

PROGRAM

9 JULY, 17:00 – 19:00

17:00 Opening, Vegezzi Pavillion

10 JULY, 9:30 - 17:30

9:30 Keynote 1, Vegezzi Pavillion

- Portraying the strains: a new Machine
Learning approach for painting nonlinear
strain fields on brittle composite structures
Prof. B. Ghiassi, University of Birmingham, UK

10:30 Coffee Break

11:00 Parallel Sessions

12:30 Lunch

14:00 Parallel Sessions

15:30 Coffee Break

16:00 Parallel Sessions

11 JULY, 9:30 - 17:30

9:30 Keynote 2, Vegezzi Pavillion

- High-order multifield formulations for shell
structures made of advanced anisotropic
materials
Prof. F. Tornabene, University of Salento, ITA

10:30 Coffee Break

11:00 Parallel Sessions

12:30 Lunch

14:00 Parallel Sessions

15:30 Coffee Break

16:00 Parallel Sessions

12 JULY, 9:30 - 13:30

9:30 Keynote 3, Vegezzi Pavillion

- Beams and plates strengthened with FRP
Prof. R. Capozucca, UPolitecnica delle Marche, ITA

10:30 Coffee Break

11:00 Parallel Sessions

12:30 Closure, Vegezzi Pavillion

POLITECNICO DI MILANO



CONFERENCE CHAIRS

Prof. Gabriele Milani

Politecnico di Milano,
Department of Architecture,
Built Environment and Construction
Engineering (ABC), Italy

Dr. Erica Magagnini

Università Politecnica delle Marche,
Department of Construction,
Civil Engineering and Architecture
(DICEA), Italy

DATE

9-12 July 2025

BUILDINGS:

Main: Vegezzi Pavilion

In addition:

Negrottil Pavilion, Negrotti2 Pavilion,
Guidotti Pavilion
Piacenza Regional Campus Arata
of Politecnico di Milano
Via Scalabrini, 113 – 29121, Piacenza, Italy

REGISTRATION AND FEE

Student* fee: 500,00 €

Non-student fee: 700,00 €

LINK ISCRIZIONI

[https://www.polimi.it/en/corsi/
master-universitari-e-corsi-post-
laurea/translate-to-english-
dettaglio-master/465](https://www.polimi.it/en/corsi/master-universitari-e-corsi-post-laurea/translate-to-english-dettaglio-master/465)

POLO TERRITORIALE DI PIACENZA

Via Scalabrini 76 e 113,
29121 Piacenza

INFO

icsces-piacenza@polimi.it

INFO ISCRIZIONI amministrazione-
piacenza@polimi.it

*all students (bachelor's, master's, and PhD Students)
from any university, including non-Italian

International Conference of Steel and Composite for Engineering Structures

4TH ICSCS



POLITECNICO
MILANO 1863

DIPARTIMENTO DI ARCHITETTURA
INGEGNERIA DELLE COSTRUZIONI
E AMBIENTE COSTRUITO

AIMS AND OBJECTIVES

The **4th International Conference of Steel and Composite for Engineering Structures (4th ICSCS)** is an international event that will be held in Piacenza's Regional Campus Arata of Polimi 9-12 July 2025, and is dedicated to bringing together a significant number of international researchers and companies for presentations related to **steel and composites, modelling and simulation, structural health monitoring** within the conference program.

With its high quality, it provides an exceptional value for students, academics, and industry researchers. This value can provide strong cooperation between academics and industry.

Leading academic scientists, researchers, and research scholars are invited to the **4th International Conference of Steel and Composite for Engineering Structures (4th ICSCS)** to exchange experiences and research findings. Additionally, it offers a top-notch multidisciplinary forum where scholars, professionals, and educators can showcase and converse about the latest advancements, issues, and trends in the fields of steel and composites, modelling and simulation, structural health monitoring for engineering structures.

HISTORY OF ICSCS

After the first edition of this conference in 2021 in Ancona Italy, the conference has been held 2 other times, these include:

- **2021: 1st ICSCS Ancona, Italy**
- **2022: 2nd ICSCS Ancona, Italy**
Conference Proceedings of ICSCS 2022 are published in the "Volume 317 of Lecture Notes of Civil Engineering"
- **2023: 3rd ICSCS Lecce, Italy**
Conference Proceedings of ICSCS 2023 are published in the "Volume 486 of Lecture Notes of Civil Engineering"

PAPER SUBMISSION

The papers submitted to the 4th International Conference of Steel and Composite for Engineering Structures (4th ICSCS) will be subjected to a technical peer-review process and, upon acceptance, will be published in the Book Series "**Lecture Notes in Civil Engineering**".
All accepted papers will be indexed in Scopus.

ABSTRACT SUBMISSION:

The abstract submission deadline is 28th of February 2025.

PAPER SUBMISSION:

The abstract submission deadline is 28th of February 2025. Please note at least one author should have been registered so that the paper will be considered for publication.

It should be noted that there is no upper bound limit for the number of pages of the full papers, but there is a lower bound limit: the papers can not be shorter than 6 pages (note a Springer page is approximately 480 words including equivalent figures/tables).

CONFERENCE VENUE

The conference will be held in Piacenza, at the **Piacenza Regional Campus Arata** of Politecnico di Milano, Italy. The Piacenza's Regional Campus of Politecnico di Milano (Polimi) is a vibrant academic and research hub. The venue's stunning architecture and modern infrastructure make it an ideal location for this conference.

The main venue for the event is the Manfredi Pavilion. In addition, there are several presentation pavilions, including the Negrottil Pavilion, Negrotti2 Pavilion, and Guidotti Pavilion. The city is surrounded by several international airports (Milan Linate, Milan Malpensa, Guglielmo Marconi Airport in Bologna and Caravaggio Airport in Bergamo) with a 1-2 hours driving/train distance.

COMMITTEES

CONFERENCE CHAIRS

Prof. Gabriele Milani

Politecnico di Milano, Department of Architecture, Built Environment and Construction Engineering (ABC), Italy

Dr. Erica Magagnini

Università Politecnica delle Marche, Department of Construction, Civil Engineering and Architecture (DICEA), Italy

ORGANISING COMMITTEE

Martina Buzzetti, Yuewen Gao, Dr. Kai Guo, Yiwei Hua, Dr. Luis Carlos Martins da Silva, Dr. Gaetano Pianese, Natalia Pingaro, Dr. Peixuan Wang, XingWu, Dr. Yu Yuan, Li Zhang

SCIENTIFIC COMMITTEE*

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TOPICS

- Steel and composites
- Modelling and simulation
- Structural health

*UNDER CONTINUOUS UPDATING SUBJECTED TO INVITATION ACCEPTANCE