



Safety of Underground Transport Infrastructure – 2026 (3rd edition)

Focus on New Energy Carriers

 *Politecnico di Torino + Online*

 *6–17 July 2026*

 *For Master's Students in Engineering*

 *Language: English | Format: Hybrid*

Why Join?

As transport systems transition to **electric, hydrogen, and renewable fuels**, ensuring safety in tunnels and underground infrastructure becomes critical.

This summer school equips you with the **skills to tackle real-world engineering challenges** in sustainable mobility and infrastructure safety.

What You'll Learn

- Safety risks of **electric, hydrogen, and alternative fuel vehicles**
 - Design & operation of **underground transport systems**
 - Interaction between **vehicles, energy carriers & infrastructure**
 - European **regulations and safety frameworks**
 - Hands-on **engineering problem solving in teams**
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Programme Highlights

Week 1 (Online | 6–10 July)

- Fundamentals of underground infrastructure
- Alternative propulsion systems
- Case studies (rail & road tunnels)
- Group project launch

Week 2 (Onsite in Turin | 13–17 July)

- Campus & lab activities at Politecnico di Torino
- Technical site visits





- Team project development
 - Final presentations & peer review
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International Collaboration

Organised with:

- Politecnico di Torino (POLITO)
 - Graz University of Technology (TUG)
 - TU Darmstadt (TUD)
 - Wrocław University of Science and Technology (WUST)
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Credits & Format

-  3 ECTS (extra-curricular)
 -  Online +  In-person experience
 -  Multidisciplinary teamwork
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Requirements

- Master's degree student (engineering or related field)
 - Basic knowledge of thermodynamics & mechanical systems
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Be Part of the Energy Transition

Gain cutting-edge expertise and work on **real tunnel safety challenges** in a truly international environment.

Apply Now

[\(link to the registration form\)](#)