

Space Applications Services NV/SA Head Office is in Brussels, Europe with a subsidiary, Aerospace Applications North America Inc. in Houston, 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:

Software (Data Fusion) Robotics Engineer (M/F) 2018-014-BE-SYS-RMS-SRE

The successful candidate will be based at our main office at Sint-Stevens-Woluwe (Brussels Area) with limited international travels within Europe (and possibly to the USA) for short-term collaboration projects.

The position is in the Systems Department, Technologies, Applications & Research Division, Robotics, Mechanisms & Structures Team. The candidate will mainly report to the Team Lead and the Division Manager.

Tasks and Responsibilities

The scope of work will focus on the analysis, development, simulation and testing of multiple perception, localisation and mapping data fusion techniques for state and pose estimation for planetary rovers and orbital satellites (on-orbit servicing), and environment reconstruction within the scope of the H2020 InFuse Project and other robotics related projects.

Additional tasks may involve:

- Integration of developed software solutions on robotic platforms with project partners and in field campaigns
- Developing hardware setups to test and validate the software to tune techniques
- Supporting the end-to-end implementation, testing and optimisation on target robot architecture
- Generating the technical documentation required all along the process.

Qualifications and Experience

- 2 to 3 years' professional experience in robot based perception, localisation and mapping
- Strong programming skills (C++, Python) on Linux environment
- Experience with ROS (any further robotics middlewares would be desirable)
- Experience with space robotics (planetary and/or orbital) highly desirable
- Proficiency with image processing, feature extraction, model detection and tracking methods
- Proficiency with 3D point clouds, registration and model matching methods.

Candidates will have the following skills

- Flexibility and ability to work in a fast-paced environment
- Ability to deal with multiple priorities and projects
- Strength to cope with schedules and deadlines
- Ability to work in distributed international teams
- Excellent organisational and communication skills
- A proactive approach, with initiative and ability to work independently
- Excellent written and spoken English.

What Do We Offer?

- Working in a growing company, with offices located in Belgium, Germany, 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.

Candidates shall be 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 19th May 2018.

How To Apply?

- Click on the "Apply" link for this position on our website: 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 **Ms. Dinara Karimova**.

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