

3rd IEEE International Workshop on
Metrology for AeroSpace
Florence, Italy, June 22-23, 2016

**CALL FOR PAPERS for the Special Session on
METEOROLOGICAL SENSORS AND SENSOR SYSTEM FOR FLIGHT SUPPORT**

This special session has the main goal to represent the innovative research developed in the framework of the meteorological sensors and systems supporting pilots, watchtower and flight management systems through an increasing awareness of the meteorological conditions during the different phases of the flight (from taxing and take off up to descent and landing). Knowledge of the meteorological conditions includes not only measurements of the present weather conditions and, more specifically measurements of the features of the hazardous meteorological events affecting aerospace vehicles, but also their forecast on different time ranges (from nowcasting to short and medium range).

TOPICS

- Definition and design of sensors, considering all the platform nowadays available (as satellite, radar, on board and in situ) for the measurements of the weather conditions during the different flight phases.
- Implementation of innovative systems, integrating multi-platform data (numerical models for weather prediction and sensors), to optimize flight trajectory and supporting pilot during the different flight phases.
- Implementation of tools with adequate accuracy, permitting the identification, measurements and tracking of aviation hazardous weather conditions.

Accepted papers will be published in the proceedings of the Workshop and the proceedings will be submitted for indexing in the IEEE Xplore Digital Library.

CHAIR

- Paola Mercogliano, *Italian Aerospace Research Center - C.I.R.A., Italy*

Besides the Workshop, participants will enjoy staying in the historical city of Florence with different touristic tours available each day and the opportunity to extend their visit spending also the weekend in Florence and Tuscany Region. Famous for its history, Florence is considered the birthplace of the Renaissance. Appreciated by millions of tourists from all over the world for its culture, architecture and monuments, it was declared a World Heritage Site by UNESCO in 1982.

IMPORTANT DATES

- **January 22, 2016** - Submission of Extended Abstract
- **April 15, 2016** - Notification of Acceptance
- **May 22, 2016** - Submission of Final Paper

More information may be retrieved by visiting the IEEE Workshop on Metrology for Aerospace website: www.metroaerospace.org. We hope to be able to count you among the MetroAeroSpace Workshop participants.

You are also kindly invited to forward this Call for Papers to your colleagues.
We apologise if you receive multiple copies of this message.