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

- Strength to cope with schedules and deadlines
- Ability to synthesise, summarise and draw conclusions
- Ability to adhere to strict standards of confidentiality
- 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 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 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.