

Paparazzi UAV System Workshop

ISARRA 2016

Proposal

Goal of the workshop

This workshop aims at presenting the Paparazzi UAV system from the end-user point of view. Focus will be on the flight plan capabilities to produce advanced flight patterns, in particular for atmospheric research. The presentation will be made by ENAC (French Civil Aviation University), co-developer of Paparazzi.

Short program description

The workshop is planned for half a day (3 to 4 hours) with the following program:

- Introduction to the Paparazzi system
- Airframe description and parametrization
- Flight plan language with various examples
- Existing drivers and applications for meteorological and atmospheric research
- Short guidelines for new software integration

Extra information

Paparazzi is an Open-Source drone hardware and software project founded in 2003 (<http://paparazziuav.org>). It can be use with fixed-wing or rotorcraft airframe type and was designed with multi-UAV operations in mind. It has already been used by several researchers' team for atmospheric research:

- <http://wiki.paparazziuav.org/wiki/SUMO>
- <http://www.cnrm-game-meteo.fr/voltige/>