

## SCIENTIFIC COMMITTEE

- **E.P. Tomasini** (President), Department of Industrial Engineering and Mathematical Sciences, Polytechnic University of Marche;
- **R. Camussi**, Department of Mechanical and Industrial Engineering, Roma Tre University;
- **P. Chiariotti**, Department of Mechanics, Politecnico di Milano;
- **G. Cosoli**, Department of Industrial Engineering and Mathematical Sciences, Polytechnic University of Marche;
- **F. Cozzi**, Energy Department, Politecnico di Milano;
- **M. D.L. Dalla Vedova**, Department of Mechanical and Aerospace Engineering, Polytechnic University of Turin;
- **F. De Gregorio**, CIRA - Italian Aerospace Research Centre, Capua;
- **F. Di Felice**, I.N.S.E.A.N., Rome;
- **G. Giuliani**, Department of Electrical, Computer and Biomedical Engineering, University of Pavia;
- **L. Marchitto**, STEMS-CNR, Naples;
- **T. Pagliaroli**, Niccolò Cusano University, Rome;
- **G. Querzoli**, Department of Environmental Civil Engineering and Architecture, University of Cagliari;
- **G. Troiani**, ENEA C.R. Casaccia, Rome;
- **E. Zappa**, Department of Mechanical Engineering, Politecnico di Milano.

## ORGANISING COMMITTEE

**Chair:** Prof. Enrico Primo Tomasini, Polytechnic University of Marche

**Co-Chair:** Prof. Paolo Chiariotti, Politecnico di Milano

**Co-Chair:** Prof. Alfredo Cigada, Politecnico di Milano

## ORGANISING SECRETARIAT

Janet L. Dubbini,

**A.I.VE.L.A.**, c/o D.I.I.S.M., Polytechnic University of Marche, Ancona

e-mail: [aivela@univpm.it](mailto:aivela@univpm.it)

## MEETING VENUE

The XXXI AIVELA National Meeting will be held at the premises of the Department of Mechanics of Politecnico di Milano.

The full address is:

Via La Masa 1, 20156 Milano

<https://www.mecc.polimi.it/>



## HOW TO REACH THE VENUE

### BY TRAIN

Take the Malpensa Express and get off at “Bovisa Politecnico” station. Once outside, turn right and go down the stairs. Then turn left in via Privata Mariani and, at the end of the street, turn right in via La Masa. The Department of Mechanical Engineering is on your left. Alternatively, take the underground M3 yellow line to “Repubblica” station (destination: “S. Donato”) and then take the S1, S2 or S13 lines or take the M2 green line to “Garibaldi” station (destinations: “Assago” or “Abbiategrasso”) and then take the S1, S2 or S13 lines.

### BY PLANE

From Malpensa: take the Malpensa Express train that leaves Terminal 1 and Terminal 2 every 30 minutes. Get off at “Bovisa Politecnico” station. Once outside, turn right and go down the stairs. Then turn left in via Privata Mariani and, at the end of the street, turn right in via La Masa. The Department of Mechanical Engineering is on your left.

From Linate: catch bus 73, a non-stop bus which will take you to the city centre (Piazza S. Babila). Then catch the underground (M1 red line) TO “Rho Fiera” or “Bisceglie” and get off at “FNM Cadorna” station. In the daytime trains leave “FNM Cadorna” station every 5-10 minutes.



**A.I.VE.L.A.**

*is pleased to announce*



**POLITECNICO DI MILANO**  
**5-6 DECEMBER 2023**

Organised in collaboration with:



**POLITECNICO**  
MILANO 1863

DIPARTIMENTO DI MECCANICA



and the support of:



<https://www.aivela.org>

**FIRST ANNOUNCEMENT**

## XXXI A.I.VE.LA. NATIONAL MEETING

The XXXI A.I.VE.LA. National Meeting is organised in collaboration with the Department of Mechanics of Politecnico di Milano on 5-6 December 2023.

### TOPICS

The aim of the Meeting is to present the most recent studies and advanced results in the field of non-contact or minimally invasive measurements of mechanical, fluid dynamic, thermal, chemical, etc. quantities, with particular attention to optical techniques.

