

2023 IEEE INTERNATIONAL WORKSHOP ON

Metrology for Automotive

MODENA, ITALY /// JUNE 28 - 30, 2023

METRO AUTOMOTIVE
MODENA 2023

CALL FOR PAPERS

The **2023 IEEE International Workshop on Metrology for Automotive** (***IEEE MetroAutomotive 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 automotive industry, with particular emphasis to applications and new trends.

Attention is paid, but not limited to, new technology for metrology assisted production in automotive industry, sensors and associated signal conditioning for automotive, and calibration methods for electronic test and measurement for automotive.

The program is designed to raise the interest of a wide group of researchers, operators and decision makers from metrology and automotive fields, by presenting the most innovative solutions in this field from the scientific and technological point of view. The Workshop covers all aspects of the segment focusing on electrical vehicles, connected autonomous cars and related mobility.

TOPICS

- Electronic instrumentation for automotive;
- Automatic test equipment for automotive;
- Sensors and sensor systems for automotive applications;
- Wireless sensor networks in automotive;
- Automotive instrumentation and telematics;
- Diagnostics;
- Standards for automotive instrumentation;
- Legal and ethical implications of metrology in the future automotive field;
- Thermal and mechanical instrumentation and measurement for automotive
- Experimental combustion analysis in internal combustion engines
- Virtual and innovative sensors development and validation
- Data-driven and AI-based control system development
- Calibration and mapping of Electronic Control Unit
- Hardware-in-the-loop testing
- Engine performance cells and test rigs development and calibration
- Pollutant emission measurements and on-board monitoring in automotive
- NVH measurements and instrumentation

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.metroautomotive.org/special-sessions

http:// www.metroautomotive.org

ORGANIZERS

GENERAL CHAIRS

Luigi Rovati
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IMPORTANT DATES

Tutorial and Special Session Proposals Deadline
January 31, 2023

Extended Abstract Submission Deadline
April 7, 2023

Extended Abstract Acceptance Notification
April 30, 2023

Final Paper Submission Deadline
May 30, 2023

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