



INTERNATIONAL UNION  
OF RAILWAYS

*unity, solidarity, universality*

Paris, 04 September 2024

### **CALL FOR CANDIDATE FOR SENIOR ADVISOR OF PANEL OF STRUCTURAL EXPERTS**

The International Union of Railways (UIC) is looking for a Senior Advisor in Railway system department in Paris to oversee its Panel of Structural Experts (PoSE) Working Group. The UIC is a world-wide organization for international cooperation among railways and promotion of rail transport.

The PoSE deals with issues relating to civil engineering structures (viaducts/ bridges, tunnels and earthworks), design and maintenance strategies/processes and aerodynamic effects on these assets. International standards, policies and procedures are key for the adequate management and understanding of the Working Group.

PoSE and Track Experts Group (TEG) make up the UIC Infrastructure Subsystem. Therefore, there is a close connection between both, especially in bridge-track interaction topics. And of course, the Infrastructure Subsystem is very related to the UIC Asset Management Unit, as the latter deals with assets decision-making, assets data, costs and indicators. Other quite related areas are the Train-Track Interaction Subsystem (acoustics, vehicle dynamics, aerodynamics, clearance gauge or pantograph-catenary) and the Sustainability Unit (noise and vibrations, circular economy or greenhouse emissions).

As mentioned before, the PoSE projects are usually linked to other areas, so a general knowledge of track or interaction between infrastructure and rolling stock will be a very appreciated plus for the candidate.

### **JOB DESCRIPTION**

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Position: Railway engineering

Job Title: Senior Advisor PoSE

Seniority: at least 7 years of work experience in the infrastructure area

Position in the organizational chart: Railway System Department (RSD)

## MAIN DUTIES

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### **Main duties:**

- Supporting the Infrastructure Subsystem (IS) Sector Head.
- Coordinating the PoSE Working Group and its projects and activities.

### **Activities:**

- Coordination of the PoSE Plenary meetings.
- Support the experts of the PoSE Working Group and coordinate with the PoSE Chair.
- Coordination of projects under the Panel of Structural Experts (for example Mitig4Derail, Bridge Fatigue, CO2Free2, Bridge the Gap) and provide the necessary technical and managerial support for their achievement.
- Fulfillment of the UIC migration plan associated with PoSE: prioritisation of revision of UIC Leaflets and International Railway Solutions (IRSs), organization and coordination of dedicated Working Groups of experts, and achievement of the publication of the documents.
- Maintain and overview of progress of the activities in the PoSE. Responsible for budget.
- Participation in the Rail System Forum Plenary meetings.
- Establishment of collaborative work with the Track Experts Group (TEG) within the Infrastructure Subsystem Sector, the other Railway System Forum sectors and other UIC departments.
- Assistance in the UIC activities through the regional structures.
- Support the UIC activities in the EU-Funded Collaborative R&D Projects and contribute to the development of proposals for calls of EU-projects.
- Contribute to the improvement of the RSD 2025-2027 work programme, namely, preparation of new project proposals defining priorities and strategies, objectives, organisation, planning of schedules, tasks and deliverables, elaboration, follow-up of migration plan from UIC Leaflets to IRSs, revision of IRSs, etc.
- Representation of the UIC and the strategies and points of view of UIC and the PoSE.
- Contributes to the strategy of digitalization of the Infrastructure Subsystem Sector and reinforce the predictive maintenance lines of work.

**Technical areas of activities:** design and maintenance of bridges, earthworks and tunnels. Related international standards, policies and procedures.

As the PoSE projects are usually linked to other areas, general knowledge of track or interaction between infrastructure and rolling stock (noise emissions, vehicle dynamics, aerodynamics, clearance gauge or pantograph-catenary) will be a very appreciated plus.

### **Job specificities:**

- High level of autonomy and responsibility
- High level of communication skills



- Frequent travels
- Work in direct connection with the head of the Infrastructure Unit and the PoSE Chair
- Work cross-departmental with related departments

## **SKILLS REQUIRED FOR THE POSITION**

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### **Professional knowledge and qualities required:**

- University studies in Civil or Industrial Engineering or School, preferably a master's degree
- Thorough knowledge of the Railway Sector
- Professional experience acquired in positions related to the profile of the job (Infrastructure), particularly in project management
- Good knowledge and experience in managing EU projects and elaborating proposals for different calls
- High degree of organizational skills
- Motivated, dynamic personality with strong aptitude for teamwork and consensus
- Previous experience within an international and multicultural environment is a plus

### **Languages:**

- Fluent in English (spoken and written)

## **CONTACTS AND DEADLINE**

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Please send CV and motivation letter to:

- Laurence Simon (Laurence.simon@uic.org), Director of Human Resources
- Christian Chavanel (chavanel@uic.org), Director of Rail System Department
- Rosa Casquero (casquero@uic.org), Head of Infrastructure, Asset Management and Train-Track Interactions

**Before 15 October 2024**