



Integrated Navigation Engineer

Fugro Intersite B.V. Leidschendam, Netherlands

Fugro Intersite B.V. is part of Fugro N.V. (listed on the Amsterdam stock exchange, 12.000 fte) and develops and produces among other things state of the art positioning systems for maritime use both above and beneath sea level using a wide variety of techniques like satellite navigation, INS and computer vision. Our systems are used by oil companies and gas companies, dredging firms and construction companies. In our group (60 fte) we are continuously active with developing new software and hardware for our products.

Our INS team is active in the area of navigation system engineering and design. For this team, we are looking for a motivated, hands-on problem solver with focus on the algorithmic part of the development. You will contribute to the development, programming, implementation and testing of new applications based on INS and data integration (sensor based on different technologies: GNSS, Doppler, acoustics and vision).

This work will mainly include: development of aiding/alignment methods, sensor/components validation and integration with the system, hardware/software integration testing and performance analysis. You will work mainly as a part of the INS team but depending on projects you will closely interact with other teams and matter experts as well.

Position requirements

- Master in Applied Mathematics, Physics, Electronics, Aerospace Engineering or similar
- 5 – 10 years working experience in scientific environment or industry
- Knowledge of optimal estimation theory and analysis of random processes such as Kalman filters or other Bayesian techniques
- Knowledge of noise analysis methods, stochastic modeling of sensors errors and incorporation error terms into system models (preferably experience with error modeling related to IMU sensors)
- Knowledge of navigation kinematics
- Programming skills in Python or Matlab, some experience with C++ or C# would be a plus
- Strong ambition to further develop in C#
- Ability to take ownership of problems and deliver results
- Good communication skills
- Good English

What we offer

- Competitive remunerations and employment conditions such as: good pension, travel expenses and discount on collective medical insurance and fitness
- Interesting projects and diverse work
- Room for own initiative
- Ability for self-development through education/courses and international experiences
- Pleasant work environment with enthusiastic, motivated and international colleagues
- Flexible working hours
- If required we support you with administration, housing and moving to the Netherlands

Further information

If this is your job and you have the knowledge we are looking for please apply or contact Paul Eliëns, Technical Recruiter, telephone: +31 (0)70 - 3 170 519 or +31 (0)6 - 1586 2822.