Workshop on

Innovative DRONE Enhanced Applications

Bologna, Italy, 14-15 November 2018

Within the scope of the
23rd Conference of Open Innovations

Association FRUCT

www.fruct.org/IDEA18

This International Workshop on advances in Innovative Drone Enhanced Applications (**IDEA18**) will be held on November 14, 2018 in Bologna, in conjunction with FRUCT23 (https://www.fruct.org/cfp).

Overview

Drones are starting to be part of our daily lives, becoming vital for ensuring services in different fields such as precision farming, security, aerial inspection, media, explorations. Opportunities offered by drones, as a leverage for jobs and new business, are based on recent technological developments acting as a catalyst for innovative applications with great economic potential. The universities of Oulu and Bologna organize this Workshop with the aim of bringing together people interested to discuss and enlighten the challenges, the opportunities and the long term ambitions of innovative drone applications and technologies. IDEA18 is addressed to researchers, stakeholders and enterprises active in this domain.

The topics of interest include, but are not limited to the following subject areas:

- Drones and IoT convergence
- Embedding flying sensors and actuators in IoT Infrastructures
- Simulation platforms for drone applications
- Aerial Multispectral Photography
- Drone based monitoring in search, rescue and disaster management support
- Drone based environmental and infrastructure monitoring
- Drones in deep-learning loops
- Drones in systems of systems loops
- Formation flying applications
- Beyond line of sight drone operations
- Business models for drone start-ups
- Drones and pilots regulations trends
- Challenges, opportunities and threads in drone platforms, tools and apps

Call for papers, posters, demos

Full Papers (recommended 6 pages and up to 8 pages) - **Short paper** (min 200 words, max 5 pages) – **Poster/Demo**
Paper Submission: 15 September 2018 - **Notification:** 5 October 2018 - **Camera-ready:** 12 October 2018
Poster/Demo submission: 29 October 2018 (instructions at https://www.fruct.org/demo23)
Papers and demos submission shall be done via EasyChair conference management system.
IDEA18 features a Best Paper Award and a Best Student Paper Award, based on the reviewers' comments and on the quality of the presentation.

Publication

Full papers will be published in FRUCT proceedings (ISSN 2305-7254), included to IEEE Xplore and indexed by Scopus, ACM and DBLP. Selected papers are recommended for CPCI indexing (Web of Science).

Contacts and paper submission details

Paper templates, and other submission relevant details are available at https://www.fruct.org/submit.
If you get some questions that are not covered at the conference web page, feel free to send an email to idea18@unibo.it
Additional contact: info@fruct.org

Registration

Please register at the conference web page at https://www.fruct.org/registration