Software Engineer for Satellite Navigation (d/m/f)

Reference Code 10465468 CS EN EXT 1

- Site:	Airbus Defence and Space Ottobrunn
- Target Group:	Professional staff - engineer
- Work Contract Type / Working Time:	Permanent contract / Full time
- Work Experience:	Mid-career (5+ to 10 years of experience)
- Functional Area:	ENGINEERING / Chief Engineering & Architecture
- Education:	

Airbus is a global leader in aeronautics, space and related services. In 2018 it generated revenues of € 64 billion and employed a workforce of around 134,000. Airbus offers the most comprehensive range of passenger airliners. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as one of the world's leading space companies. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide. Our people work with passion and determination to make the world a more connected, safer and smarter place. Taking pride in our work, we draw on each other's expertise and experience to achieve excellence. Our diversity and teamwork culture propel us to accomplish the extraordinary - on the ground, in the sky and in space.

Description of the job

A vacancy for a Software Engineer for Satellite Navigation (d/m/f) has arisen within Airbus Defence and Space in Ottobrunn.

The successful applicant will join "GNSS Applications" within "Navigation Solutions".

Tasks

What can you expect?

You will join the GNSS Applications department and contribute to the ongoing development of the PRS/OS SW Receiver and the End-To-End Navigation Simulator. In that role you will be involved in various GNSS activities where you will define, implement, and test navigation algorithms and features.

With more than 60 engineers and almost 20 years of experience, the Airbus Navigation Department is one of the leading expert groups in Europe for the development and implementation of the European satellite navigation systems EGNOS and Galileo.

In your daily activities you will:

o Support the development of Galileo PRS and OS software receivers, algorithms, and features
o Support the evolution of the Galileo system with respect to PRS/OS navigation signals and performance
o Operate and support the development of the End-To-End Navigation Simulator for navigation signals performance analysis
o Support the definition and development of new tools for navigation signals performance analysis
o Define, plan, and conduct testing activities in laboratory as well as measurements campaigns
o Interpret measured data and evaluate test results
o Support requirements derivation for the Galileo PRS and OS software receivers
o Create and maintain system engineering documents and technical reports
o Present the achieved results in front of national and international customers, industrial partners, technical meetings, symposia and conferences.
o Contribute to new ideas and applications related to satellite navigation on PRS related aspects

This job requires an awareness of any potential compliance risks and a commitment to act with integrity, as the foundation for the Company's success, reputation and sustainable growth.

Skills

We are looking for candidates with the following qualifications and experiences:

o Master's degree in an Engineering discipline such as Navigation, Real-Time Software, Telecommunication, Signal Processing, Electrical Engineering, or equivalent
o Good theoretical knowledge of satellite-based navigation systems, navigation signals, receiver architecture and performance
o Deep understanding of GNSS receiver technology and signal processing techniques inside GNSS receivers, such as acquisition, tracking, data demodulation, channel decoding, PVT computation, interference detection and mitigation
o Experience with INS integration, sensors fusion, and integrity/RAIM are considered an asset
o Proven experience in SW development and good knowledge of C++
o Ability to analyze complex technical problems and define innovative solutions
o Good communication skills and team working attitude. Capability to work in an international environment
o Fluent in English, German would be an asset

What do we offer!

o Challenging tasks with unique services and products
o Pleasant working atmosphere in a professional and international work environment
o Exciting development opportunities and perspectives
o Extensive company training offers (eLearning and Classroom Trainings)
o Flexible working hours
o Compatibility of work and family life
o Attractive remuneration
o Company Pension Scheme
o Good connections to public transport and local parking facilities
o Catering facilities on site

Contact

Please apply for this vacancy at our careers site (www.jobs.airbus-group.com) with your CV attached.

By submitting your CV or application you are consenting to Airbus Group using and storing information about you for monitoring purposes relating to your application or future employment. This information will only be used by Airbus Group.

Airbus is committed to achieving workforce diversity and creating an inclusive working environment. We welcome all applications irrespective of social and cultural background, age, gender, disability, sexual orientation or religious belief.