

Space Applications Services NV/SA performs system/software engineering for the European Space Agency (ESA), National Space Agencies and the aerospace industry. We are involved in international manned & unmanned space craft programme, earth observation, science, exploration, communications and related technology development. In the context of our growth, we are looking for a new colleague interested in working with us on a variety of complex projects and stimulated by our dynamism and international environment.

We have a vacancy for a person wishing to join the Robotics, Mechanisms & Structures Team in:

Mechanical Engineer – Space Robotics (M/F) **(ME-SYS-RMS-2017-06-HQ-002)**

Tasks and Responsibilities

- The candidate 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. He/she will report into the team leader.
- The work assignment will initially relate to the design and manufacturing of complex robotic components for space robotics applications (planetary and in space), in challenging ESA and EC funded projects. These projects in particular include (1) a novel concept of Moon exploration rover for volatiles (water ice) detection, and (2) the space grade design of payload components for Sierra Nevada Corporation's Dream Chaser. Tasks may involve:
- Analysing potential concepts and technologies for the mechanical structures to be designed, taking into account mission requirements.
- Carrying out trade-offs with rapid prototyping approaches for validation purpose.
- Carrying out end-to-end CAD modelling and preparing models for manufacturing.
- Supporting the end-to-end MAIT process for the designed components.
- 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 US) for short-term collaboration projects.

Qualifications and Experience

- CAD engineer with 2 to 5 years of professional experience in space robotics applications.
- Outstanding proficiency with CAD tools (example: Solidworks) and proven track record with complex components and mechanisms design.
- Excellent understanding of materials, tolerances, supply chains and COTS procurement for space products.
- Hands-on experience with integration of complex assemblies.
- Proficiency with technical documents production.
- Good knowledge of space qualification process and constraints (and relevant ESA ECSS standards).
- Very good command of spoken and written English (French or Dutch speaking native is an asset).

Candidates will have the following skills:

- Flexible and capable to work in a fast-paced environment.
- Ability to deal with multiple priorities and with a hands-on mentality.
- Good analytical skills, organised and the capacity to grasp new concepts quickly.

What Do We Offer?

- Working in a growing science and engineering company, with offices in Belgium, The Netherlands and the USA.
- A professional, pleasant atmosphere where autonomy and initiatives are encouraged and with various career growth opportunities.
- An interesting remuneration package and relocation allowance, if applicable.
- A full time employment position contract with immediate start date, if possible.

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.

How To Apply?

By clicking on the "Apply" link next to this position on our website <http://careers.spaceapplications.com/>. Make sure to include your CV **and** Motivation Letter (both in **English**) to the attention of Mr. **Jeremi Gancet**.

The application deadline is **15th November 2017**.

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