



2023 IEEE INTERNATIONAL WORKSHOP ON



# Metrology for Living Environment

POLITECNICO DI MILANO, ITALY

MAY 29 - 31, 2023

## CALL FOR PAPERS

The **2023 IEEE International Workshop on Metrology for Living Environment** (IEEE MetroLivEnv 2023) 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.

Attention is paid, but not limited to, on new technologies for metrology assisted solutions for design, construction, efficient, safe, comfortable and healthy operation of the built environment including active and assisted living (AAL). Innovative solutions can be based on the IoT paradigm, BIM, sensors, signal processing, data analytics, artificial intelligence, sensor networks, interoperability standards.

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.

## ORGANIZERS

### GENERAL CHAIRS

Francesco Lamonaca  
*University of Calabria, Italy*  
Gabriele Milani  
*Politecnico di Milano, Italy*

### TECHNICAL PROGRAM CHAIRS

Marco Arnesano  
*eCampus University, Italy*  
Stefano della Torre  
*Politecnico di Milano, Italy*  
Gian Marco Revel  
*Marche Polytechnic University, Italy*  
Luis Carlos Silva  
*Politecnico di Milano, Italy*

## TOPICS

- ✓ 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.

## SPECIAL SESSIONS

Special sessions have the main aim of creating a mini-workshop on a specific topic, where researchers working on the same argument can make knowledge, familiarize, exchange ideas, create cooperation.

Special Sessions are being developed by designated chairs.

Special sessions will be organized on specific topics, see online at

<https://www.metrolivenv.org/special-sessions>

## IMPORTANT DATES

Tutorial and Special Session Proposals Deadline  
**December 15, 2022**

Extended Abstract Submission Deadline  
**January 31, 2023**

Extended Abstract Acceptance Notification  
**March 15, 2023**

Final Paper Submission Deadline  
**April 15, 2023**

<http://www.metrolivenv.org>

info  [metrolivenv.org](mailto:info@metrolivenv.org)

f [@metrolivenv](https://www.facebook.com/metrolivenv)

 [@metrolivenv](https://twitter.com/metrolivenv)

# #MetroLivEnv 2023