



2027 IEEE INTERNATIONAL WORKSHOP ON

Metrology for Living Environment

www.metrolivenv.org

ANCONA, ITALY / JUNE 7-9, 2027

ORGANIZERS

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IMPORTANT DATES

DECEMBER 1, 2026

SPECIAL SESSION PROPOSAL
SUBMISSION DEADLINE

FEBRUARY 12, 2027

EXTENDED ABSTRACT SUBMISSION
DEADLINE

MARCH 14, 2027

EXTENDED ABSTRACT NOTIFICATION

APRIL 30, 2027

FINAL PAPER SUBMISSION DEADLINE

ANCONA

Overlooking the Adriatic Sea, Ancona is a vibrant coastal city where history, culture, and innovation meet. Founded by ancient Greek settlers and shaped by centuries of maritime traditions, the city offers a unique blend of archaeological heritage, stunning seaside landscapes, and modern urban life.



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Section

The 2027 IEEE International Workshop on Metrology for Living Environment (IEEE MetroLivEnv 2027) aims to be a solid reference of the technical community to present and discuss the most recent results of scientific and technological research for the living environment, with particular emphasis on applications and new trends.

The program is designed to raise the interest of a wide group of researchers, operators and decision makers from metrology and several different research fields, presenting the cutting-edge solutions in the living environment from the scientific and technological point of view. The Workshop covers all aspects of the living environment focusing on its design and life cycle, energy efficiency, structural health monitoring, measurement for comfort assessment, indoor pollution, chemical and physical parameters monitoring.

Topics for IEEE MetroLivEnv 2027 include

- Building diagnostic during and after constructions;
- IoT based monitoring systems;
- Measurements for BIM and digital twins;
- Indoor environmental quality;
- Sensors and sensor networks for smart buildings;
- Robots in living environment;
- Unmanned systems for living environment monitoring;
- Comfort and well being;
- Active and assisted living;
- Building energy performance assessment;
- Use of artificial intelligence for living environment measurements;
- Infrared and hyperspectral monitoring system for living environment;
- Historical buildings and cultural heritage;
- Standards and norms for measurements in built environment;
- Uncertainty models for decision making.

In addition to regular papers, many initiatives and opportunities such as special sessions, exhibits, tutorials, demos, student contests, journal papers, and others are planned to enhance your experience with the conference and will make IEEE MetroLivEnv 2027 a vibrant event to meet with people in instrumentation and measurement for living environment. Papers that are accepted and presented will be submitted for inclusion in the *IEEE Xplore Digital Library*, subject to meeting IEEE Xplore's scope and quality requirements.



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