



2026 IEEE INTERNATIONAL WORKSHOP ON

# Metrology for Green technologies, REnewable ENergy and ecological SusTainability

SIENA, ITALY / SEPTEMBER 23-25, 2026

In these years we are facing a paradigm shift, from man who changes the surrounding environment in the name of progress and well-being, regardless of the consequences on future generations, to the possibility of acting, living and progressing in a sustainable way and in harmony with the environment and the planet that we must preserve. In such a context, metrology plays a crucial role in order to evaluate the performance of green technologies regarding manufacturing and low power specifications, renewable energy production, fruition and storage and last but not least the ecological sustainability of the technological cutting-edge solutions. **IEEE MetroGREENST 2026** brings together researchers and operators in the development, characterization and evaluation of technologies and solutions for a green approach to the planet and everyday life.

## Topics for IEEE MetroGREENST 2026 include

- Measurements and measurement systems for Green Energy production, fruition and storage: Solar-energy, Wind Energy, Hydrogen, Fuel-cells, Biomasses, Batteries;
- Measurements for Energy harvesting;
- Measurements for low power electronics;
- Sensors and sensing systems for environmental monitoring;
- Metrology and quality assurance for Ecological Sustainability;
- Green approach for technological solutions: materials, devices, sensors, systems;
- Measurements Machine learning and AI for green applications;
- Remote sensing, weather and climate measurements;
- Measures and measurement systems for recycling technologies and smart waste management;
- Signal and data processing;
- Measurement systems for green electronics and new technologies (flexible electronics, inkjet printing, additive manufacturing development);
- Cutting edge sensor and sensor-based measurement systems development;
- Measurements and Metrology for green chemistry processes;
- Metrology for environmental pollution assessment;
- Radiofrequency and Microwave measurements for green applications (Microwave emission evaluation, Energy harvesting, low power non-contact sensors);
- Measurements for risk assessment;
- Metrology for resource management;
- Metrology for the efficiency of the planet's resources and raw materials.

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 MetroGREENST 2026** a vibrant event to meet with people in instrumentation and measurement for green technologies, renewable energy and ecological sustainability. Papers that are accepted and presented will be submitted for inclusion in the *IEEE Xplore Digital Library*.

## ORGANIZERS

### HONORARY CHAIRS

**NICOLA DONATO**  
*University of Messina, Italy*

**PASQUALE DAPONTE**  
*University of Sannio, Italy*

### GENERAL CHAIRS

**ADA FORT**  
*University of Siena, Italy*

**MARA BRUZZI**  
*University of Florence, Italy*

**RAMASWAMY NAGARAJAN**  
*University of Massachusetts Lowell, US*

## IMPORTANT DATES

**MARCH 5, 2026**

SPECIAL SESSION PROPOSAL  
SUBMISSION DEADLINE

**MAY 10, 2026**

EXTENDED ABSTRACT SUBMISSION  
DEADLINE

**JUNE 30, 2026**

ACCEPTANCE NOTIFICATION

**JULY 31, 2026**

FINAL PAPER SUBMISSION DEADLINE

## SIENA

Siena is a well-preserved medieval city in Tuscany, famous for its Gothic architecture, rich art, winding cobblestone streets, and the famous shell-shaped Piazza del Campo, home to the thrilling Palio horse race. A UNESCO World Heritage site, Siena offers a glimpse into medieval splendor with its distinctive contrade (districts), historic buildings and a deep-rooted cultural pride, making it a top Italian destination.