8 RESEARCH POSITIONS available in "H2020 ERC ADVANCED GRANT GRIFFIN dealing with safe and long endurance flapping wing aerial robots with perching and manipulation capabilities", University of Seville, Spain

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The Robotics Laboratory (GRVC) at the University of Seville (Spain) has currently 8 RESEARCH POSITIONS available in the context of the H2020 ERC ADVANCED GRANT GRIFFIN.

BRIEF DESCRIPTION

* PROJECT: H2020 ERC ADVANCED GRANT GRIFFIN dealing with safe and long endurance flapping wing aerial robots with perching and manipulation capabilities,

* AERIAL ROBOTICS TOPICS: mechanical and mechatronic design, aerodynamic modelling and control, aerial soft robotics and compliance, perception and control for landing and manipulation, bioinspired perception and control, motion planning with dynamic awareness, estimation and sensor fusion, machine learning, SLAM and real-time perception systems,

* POSITIONS:

- Senior researcher positions with strong publication record, as well as experience and solvency in managing robotic projects and work teams. Contract with gross yearly amount to be negotiated

- Postdoc researcher positions with publication record and experience in technically developing projects. Candidates should have experience in the above topics, and in participating in complex R&D projects. Excellent English writing skills and capacity to prepare project deliverables. Contract with gross yearly amount greater than 33.000 EUR.

- PhD positions for motivated early stage researchers in aerial robotic systems control/planning and perception. Candidates must have Master of Science degree and a strong background and/or interest in
some of the above aerial robotics topics. Contract, or scholarship including full social security + bonus depending on performance, reaching up to 25,000 EUR

Selected applicants should have team working skills, have good or excellent English and scientific writing skills. Should combine a strong interest in scientific research with eagerness to transfer the
technology developed.

For all positions, the initial contract will be for a period of 1 year and will start in the third quarter of 2018. This contract could be extended for a total of 3 or 4 years (depending on the project and performance).

* LAB: The candidate will be integrated in the Robotics & Control group Laboratory (GRVC) at the University of Seville (https://grvc.us.es), one of the most relevant laboratories in aerial robotics. GRVC is currently composed of more than 75 members with heterogeneous and synergetic engineering background and skills (aeronautics, mechatronics, computer science, telecommunication, electronics, mechanical engineering) with long tradition in aerial robotics, since 1998. In the last 10 years the GRVC researchers have led or participated in more than 75 projects in aerial robotics, including 20 Framework Program European projects (leading 5) and receiving more than 21 Million euros of external funding. Currently, it is participating in 13 active H2020 projects. The GRVC is at the School of Engineering of Seville (http://www.etsi.us.es/en). With more than 6.000 students and 19 Engineering Bs. and MSc. degrees and 5 PhD programs, it is one of the largest engineering academic centres in Europe.

* HOW TO APPLY:

Please submit your application by sending an email to grvc.candidates@gmail.com and copy to jaar@us.es with the following information:

1) Type of position (Senior researcher, Postdoc or PhD.) and particular aerial robotics topics (see list above) you are applying.

2) A motivation letter briefly describing the motivation of your application: what do you consider the best facts in your CV? What are your reasons to ask for the position? Why would you like to work at the GRVC?

3) A detailed CV including a list of publications (if available).

4) If available: 1-3 English language documents describing your earlier research (e.g., scientific papers, PhD thesis, MSc. thesis, project report, etc.). These documents do not need to be on the topic of the position.

5) For PhD positions: a transcript of your educational record (list of courses per year, number of obtained credits, obtained marks). It does not need to be an official document at this stage. A (rough) indication or estimate of your rank among other students (e.g., top 10% among 35 students in my master).