



STAFFER

EUROPEAN RAIL SKILLS ALLIANCE

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Summer school on

The **EU**ropean railway system

Period

10 – 19 July 2024

Location

Sapienza University of Rome, Faculty of Civil and Industrial Engineering
Via Eudossiana 18, Roma (Italy)

Topics

EU regulatory framework, interoperability, signalling systems, ERTMS/ETCS, sustainable powertrains, green mobility, safety management, risk assessment

Lecturers from

European Union Agency for Railways (ERA), Sapienza University of Rome (Italy), Conservatoire national des arts et métiers (France), University of Applied Science Erfurt (Germany)

Technical visits to

Traffic control rooms, maintenance workshops, CCS laboratory, construction site, national railway museum in Pietrarsa (Napoli) including Roma-Napoli transfer by high-speed train with visit in the driver's cabin

Admission requirements

Participation in the summer school is free of charge for Bachelor's, Master's and PhD students who have obtained at least 6 ECTS in modules related to railway engineering

Registration

Apply by 31 May 2024 by filling in the registration form at this link:

<https://forms.gle/U1SWsGSpNqhgFCLHA>

A maximum of 30 candidates will be admitted



Project partners



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Summer School on “The European Railway System” at Sapienza University of Rome

PRELIMINARY SCHEDULE

Day	Time	Activities
Wednesday 10/07/2024	15-16	Welcome event <ul style="list-style-type: none"> Introductory speeches by: <ul style="list-style-type: none"> Angela Di Febbraro (<i>University of Genoa and STAFFER Coordinator</i>) Stefano Ricci (<i>Sapienza University of Rome</i>) Italian STAFFER partner companies: <i>Ferrovie dello Stato Italiane (Vito Pagliarisi), Alstom, Hitachi Rail</i> Reciprocal presentations by students and teachers
	16-18	“A sustainable, safe European transport system without frontiers” – Anna Gigantino (<i>ERA - European Agency for Railways</i>)
	20-22	Social dinner
Thursday 11/07/2024	9-13	“Regulatory framework and Interoperability of the European railway system” – Anna Gigantino (<i>ERA - European Agency for Railways</i>)
	15-18	Guided visit of RFI traffic control centre at Roma Termini station
Friday 12/07/2024	8-20	<ul style="list-style-type: none"> Roma-Napoli transfer by high-speed train with technical visit in the driver's cabin Seminar on historical, cultural and touristic activities of Fondazione FS with a focus on the adaptation of historic rolling stock to modern control command and signalling systems Guided visit of the historical-technical national railway museum in Pietrarsa Transfer Napoli-Roma transfer by high-speed train with technical visit in the driver's cabin
Saturday 13/07/2024	17-20	Guided visit of ATAC transport history museum at Piramide metro station
Sunday 14/07/2024	-	Free time
Monday 15/07/2024	9-13	“Historical evolution of railway signalling system in Italy towards ERTMS/ETCS” – Riccardo Licciardello (<i>Sapienza University of Rome</i>)
	15-18	Visit to Alstom “command, control and signalling systems” laboratory in Rome
Tuesday 16/07/2024	9-13	“Safety management and risk assessment in European railways” – Marco Antognoli, Luca Rizzetto (<i>Sapienza University of Rome</i>)
	15-18	Guided visit of Trenitalia and RFI operation control rooms
Wednesday 17/07/2024	9-11	“Sustainable Powertrains and Green Mobility in Rail Transport” – Khaled Itani (<i>Le Cnam</i>)
	11-13	Seminar to be defined - Michael Lehmann (<i>University of Applied Science Erfurt</i>)
	15-18	Guided technical visit of control centre and depot of the fully automated metro line C
Thursday 18/07/2024	10-13	Guided visit of Trenitalia maintenance facility at Roma Smistamento
	14-16	Regional train dynamic driving simulator at Roma Smistamento
Friday 19/07/2024	9-12.30	Presentation of the metro line C project and guided visit of metro line C construction site at Fori Imperiali station
	14-16	Interactive session with individual impressions of students