The following list is given as guidance:

- Laser Doppler Anemometry - LDA
- Phase Doppler Anemometry - PDA
- Particle Image Velocimetry - PIV
- Flow visualization techniques
- Spectroscopic measurement techniques (LIF, Raman, etc.)
- Laser Doppler Vibrometry - LDV
- Electronic Speckle Pattern Interferometry - ESPI
- Holographic techniques
- Shearography
- Digital Image Correlation - DIC
- Moiré techniques,
- Structured light techniques
- Infrared imaging
- Hyperspectral imaging
- Photoelasticity
- Image based measurement techniques
- Ultrasonic sensing
- Acoustic and Aeroacoustic measurements
- other non-contact or minimally invasive measurement techniques.

The Members Annual Assembly will take place on occasion of the Meeting.

### LANGUAGE

The official language of the Meeting is English.

## EXHIBITION

An Exhibition is planned to enable participating organisations to bring their products directly to the attention of a selected audience. Exhibitors also have the opportunity to present their corporate image and products within a special dedicated session of the Meeting.

### ABSTRACT SUBMISSION

Extended abstracts on the topics of the meeting must be sent to the Meeting Secretariat together with the Pre-registration Forms not later than **7<sup>th</sup> November 2023**.

Abstracts should include:

1. Title of paper;
2. Full names of all Authors (the name of the Presenting Author must be underlined);
3. Affiliation;
4. Text (about 200 words plus supporting figures).

Abstracts must be sent by e-mail to [aivela@univpm.it](mailto:aivela@univpm.it). Presenting Authors will be notified whether their submission has been successful by 13<sup>th</sup> November.

### PROCEEDINGS

The proceeding of the Meeting will be published in electronic format after the event by an internationally renowned Publishing House and indexed in the leading databases of scientific & engineering literature, including SCOPUS, ISI Web of Science, etc.

### REGISTRATION FEES

|               | BY 18 <sup>TH</sup><br>NOVEMBER | AFTER 19 <sup>TH</sup><br>NOVEMBER |
|---------------|---------------------------------|------------------------------------|
| ◇ Regular:    | € 380,00                        | € 430,00                           |
| ◇ Student:    | € 280,00                        | € 330,00                           |
| ◇ extra paper | € 80,00                         | € 80,00                            |
| ◇ Exhibitor:  | € 500,00                        | € 500,00                           |

Participation fees also include the publication of 1 paper in the proceedings, coffee breaks, lunch and dinner, and membership to AIVELA for 2023-2024.

### INVITED LECTURES & TUTORIALS

Lectures and Tutorials will be delivered by leading personalities and instrumentation manufacturers in the fields of interest of the event.

## XXXI A.I.VE.LA. NATIONAL MEETING

### PRE-REGISTRATION FORM

Send to [aivela@univpm.it](mailto:aivela@univpm.it)

|                              |  |
|------------------------------|--|
| Title (Prof., Dr, Eng, etc.) |  |
| Surname                      |  |
| Name                         |  |
| Institution                  |  |
| Department                   |  |
| Address                      |  |
| Town                         |  |
| e-mail                       |  |

### CROSS ONE OR MORE ENTRIES:

- ◇ I would like to attend the Meeting
- ◇ I would like to participate in the Exhibition
- ◇ I would like to present a paper

Subject or title of the paper

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Suggested session

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#### INFORMATION AND CONSENT TO THE TREATMENT OF PERSONAL DATA - (art.13 Decree-law n°196/2003)

We wish to inform you that your personal data will be collected by us with the only purpose of carrying out our institutional activity and of supplying you the services you asked us for; sensitive data will not be collected; your data will be recorded according to the laws in force and will not be widespread. Your rights are the ones described in art.7 of Decree-Law n° 196/2003 and they can be exercised with an informal request addressed to A.I.VE.LA, Italian Association of LAser VElocimetry, Via Breccia Bianche n°1, 60131 Ancona

Date\_\_\_\_\_ Signature\_\_\_\_\_