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2025 IEEE INTERNATIONAL WORKSHOP ON

Metrology for Green technologies, REnewable ENergy and ecological SusTainability

GIARDINI NAXOS (MESSINA), ITALY / SEPTEMBER 24-26, 2025

ORGANIZERS

GENERAL CHAIRS

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IMPORTANT DATES

- MARCH 31, 2025**
SPECIAL SESSION PROPOSAL
SUBMISSION DEADLINE
- JUNE 27, 2025**
EXTENDED ABSTRACT SUBMISSION
DEADLINE
- JULY 25, 2025**
ACCEPTANCE NOTIFICATION
- SEPTEMBER 5, 2025**
FINAL PAPER SUBMISSION DEADLINE

GIARDINI NAXOS

Giardini Naxos is a picturesque town on the eastern coast of Sicily, known for its stunning beaches, clear waters, and rich history. Located at the foot of Mount Tauro, it offers panoramic views of the Ionian Sea and the nearby Isola Bella. Originally the site of the ancient Greek colony of Naxos, it boasts archaeological sites and a charming historic center. Today, it is a popular destination for tourists, offering a perfect mix of relaxation, outdoor activities, and cultural experiences, with a variety of restaurants, hotels, and shops.

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. MetroGREENST 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 2025 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 2025 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*.

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