

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).  
The position is in the Systems Department, Avionics & Embedded Systems Team (comprises of 4 persons).  
The candidate will mainly report to the Avionics & Embedded Systems Team Lead.

### Tasks and Responsibilities

- Electrical and electronics design of spacecraft payload
- Technical specification of electronics subsystems
- Design of PCBs according to ECSS and/or IPC Class 3, including analysis and simulation
- Selection, procurement and qualification of. COTS/HiRel electronics subsystems, EEE parts and PCB assemblies
- Preparation and performance of electrical testing campaign (e.g. functional, performance, EMC, ESD)
- Assessment of system reliability, failure modes and safety.

### Qualifications and Experience

- A Master Degree in electronics discipline
- A minimum of 3 years' experience in electrical/electronics engineering
- Proficiency in electrical/electronics hardware design and analysis
- Knowledgeable of networking protocols and data communication equipment (e.g. switches, routers, 802.3, TTE)
- Experience with PCB design tools (e.g. Altium Designer), impedance matching (e.g. microstrip, stripline), signal propagation delay, parasitics definition, crosstalk minimisation
- Knowledge of FPGAs, SoC and IP Cores (preferably in space industry).

Will be considered as an asset:

- Experience on payload development for ISS
- Experience with embedded systems (microcontroller and FPGA based), ECSS and/or IPC class 3 standards related to electrical and electronics systems design, manufacturing and testing
- Radiation SEU testing and FPGA circuit redundancy solutions (spatial, temporal redundancy etc.)
- Development of VHDL/Verilog for FPGAs and integrating IP cores in FPGA design.

### 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](mailto:jobs@spaceapplications.com), to the attention of Mr. Ilzkovitz.

**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.**