce. Practical case studies will be presented to illustrate AI applications and how it influences skills development and training strategies.

AI is reshaping not only the railway landscape but also the way we manage talent, develop skills, and deliver training programs in this ever-evolving industry.

Experts made up of UIC members, partners and various stakeholders will bring their expertise to the discussions throughout the day. Together, we will gain a deeper understanding of how AI is revolutionizing the railway sector, its effects on the workforce, and the strategies needed to successfully lead this transformation.

Join us for a day of knowledge-sharing, dialogue, and exploration to shape the future of railway operations in the age of Artificial Intelligence.

uic

INTERNATIONAL UNION
OF RAILWAYS

8:30	**Welcoming & Registration**
9:00	**Opening**

9:10 Session 1: AI in Railway Transportation

AI in rail: adoption and trends
Raphaëlle Chapuis, Senior Engagement Manager (Mc Kinsey)
Leo Melnikov, Partner & Core Member of Digital & Analytics (Mc Kinsey)
AI for Railways: opportunities and challenges
Guillaume Gach, Senior Project Manager, Telecom & Signalling Unit (UIC)
Q&A session

10:00 Session 2: AI for talent management and skill development (Part I)

Impact of AI on jobs in the rail and adjacent industries
Raphaëlle Chapuis, Senior Engagement Manager (Mc Kinsey)
Leo Melnikov, Partner & Core Member of Digital & Analytics (Mc Kinsey)
Generative AI: The Unexpected Force Transforming 2024's HR
Ricardo Parreira, CEO (PHC Software)
Q&A session

10:50	**Coffee break**

11:20 Session 3: AI for talent management and skill development (Part II)

MIND4CHANGE: Prepare railway staff for cultural changes linked to digital and technical innovation
Virginie Papillault, Head of Safety Culture and Organisational Factors (UIC)
Tjaša Govedič, Professional Associate (Slovenian Railway Training Centre)
Using AI to manage talent and careers - How AI helps SNCF to face its challenges
Barbara Grau, Head of European and International HR Affairs (SNCF)
Training SNCF's employees to use AI and facilitate their day-to-day professional life
Romain Letailleur, Head of Digital Learning and Educational Innovation (SNCF)
Q&A session

12:30	**Lunch break**

13:30 Session 4: Use cases: AI opportunities and Challenges (Part I)

Translate4Rail: digital tools for helping train drivers' communication
Parinaz Bazeghi, Digital Projects Manager, Freight Department (UIC)
AI-driven Biodiversity Monitoring
Prof. Richard Pywell, Head of Biodiversity Science (UK Centre for Ecology & Hydrology)
Lorenzo Franzoni, Junior Sustainability Advisor (UIC)
Using machine learning with verification: New paradigm for safety, with job implications
Denis Sabatier, Consultant (Clearsy)
Q&A session

14:40 Session 5: Use cases: AI opportunities and Challenges (Part II)

Railway safety and AI: a national safety authority perspective
Julien Boucault, Head of Opening up to Competition and Innovation (EPSF – Établissement public de sécurité ferroviaire)
How AI can support Rail Security?
Marie-Hélène Bonneau, Head of Security Division (UIC)
Laura Petersen, Senior Security Research Advisor, Security Division (UIC)
AI in the back-office at SNCF Voyageurs: improving maintenance & operations
Philippe De Laharpe, R&D Project Leader, Artificial Intelligence & Remote Diagnostics (SNCF)
Q&A session

15:30	**Coffee break**

16:00 Session 6: Expert Panel Discussion

A debate with industry experts, trainers, and HR professionals on the opportunities and challenges associated with AI in the railway sector.

16:30	**Closing**