



Trimble is an exciting, entrepreneurial company, with a history of exceptional growth coupled with a disciplined and strategic focus on being the best. While GPS is at our core, we have grown beyond this technology to embrace other sophisticated positioning technologies and, in doing so; we are changing the way the world works. Our solutions are used in over 140 countries and we have incredibly diverse lines of business.

GNSS/INS Navigation Engineer (m/f/d)

Position Overview:

The navigation engineer develops, implements, analyzes and maintains positioning algorithms for collision avoidance, assisted driving, and autonomous vehicle applications. These navigation algorithms blend inputs from multiple sources (GNSS, inertial sensors, vehicle dynamics, precision maps, and vision system inputs) to robustly locate a vehicle to sub-meter levels of accuracy. Working in a small team environment and collaborating with several Trimble divisions, the navigation engineer enjoys broad exposure to the complete product life cycle, from concept creation through implementation, qualification, and production phases. This is not a pure research role. The navigation engineer will see their work reach production and generate revenue.

Key Responsibilities are:

- Analyzing and characterizing sensor and GNSS measurements
- Developing navigation Kalman filters fusing measurements from numerous sources
- Establishing navigation performance metrics and evaluation tools
- Implementing models and filters in software suitable for embedded systems

Desired Skills & Experience:

- A Master's or Ph.D. degree in a related engineering discipline, an applied science such as Physics, or in applied mathematics. An undergraduate degree with years of relevant experience is also acceptable.
- Strong analytical and math skills and comfort with mathematical modeling tools such as Matlab.
- Experience with GNSS/INS navigation in aerospace, defense, aeronautics, marine, or other inertial navigation applications.
- Familiarity with automotive-grade inertial sensors
- Experience implementing algorithms and models in software using C or C++ programming languages.
- A background in developing positioning technology for automotive applications would also be beneficial.

We offer:

- The thrilling opportunity to join our innovation driven R&D team focused on developing new software products
- An inspiring work culture in an international team of experts with more than 80 colleagues from 20 countries
- A long-term, secure position with an equitable compensation, Profit Sharing and Stock Purchase Plan
- Modern workplaces with qualitative tools and flexible working hours
- Free membership in Munich's prime fitness studios and weekly business workout on site



Bring your specialized skills and entrepreneurial spirit and make your future with us in this newly created position based at our R&D center in Höhenkirchen near Munich, Germany. We are looking forward to your application!

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