Space Applications Services is a company based in the Brussels area (BE) that provides products and services for the space sector in many areas from Avionics, Robotics, Human Exploration, Science and Earth Observation.

The successful candidate will be based in our main office at Sint-Stevens-Woluwe (Brussels Area). He/She will be assigned to designing, manufacturing and integrating advanced robotic components for space robotics applications (planetary and in space), in challenging ESA and EC funded projects.

The position is in the Systems Department, Robotics, Mechanisms and Structures (RMS) Team (comprises of 10 persons).

The candidate will mainly report to the RMS Team Lead.

Tasks and Responsibilities

- Analysing concepts and technologies for the devices to be designed, taking into account various trade-offs
- Carrying out end-to-end CAD modelling and preparing models for manufacturing
- Carrying out design trade-offs and early validation with rapid prototyping approaches
- Interacting with simulation engineer for the optimisation of the mechanical design
- Supporting the end-to-end MAIT process for the designed components and assemblies
- Generating the technical documentation required all along the process.

Qualifications and Experience

- Electro-/Mechanical engineering degree (Msc or PhD) with 3 to 5 years of professional experience in robotics applications
- Hands-on experience with integration of complex assemblies
- Outstanding proficiency with CAD tools (e.g. Solidworks) and proven track record of complex mechanisms design
- Excellent understanding of materials, tolerances, supply chains and COTS procurement, preferably for space products
- Good understanding of mechanical simulation and analyses (structural, thermal, vibration)
- Proficiency with technical documents production and mechanical design 2D-3D based drawings
- Good knowledge of:
  - The space engineering life cycle
  - Qualification process and constraints, as well as relevant ESA ECSS standards.
The successful candidate will have the following skills

• A proactive approach, with initiative and ability to work independently
• Ability to:
  • Synthesise, summarise and draw conclusions
  • Adhere to strict standards of confidentiality
  • Work in distributed international teams
• Strength to cope with schedules and deadlines
• Excellent organisational and communication skills
• Excellent written and spoken English.

What Do We Offer?

• Working in a growing company with Staff located in Belgium, Germany and the Netherlands
• 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 position with an indefinite contract of employment.

How To Apply?

Please send your CV and Motivation Letter (both in English) to jobs@spaceapplications.com, to the attention of Ms Dinara Karimova.

The candidate 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.