

Conference Venue

Palazzo dei Congressi di Firenze - Villa Vittoria
Piazza Adua 1- 50123 Florence, Italy
www.firenzefiera.it/en/spaces/palazzo-dei-congressi/auditorium



Registration Fees (VAT 22% included)

| Registration | Early bird fee by April 10 th , 2023 | Late fee April 11 th - August 21 st , 2023 | Onsite |
|--------------|--|--|--------|
| REGULAR | € 800 | € 880 | € 950 |
| STUDENT | € 470 | € 520 | € 560 |

Registrations will open within December 2022 and will close on August 21st 2023.

From this date only onsite registrations will be accepted.

Registration fee includes:

Congress kit, access to the scientific sessions, admission to the exhibition and poster area, certificate of attendance, coffee breaks and working lunch as indicated in the programme, Welcome Reception on August 27, the right to deliver the oral presentation of an accepted abstract (one registration – one oral presentation).

Hotel accommodation and tours

Hotel accommodation and tours will be available in the conference website **within December 2022**.

Sponsors

ICWE16 offers to Corporate Partners unique opportunities to increase company's visibility and to generate new business possibilities. Interested to become a sponsoring partner? Please contact: icwe2023@aimgroup.eu and request the "Sponsor Prospectus".

Important Dates

New dates

Abstract submission opening: **October 15th, 2022**

Abstract submission closing: **January 22nd, 2023**

Notification of abstract acceptance: **March 5th, 2023**

Early bird registration fee (closing): **April 10th, 2023**

Contacts

ORGANISING SECRETARIAT



AIM Group International – Florence Office
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Conference Chairs

Chairman: Prof. Claudio Borri
Co-Chairman: Prof. Gianni Bartoli
chair@icwe2023.unifi.it

Scientific Secretariat / Organizing Committee:
org.committee@icwe2023.unifi.it

Conference Website

The official conference website: www.icwe2023.com will be constantly updated with all news and updated information about the conference. Stay tuned!



**August 27-31, 2023
FLORENCE - ITALY**

ICWE 16

**16th International
Conference on
Wind Engineering**

**FIRST ANNOUNCEMENT
& CALL FOR PAPERS**

www.icwe2023.com

Objectives

"Wind engineering is best defined as the rational treatment of the interactions between wind in the atmospheric boundary layer and man and his works on the surface of earth": according to the definition by J. Cermak (1975).

Every four years since the late 60s the International Association for Wind Engineering (IAWE) is convening its larger and omn-comprehensive symposium (The International Conference on Wind Engineering, ICWE) by gathering together hundreds of top experts from all over the world (professionals, academics, researchers, corporate company reps. and major stake-holders in Wind Engineering).

Besides the classical topics of wind engineering, ICWE16, will give resonance to new emerging and advanced trends and interdisciplinary issues, while hosting contributions in Mini-Symposia, Special (organised) Sessions and parallel technical sessions.

Under the auspices of the Italian Association for Wind Engineering (ANIV), of the University of Florence (through the CRIACIV research Center) and in cooperation with AIM Group Int. (Florence office), we are honored and pleased to announce **ICWE16 (27-31 August 2023)**, i.e. the largest IAWE event to be hosted for the first time in Italy in its (almost) 60-years long history.

After two years of drastically reduced scientific, professional and academic exchange due to the pandemic, we are looking forward to welcoming a large community of wind engineers to the main event of the IAWE, being also confident that the beauty of the City of Florence will help attract many friends of Wind Engineering worldwide.

Conference Topics

- | | |
|--|---|
| 01 • Aeroelastic effects | 17 • Pollutant dispersion |
| 02 • Bluff body aerodynamics | 18 • Risk and damage |
| 03 • Bridge aerodynamics | 19 • Roof and cladding |
| 04 • Cables | 20 • Stochastic analysis |
| 05 • Codes and standards | 21 • Towers and chimneys |
| 06 • Computational wind engineering | 22 • Trains and vehicles |
| 07 • Field measurements | 23 • Urban wind environment |
| 08 • High-rise buildings | 24 • Ventilation |
| 09 • Interference effects | 25 • Vibration control and optimization |
| 10 • Lattice towers and transmission lines | 26 • Wake flows |
| 11 • Low-rise buildings | 27 • Wind effects on plants and trees |
| 12 • Meteorological phenomena | 28 • Wind characteristics |
| 13 • Multiple hazards | 29 • Wind energy |
| 14 • Non-synoptic wind effects | 30 • Wind field simulation |
| 15 • Pedestrian wind comfort | 31 • Wind tunnel techniques |
| 16 • Performance-Based Wind Engineering | 32 • Any other issue |

Mini-Symposia

THUNDERR («G. Solari» Memorial session)

Massimiliano Burlando, Giuseppe Piccardo, Maria Pia Repetto

Machine Learning & Artificial Intelligence applications to wind engineering

Hui Li, Teng Wu, Shujin Laima

New frontiers in modeling nonlinear dynamics of wind-structure interactions

Walter Lacarbonara, Ahsan Kareem

Super Long Span Bridges through Multi-Box-Deck solutions (IAWE-IABSE)

Giorgio Diana, Allan Larsen

Windblown Sand Sciences and Engineering

Luca Bruno, Benli Liu, Jeroen van Beeck

2021 devastating tornadoes in USA

Grace Yan, Horia Hangan

Wind on crops and trees

Mark Sterling, Connell Miller

Wind Engineering for Modular Sustainable Energy Islands

Charalambos Baniotopoulos, Carlos Rebelo

Call for Papers

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