Career Opportunity

The Space Applications Services group has offices in Belgium (HQ), the Netherlands and the USA. We are a dynamic international group with 30 years experience in performing and supporting system and software engineering for the European Space Agency (ESA), National Space Agencies and the aerospace industry.

We work on international manned & unmanned spacecraft programmes, earth observation, science, exploration, communications and related technology development.

For the Belgian office, we are looking for a:

Mechatronics and Control Engineer - Space robotics (M/F)

(2018-003-BE-SYS-RMS-MCE)

The successful candidate will be based at our main office at Sint-Stevens-Woluwe, (Brussels area) and will join the Robotics, Mechanisms & Structures Team (Technologies, Applications & Research Division, Systems Department), whose activities cover the complete development lifecycle in a range of robotics projects. The candidate will mainly report to the Team Lead and the Division Manager.

Tasks and Responsibilities

The work will initially deal with the development of control software components for complex robotic components related to space robotics applications, in challenging ESA and EC funded projects. These projects in particular include e.g. the development of a force feedback exoskeleton user interface (for robotic telepresence).
Tasks will include:

- Analysing potential control strategies, carrying out trade-offs accounting for electronic boards options and taking into account mission requirements
- Developing hardware and software test setups to validate the suitability of control strategies
- Supporting the end-to-end implementation, testing and optimisation on target robots architectures
- Generating the technical documentation required all along the process
- The position is located in our offices in Brussels area and will involve limited international travel within Europe (and possibly USA) for short-term collaboration projects.

Qualifications and Experience

- MSc oh PhD in relevant fields (robotics, automation, control, mechatronics,…)
- 2 to 5 years of professional experience in space robotics applications
- Proficency with control algorithms related to robotics manipulation, haptic and SLAM applications
- Hands-on experience with robotics software developments and frameworks (ROS, OROCOS, Gazebo,…), real-time control and communication (CANOPEN, EtherCAT,…)
- Advanced programming skills in C++, Python
- Hands-on experience with integration of complex assemblies (electronics, sensors, DC motors,…)
- Proficiency with technical documentation production
- Good knowledge of space qualification process and constraints (and relevant ESA ECSS standards).

Candidates will have the following skills

- Flexibility and capacity to work in a fast-paced environment
- Ability to deal with multiple priorities and with a hands-on mentality
- Good analytical skills, organisation and capacity to grasp new concepts quickly
- Fluency in English (written and spoken).

What Do We Offer?

- Working in a growing company, with offices located in Belgium, the Netherlands and the USA
- A professional, pleasant atmosphere with motivated and passionate staff, where autonomy and initiatives are encouraged
- An interesting remuneration package with a relocation allowance, if applicable
- A full time employment position.

Preference will be given to candidates eligible to work in the European Union or in possession of a European Blue Card for two or more years. We are looking for someone to start **as soon as possible.**

The application deadline is **2nd February 2018.**

How To Apply?

- Click on the ‘’Apply’’ link for this position on our website: . http://www.spaceapplications.com/careers
- Include your CV and Motivation Letter (both in English) and send to jobs@spaceapplications.com
- For this position the contact person is **Mr. Jeremi Gancet.**

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