Talent Expertise & HR Development Seminar

How will Artificial Intelligence impact jobs in the railway operations?

PROGRAMME

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.

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
### Welcoming & Registration

### Opening

### 9:10 Session 1: AI in Railway Transportation

**AI in rail: adoption and trends**  
*Raphaëlle Chapuis*, Senior Engagement Manager (McKinsey)  
*Leo Melnikov*, Partner & Core Member of Digital & Analytics (McKinsey)

**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 (McKinsey)  
*Leo Melnikov*, Partner & Core Member of Digital & Analytics (McKinsey)

**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