



2019 IEEE INTERNATIONAL WORKSHOP ON

METROLOGY FOR AGRICULTURE AND FORESTRY



 24-26 OCTOBER 2019

 **PORTICI – ITALY**
University of Naples Federico II
Department of Agricultural Sciences

CALL *for* PAPERS



For the special session on:

UAV AND ICT TECHNOLOGIES FOR SMART AGRICULTURE

ABSTRACT

Emerging technologies and continuous improvements of Unmanned Aerial Vehicles (UAVs) and Information and Communication Technology (IT) are leading to new opportunity to overcome some of the modern agriculture challenges. Indeed, remote sensing and crop modelling were empowered by new airborne sensors and technologies, which are proving their effectiveness in an growing number of applications. Recently, UAVs proved to be effective also in implementing specific in-field operations, allowing to properly and timely targeting specific issues. The session is open to a wide range of new studies on UAV and ICT applications for improving agricultural applications. Contributions on crop modelling and mapping using hyperspectral, multispectral and thermal imagery are welcomed, together with recent 3D crop modelling methods. The interest spans an entire spectrum of new solution and application of UAV airborne technologies and of the new processing methods to extract valuable crop information from acquired huge datasets.

TOPICS

We welcome contributions that:

- assess the crop status by airborne remote sensing;
- present new solution for UAV missions in agriculture;
- new processing methods of UAV acquired imagery;

ORGANIZERS



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