



Space Applications Services – Technical Lead – Robotics Software

Position

The successful candidate will join our Robotics Software Team and will contribute to the creation of standardised software stacks for deployment across both ground and aerial robotic systems.

The main objectives of the role are to lead the development of advanced navigation, perception, and control software, while also supporting the technical management of projects and interactions with customers and business stakeholders. The position offers the opportunity to work on multidisciplinary applications across terrestrial, space, maritime, and defence domains.

- **Location:** Sint-Stevens-Woluwe (Brussels Area)
- **Start date:** Quarter 2, 2026.

Tasks and Responsibilities

- Analyse requirements derived from use cases and perform design trade-off assessments
- Manage agile development tasks, conduct code reviews, and perform effort estimations
- Lead technical activities within the data fusion team related to navigation and control of ground and aerial robotic platforms
- Design robot software architectures, components, interfaces, and repository structures
- Implement end-to-end robotic software solutions, including testing, integration, and performance optimisation on target robot platforms
- Generate technical documentation and support business development activities by contributing to proposal

Skills and Experience

- A Masters or PhD in robotics, control, computer vision, computer science, software engineering or relevant field
- At least 5 years of demonstrable R&D and/or industrial experience in developing software for ground and/or aerial robots
- At least 2 years of demonstrable project management skills
- Strong background in:
 - Navigation – localisation, mapping, path & motion planning, kinematics, control & obstacle avoidance

- Computer vision, state estimation, sensor data fusion
- Very strong programming skills (C++, Python) on Linux environment, ROS/ROS2 and Git tools
- Experience with/in:
 - Electomechanical integration of sensors, drivers, calibration
 - Git version control tools, setup CI/CD process
- Fast learner and ability to adopt new technologies
- Available to be involved and support off-site activities in robotics tests and demonstrations
- Ability to work independently, guide junior engineers technically, define work scopes, effort, code reviews
- A good sense of responsibility, pro-activeness and results driven
- Fluent in English, both spoken and written with good skills in technical documentation delivery
- Capability to cope with ambitious schedules and deadlines.

Considered as Assets

- Agile methodology such as Scrum using tools such as JIRA
- Experience with:
 - Writing proposals for EC/ESA or commercial contracts
 - Technical management of team members
 - Designing software and system architecture using UML
 - Generating relevant data sets
 - Integrating and testing with robots
- Familiarity with and knowledge of:
 - Simulators or simulation frameworks (IssacSim, Gazebo..)
 - RTOS and/or GPU level programming
 - multi-robot cooperative navigation
 - Configuring wired/wireless networks and routing
 - DL frameworks (e.g. TensorFlow, PyTorch, Keras)

Our Offer

- Working within an exceptional sector with Staff located in Belgium, Germany and the Netherlands
- A professional and modern working environment with motivated Administrative Staff, Engineers, Astronaut Training Instructors and Scientists coming from all different horizons and countries with a common passion for space and their own expertise
- A full-time position with an indefinite contract of employment
- A competitive remuneration package and good working conditions
- Working from home in part can be a possibility
- An individualised training and development programmes.