GNSS Navigation Software Engineer

Job Description

Thales Alenia Space people architect solutions that are relied upon to deliver operational advantage at every moment throughout a mission. Together we offer fantastic opportunities for committed employees to learn and develop their career with us. At Thales Alenia Space in Milan, we research, develop, and supply GNSS technology that impacts the lives of people each day to make life better, and keep us safer. Thales Alenia Space in Milan is European leader in the design, development and delivery of GPS/EGNOS/Galileo receivers for Space and Ground applications. We provide GNSS receivers for satellite orbit determination, for ground reference stations and for safety-critical user applications. We also provide navigation signal generation units of the Galileo satellites constellation and are actively involved in the evolution of EGNOS and Galileo programs.

You matter to us and that's why we offer you the flexibility to do what's important to you. Where possible, we support a working pattern that suits your lifestyle and helps you reach your ambitions.

Our GNSS team in Milan are looking for a GNSS Navigation Software Engineer to join them and take responsibility for analysis, design and development of navigation SW algorithms of their GNSS products. This is a great opportunity for engineers in Aerospace, Telecommunications, Electronics, Physics, Information Technology or equivalent scientific background.

Key duties:

You will be part of a team including System, HW, FPGA and SW engineers. Your duties will include:

- Definition of GNSS receiver navigation algorithms and architectures
- Algorithms specification, analysis, design, modeling and simulation of performance
- SW design, coding and test
- Definition of validation test plans, execution of test campaigns and analysis of results

You will interface the customer and you will collaborate with other Thales departments including project managers and HW/SW product engineering.

Skills, experience and qualifications required:

- Laurea Magistrale or Master degree or relevant work experience
- Knowledge of Satellite Navigation Systems and signals (GPS, EGNOS, Galileo)
- Knowledge of GNSS signals and signal processing
- Knowledge of optimal estimation methods and orbital dynamics
- Knowledge and experience in the use of modeling tools such as Matlab/Simulink
- Previous experience in SW C-programming
- Knowledge of GNSS receivers and other navigation sensors
- Organized and methodical with strong communication skills
- Able to manage multiple tasks at one time, to work autonomously or in team
- Attitude to problem solving and to achieve results within time and cost constraints
- Good knowledge of English in writing and speaking
- Eligible for Italian National Security clearance

To apply:

If you recognize yourself in the above description and are keen to work in a company with a diverse and complex product range then please apply. At Thales Alenia Space we provide careers and not only jobs. Our mobility policy also enables employees to develop their careers both at home or abroad in various European sites.
Great journeys start here, apply now!

Contact:

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