



ROME, 30 SEPTEMBER - 2 OCTOBER 2026
INNOVATION, RELIABILITY, SUSTAINABILITY:
ALL ROADS LEAD TO **STEEL**

Dear Colleagues,

For the first time in its long history, the Congress of the College of Steel Technicians will be held in Rome, a choice that recognizes the strategic importance of metal constructions in infrastructure, construction, and plant engineering. It will be an opportunity to bring together the three souls of our College—Profession, University, and Industry—to analyze and build the metal construction of tomorrow.

Conference topics include:

- Steel and Aluminum Structures: Construction, Research, and Regulatory Codes
- Large Infrastructures, Bridges, Geotechnical Works
- Tall Buildings, Industrial Buildings, Energy Plants, Special Works
- Seismic Design, Insulation and Dissipation
- Design for Fire Resistance and Other Exceptional Actions
- Steel-Concrete and Steel-Wood Structures
- Advanced Structural Analysis and Use of Calculation Codes
- Material Fatigue and Welding Technology. Assembly and Bolted Joints

- Bridges and Existing Buildings: Maintenance and Monitoring
- Corrosion and Durability
- Reuse and Circularity of Materials and Structures
- Innovative Production Technologies (3D Printing) and Digitalization

Specific collaborative activities are also planned with the National Association of Wind Engineering, the Commission for the Safety of Steel Constructions in the Event of Fire, and the recently established ARTISTE – Artificial Intelligence in Structural Engineering.

A special session will also be dedicated to the construction of the Marangara Suspension Bridge in Rwanda, co-financed by the CTA in collaboration with Bridges to Prosperity.

On behalf of the Council and the Organizing Committee, we are pleased to welcome you.



Riccardo Zanon
Presidente CTA 2025/2026re

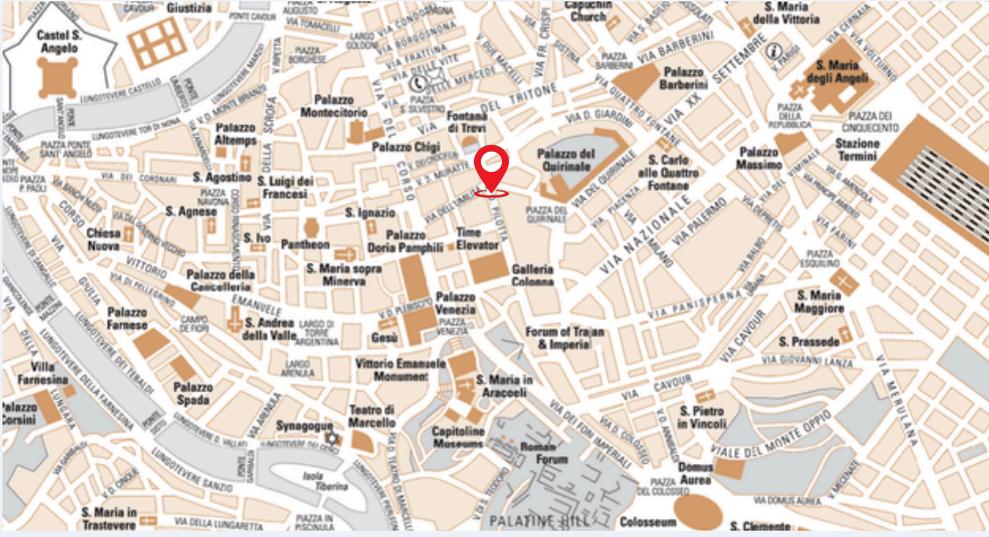


Fabrizio Paolacci
Presidente Comitato Organizzatore

All informations available on: ctanet.it

30 CONGRESSO CTA

The conference will be held at the Fontana di Trevi Conference Center, in the heart of the capital.



Welcome party: terrazza Maio Rinascente



Gala dinner: Palazzo Brancaccio



30.09.2026

Workshop & professional course

14:00: Registration

14:30: Workshop & professional course

A) Artificial Intelligence and steelwork structural design... Let's get started! (EN)

B) Fire Resistance of Steel Structures (ITA)

18:30: Welcome cocktail and Exhibition Tour

01.10.2026

XXX Congress CTA – Day 1

8:30: Registration

9:00: Plenary Session

- Welcome Address
- Invited Speaker
- General Report on Projects - Ing. Giovanni Costa (Steel Project Engineering)

11:30: Parallel sessions 1

14:00: Plenary Session

- General Report on Research - Prof. Rosario Montuori (UNISA)
- The Bridge to Schools in Marangara, Rwanda (CTA and Bridges to Prosperity Volunteers - Moderators: Prof. Maio de Miranda, Eng. Nicola Turrini)
- Sponsor Presentations

16:30: Parallel sessions 2

19:00: Welcome party

02.10.2026

XXX Congress CTA – Day 2

9:00: Parallel sessions 3

11:30: Plenary Session

- Invited Lecture: Innovative Design of Major Projects - Ing. Massimo Maffei (Maffei Engineering)
- Invited Lecture: Industrial Plants: Design and Safety - Prof. Fabrizio Paolacci (UniRomaTre)
- Sponsor Presentations

14:00: Parallel sessions 4

16:30: Parallel sessions 5

20:00: Gala dinner



30.09.2026 Workshop (EN)
Artificial intelligence and steelwork structural design...Let's get started!

30.09.2026 Professional Course
Fire Resistance of Steel Structures (ITA)

Welcome and Introduction
Domenico ASPRONE –
Università di Napoli



Fire Prevention Code, fire resistance design and verification process
Andrea MARINO – Corpo Nazionale dei Vigili del Fuoco

Artificial Intelligence : Principles and fundamentals
Giuseppe Carlo MARANO –
Politecnico di Torino



How to translate a project in an optimization problem
Raffaele CUCUZZA –
Politecnico di Torino



Calculation methods for the design of steel structures and the Handbook of design solutions
Emidio NIGRO– Università di Napoli



Large Language Models (LLM) in structural design
Amedeo MANUELLO–
Politecnico di Torino



Advanced computational methods and numerical analysis
Nicola TONDINI – Università di Trento



AI in the design of Steel high-rise buildings
Mark SARKISIAN – SOM



Design applications, case studies
Amedeo MANUELLO– SIS



AI-informed for the design of gridshell structures
Daniel BICHARA –
Northpark





30 CONGRESSO CTA

PARTICIPATION FEES

Young*: 300€

CTA Members: 400 €

Other participants: 500 €

Gala dinner: 125 €

* Born after 1.1.1996, or after 1.1.1991 if CTA Members

WITH THE CONTRIBUTION OF



UNDER THE PATRONAGE OF



WITH THE PARTICIPATION OF

SCIENTIFIC PARTNER

MEDIA PARTNER

