

The Space Applications Services group has offices in Belgium (HQ), the Netherlands and the USA. We are a dynamic international group with 30 years experience in performing and supporting system and software engineering for the European Space Agency (ESA), National Space Agencies and the aerospace industry.

We work on international manned & unmanned spacecraft programmes, earth observation, science, exploration, communications and related technology development.

For the Belgian office we are looking for a 6 months intern.

## Internship - Human Machine Interface Design (M/F)

### 2018-007-BE-SYS-AES-INT

We offer a 6 months internship for an enthusiast student motivated to build a great working experience in our dynamic space-related international environment wishing to join the Avionics & Embedded Systems Team.

#### Tasks and Responsibilities

The chosen intern will join the Avionics & Embedded Systems Team (Technologies, Applications and Research Division, Systems Department). He/she will integrate the team of engineers developing the OAS Demonstrator Cockpit Mock-Up & Software and will report to the team leader.

The intern will most specifically support the development and the enhancement of the Cockpit Display System (CDS) Software. We are looking at a profile able to handle following activities:

- Development and implementation of the CDS Software with OAS source code and libraries
- Integration of the CDS Software within the whole OAS demonstrator SW and HW
- Support to the CDS GUI evaluation campaign with European Astronauts
- The position is located in our head office in the Brussels area and will involve collaboration with the Astronaut training centre in Germany.

#### Qualifications and Experience

- For this position you must be enrolled in a university training programme
- Ongoing university studies in Computer Sciences/Software Engineering or Aerospace Engineering discipline
- Passionated by the design of Human Machine Interfaces (HMI)
- Understanding the cognitive, behavioral, physiological and motivational aspects that affect the human performance
- Capable of leveraging the Human Factors/Ergonomics principles and concepts for the design of performant HMI
- Keywords: Human Factors/Ergonomics, Situational Awareness, Usability Assessment.
- Programming experience in C and/or C++ with Graphical User Interface (GUI) knowledge: VAPS XT, WXwidgets, GTK, Qt, is an asset
- Any other programming/scripting language is an asset: Python, Bash, Tcl,...
- Familiar with GNU/Linux Operating System
- Strong English language skills and ability to write documentation in English.

#### Candidates will have the following skills

- Fast learner
- Good communications skills, proactive
- Able to work in a team as well as able to work with limited supervision.

#### 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
- The internship foresees a reimbursement of travels and living expenses
- Availability of min. 6 months is required, we are seeking candidates who can start **as soon as possible**.

#### How To Apply?

- Click on the "Apply" link for this position on our website: <http://www.spaceapplications.com/careers>
  - Include your CV and Motivation Letter (both in English) and send to [jobs@spaceapplications.com](mailto:jobs@spaceapplications.com)
- For this position, the contact person is **Jeremi Gancet**.

**Space Applications Services NV/SA**  
Leuvensesteenweg 325  
1932 Sint-Stevens-Woluwe (Brussels area), Belgium  
Tel: +32 (0)2 721.54.84 - [www.spaceapplications.com](http://www.spaceapplications.com) & [www.icecubesservice.com](http://www.icecubesservice.com)