



RAILS MID-TERM WORKSHOP

25 FEBRUARY 2022

Chair: Zhiyuan Lin (Univ. Leeds)

All times are CET

10.00 - 10.15	Opening and Welcome to attendees	Ronghui Liu (Univ. Leeds), Gorazd Marinic Shift2Rail IPX Programme Manager (EU-RAIL)
10.15 - 10.30	RAILS: A Mid-Term bird eye view	Valeria Vittorini RAILS Project Coordinator (CINI and Univ. Napoli Federico II)
10.30 - 10.50	AI in railways - analysis phase: main outcomes and their relevance for the next steps	Rob Goverde (TU Delft)
	Session 1: Smart maintenance	
10.50 - 11.10	Preliminary results and next steps	Lorenzo De Donato (Univ. Napoli Federico II)
11.10 - 11.30	New steps forward in railways smart maintenance	Carlo Croveto (Hitachi Rail STS) IN2SMART2 project Coordinator, Marco Borinato (Hitachi Rail STS)
11.30 - 11.40	Break	
	Session 2: Trustworthy AI and autonomous trains	
11.40 - 12.00	Preliminary results and next steps	Francesco Flammini (Linnaeus Univ.)
12.00 - 12.20	AI: trustworthiness, safety and validation issues	Guo Zhou (Scania Group)
	Session 3: The need for standardization	
12.20 - 12.40	Ongoing standardization activities in the area of AI and Digital Twin	Denis Miglianico (Alstom Transport) CENELEC TC9X Secretary and IEC TC9 Secretary
12.40 - 13.00	The need for Standard XAI	Autilia Vitiello (Univ. Napoli Federico II) Chair of the IEEE P2976 - XAI Explainable AI Working Group
13.00 - 14.30	Lunch	
	Session 4: Traffic & passenger management	
14.30 - 14.50	Preliminary results and next steps	Ruifan Tang (Univ. Leeds)
14.50 - 15.10	Machine Learning for Crowd Behaviour Understanding in Public Spaces	He Wang (Univ. Leeds)
15.10 - 16.15	Panel – discussion about the challenges for a fast take-up of AI in railways	Moderators: Zhiyuan Lin (Univ. Leeds), and Francesco Flammini (Linnaeus Univ.)
16.15 - 16.20	Closing remarks and wrap-up	Valeria Vittorini (CINI and Univ. Napoli Federico II)

The RAILS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 881782.

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