

Systems Engineer - electronics, communications and sensors for drones (μUAVs)

Quasar Science Resources seeks an enthusiastic early-career Systems Engineer with a hardware-oriented technical profile.

The engineer will work in a project for the development of an unmanned aerial vehicle (UAV) for a scientific mission. The drone will host a suite of sensors to study terrestrial analogues sites (geomorphic fidelity to Mars), like impact/volcanic craters.

The position is based in Pinar de las Rozas (Madrid). It is a full-time position associated to a project with duration of 24 months. It will start the 1.06.2017. Deadline for application submission is 20.05.2017.

Responsibilities/Duties

The work to be performed includes:

- Integration of sensors in the UAV platform
- Development of the Ground Control Station (communications, visualisation, mission planning)

Qualifications/Experience

Degree/Master in Electronics Engineering, Software Engineering, Physics or similar

Essential skills

SDK environment for UAVs

PCB design

Prototyping / Microcontroller programming (Arduino, Beagle Bone, ARM)

Desirable skills

UAVs pilot license

C / Java programming experience

Scripting languages: Python

Web Technologies: JavaScript (3djs, node.js)

Development with IP or IoT protocols

Testing and debugging embedded electronics using standard electronic test equipment

Application

Please send your CV and a letter of interest to:

Francisco Ocaña (franciscoocana@quasarsr.com)

QUASAR SCIENCE RESOURCES

Quasar Science Resources is a private company that provides consulting Software and System Engineering services for Research and Development projects. We provide high quality tailored-made services targeted at Research Centres, Universities and Private Companies looking to expand their activity domain. We operate in the Madrid (Spain) area but our customers include national and European partners both in the public and private sectors.