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 the support of the Robotics Team and Flight Systems Division for analysis and simulation of mechanical design, in challenging space related 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**

- Preparing simulation models in collaboration with the design engineers
- Performing mechanical simulation models such as structural, thermal and random vibration analyses
- Supporting design engineers in the conception improvement (mass and/or mechanism optimisation) and material choice, based on the analysis results
- Interacting with testing engineers for the results correlation and optimisation of the simulation models
- Providing general simulation expertise for the company activities, including calls of tender
- Continuous improving of the simulation tools and methodologies applied in the company
- Generating the technical documentation required all along the process.

**Qualifications and Experience**

- Mechanical engineering degree (Msc or PhD) with 3 to 5 years of professional experience in simulation
- Experience with CAD tools (e.g. Solidworks)
- Experience with MSC One software tools suite, more specifically Adams, Apex and Nastran
- Excellent understanding of materials and thermal management, preferably for space products
- Proficiency with technical documents production
- Good knowledge of:
  - The space engineering life cycle
  - Qualification process and constraints, as well as relevant ESA ECSS standards
  - Mechanical and thermal conceptions.
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.