

## Conference Venue

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



## Registration Fees (VAT 22% included)

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

**Registrations will open within December 2022 and will close on August 21<sup>st</sup> 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](mailto:icwe2023@aimgroup.eu) and request the "Sponsor Prospectus".

## Important Dates

Abstract submission opening: **October 15<sup>th</sup>, 2022**  
Abstract submission closing: **January 22<sup>nd</sup>, 2023**  
Notification of abstract acceptance: **March 5<sup>th</sup>, 2023**  
Early bird registration fee (closing): **April 10<sup>th</sup>, 2023**

## Contacts

**ORGANISING SECRETARIAT**



AIM Group International – Florence Office  
Viale G. Mazzini 70 – 50132 Florence – Italy  
Phone: +39 055 233881  
[icwe2023@aimgroup.eu](mailto:icwe2023@aimgroup.eu)

**Conference Chairs**

*Chairman:* Prof. Claudio Borri  
*Co-Chairman:* Prof. Gianni Bartoli  
[chair@icwe2023.unifi.it](mailto:chair@icwe2023.unifi.it)

*Scientific Secretariat / Organizing Committee:*  
[org.committee@icwe2023.unifi.it](mailto:org.committee@icwe2023.unifi.it)

**Conference Website**

The official conference website: [www.icwe2023.com](http://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](http://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

Call for papers will open on **October 15<sup>th</sup>** and will close on **January 22<sup>nd</sup>, 2023**. Notification of abstract acceptance will be sent within **March 5<sup>th</sup>, 2023**.

## Committees

### Honorary Chairman:

Giuliano Augusti

### Organizing Committee:

#### Chairman:

Claudio Borri,  
*Università di Firenze*

#### Co-Chairman:

Gianni Bartoli,  
*Università di Firenze*

#### Secretariat:

Claudio Mannini & Enzo Marino,  
*Università di Firenze*

Niccolò Barni,

*Università di Firenze*

Niccolò Bruschi,

*Università di Firenze*

Luca Facchini,

*Università di Firenze*

Giulio Ferri,

*Università di Firenze*

Andrea Giachetti,

*Università di Firenze*

Massimiliano Gioffré,

*Università di Perugia*

Francesca Lupi,

*Ruhr-Universität Bochum*

Antonino M. Marra,

*Università di Firenze*

Tommaso Massai,

*Università di Firenze*

Silvia Monchetti,

*Università di Firenze*

Bernardo Nicese,

*Università di Firenze*

Francesco Petri,

*"Sapienza" Università di Roma*

Ilaria Venanzi,

*Università di Perugia*

### International Advisory Committee:

#### Co-Chairs:

Ahsan Kareem, *USA*

Giuliano Augusti, *Italy*

#### Secretary:

Shuyang Cao, *China*

Gianni Bartoli, *Italy*

Girma T. Bitsuamlak, *Canada*

Claudio Borri, *Italy*

Yaojun Ge, *China*

Hassan Hemida, *UK*

Jami Hossain, *Germany*

Mihail Iancovici, *Romania*

Mingshui Li, *China*

Franklin Lombardo, *USA*

Acir Mécio Loredou-Souza, *Brazil*

John Schroeder, *USA*

Ted Stathopoulos, *Canada*

Mark Sterling, *UK*

Yukio Tamura, *Japan/China*

Yasushi Uematsu, *Japan*

Teng Wu, *USA*

Youlin Xu, *China*

### International Scientific Committee:

#### Chairman:

Luca Bruno, *Italy*

#### Co-Chairman:

Francesco Ricciardelli, *Italy*

Giuliano Augusti, *Italy*

Chris Baker, *United Kingdom*

Marco Belloli, *Italy*

Bert Blocken, *The Netherlands*

Jasna Bogunović-Jakobsen, *Norway*

Carlo Luigi Bottasso, *Germany*

Guido Buresti, *Italy*

Massimiliano Burlando, *Italy*

Shuyang Cao, *China*

Luca Caracoglia, *USA*

Xinzhong Chen, *USA*

Zhengqing Chen, *China*

Vincent Denoël, *Belgium*

Giorgio Diana, *Italy*

Andrzej Flaga, *Poland*

Olivier Flamand, *France*

Richard Flay, *New Zealand*

Joerg Franke, *Germany*

Yaojun Ge, *China*

Christos Georgakis, *Denmark*

Catherine Gorlé, *USA*

Vittorio Gusella, *Italy*

Horia Hangan, *Canada*

Svend Ole Hansen, *Denmark*

David Hargreaves, *United Kingdom*

Pascal Hémon, *France*

Santiago Hernández, *Spain*

Rüdiger Höffer, *Germany*

John Holmes, *Australia*

Guoqing Huang, *China*

Peter Irwin, *Canada*

Jason Jonkman, *USA*

Michael Kasperski, *Germany*

Tracy Kiewskij-Correa, *USA*

Gregory Kopp, *Canada*

Kenny Kwok, *Australia*

Walter Lacarbonara, *Italy*

Guy Larose, *Canada*

Allan Larsen, *Denmark*

Chris Letchford, *USA*

Acir Mécio Loredou-Souza, *Brazil*

Claudio Lugni, *Italy*

Claudio Mannini, *Italy*

Lance Manuel, *USA*

Enzo Marino, *Italy*

Bill Melbourne, *Australia*

Torgeir Moan, *Norway*

Akashi Mochida, *Japan*

Hans-Jürgen Niemann, *Germany*

Felix Nieto, *Spain*

Ole Andre Øiseth, *Norway*

John Owen, *United Kingdom*

Giuseppe Piccardo, *Italy*

Fernando Porté-Agel, *Switzerland*

Stanislav Pospíšil, *Czech Republic*

Dorothy A. Reed, *USA*

Maria Pia Repetto, *Italy*

Daniele Rocchi, *Italy*

Emil Simiu, *USA*

Seymour M J Spence, *USA*

Paolo Spinelli, *Italy*

Theodore Stathopoulos, *Canada*

Mark Sterling, *United Kingdom*

Tetsuro Tamura, *Japan*

Yukio Tamura, *Japan*

Yoshihide Tominaga, *Japan*

Yasushi Uematsu, *Japan*

Jeroen Van Beeck, *Belgium*

Teng Wu, *USA*

Tomomi Yagi, *Japan*

Guirong/Grace Yan, *USA*

Qingshan Yang, *China*

Alberto Zasso, *Italy*