Robotics and Autonomous System Engineer Service

Location: UK, Harwell, ESA-ECSAT

Deadline: 16/08/17

Reference: AVUA-008501

Contract duration: Permanent

Sapienza is looking to recruit a Robotics and Autonomous System Engineer to work at ECSAT, Harwell, UK. The candidate will support the HRAF (Harwell Robotics and Autonomy Facility) and will contribute to the development and validations of autonomous systems such as planetary rovers and similar other landed elements.

Responsibilities:

- Support the HRAF-related technology activities:
  - HRAF Pilot 2
  - HRAF EDLS distributed simulation federation and model driven engineering framework
  - Overall development of the Virtual Laboratory/Digital Archiving for HRAF, in particular first operational tool implementation activity
  - Use of HRAF for the AMBITION activity
- Support on-going technology development activities related to rover technologies and operations as well as future Mars related system studies, with particular focus on Sample Fetch Rover
- Support the development of the spaceship ECSAT, a new enterprise of the Exploration Programme, which is dedicated to initiate low-TRL activities for verification and validation of autonomous systems in collaboration with industry/institutes

Profile:

- PhD or Master’s degree in Engineering or a related field
- At least 4 years of previous experience in a relevant field
- Knowledge of SysML (Magic Draw), XML, Java, C++, matlab/simulink, ROS
- Experience with Distributed simulations, middleware technology (HLA, CCSDS MO, ...)
- Experience in database development and maintenance
- Experience in system engineering tools like ESA-AF, OCDT
- Experience with ESA developed tools like 3DROV, 3DROC, simsat...is an asset
- Excellent knowledge of English, knowledge of another member-state language is an asset
Contact:

Candidates must be eligible to work in the EU

Please send your CV (in English) as soon as possible, but no later than the **16 of August 2017** at jobs@sapienzaconsulting.com