

## **Two PhD positions for Research on Automatic Control Engineering at University of Sannio in Benevento, Italy**

Contributed by: Davide Liuzza, [davide.liuzza@unisannio.it](mailto:davide.liuzza@unisannio.it)

PhD Position available at the Department of Engineering of the University of Sannio in Benevento, Italy.

Contacts: Prof. Luigi Glielmo (email [glielmo@unisannio.it](mailto:glielmo@unisannio.it)), Prof. Luigi Iannelli (email [luigi.iannelli@unisannio.it](mailto:luigi.iannelli@unisannio.it)), Dr. Davide Liuzza (email [davide.liuzza@unisannio.it](mailto:davide.liuzza@unisannio.it)), Giuseppe Silano (email [giuseppe.silano@unisannio.it](mailto:giuseppe.silano@unisannio.it)).

The GRACE (Group for Research on Automatic Control Engineering) at the University of Sannio offers two PhD positions for an incoming European Project on CPS for farming scenarios to be started in October 2018.

The successful candidates will conduct original research on drone navigation and control in unknown environments (with special emphasis on woods and orchard) based on visual odometry information.

Our ideal candidates have a sound knowledge in robotics and computer vision from their Bachelor and Master degrees, experience in drone navigation, SLAM, computer vision algorithms and virtual reality environments for robotic applications (such as Gazebo, V-Rep, Webots, AirSim, etc.). Furthermore, a basic knowledge of ROS is desirable.

The candidates will also have to demonstrate experience in object programming (C++, Java), general skills in computer programming (Python, C, XML, and so on) an excellent academic track record, well developed problem solving skills and a strongly motivated personality.

Familiarity with open source OS (Ubuntu) and version control systems (Git and Mercurial) is a plus. Interests in both theoretical robotic research and mobile robotic applications as well as the ability of working independently complete the candidate profiles.

The candidates will be selected according to applicant fulfilment of the above qualifications.

Interested candidates must send detailed CV, two contacts to whom we can ask reference letters, and any other useful documentation to the email address:

[luigi.iannelli@unisannio.it](mailto:luigi.iannelli@unisannio.it), [davide.liuzza@unisannio.it](mailto:davide.liuzza@unisannio.it) and [giuseppe.silano@unisannio.it](mailto:giuseppe.silano@unisannio.it) (please, include all the addresses).

Answers will be given at the beginning of September, 2018.

The selected candidate will join the control system group at the University of Sannio in Benevento, Italy. The project involves an academic and industrial panel of roughly 50 European partners.