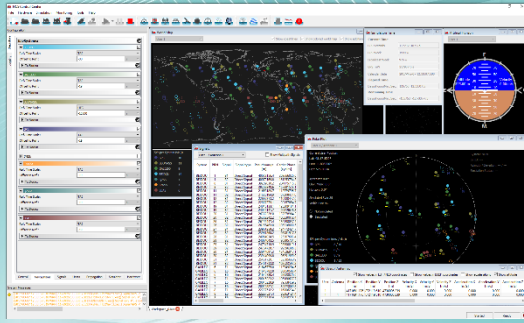


NCS NOVA RF GNSS Signal Simulator Platform - The next generation



IFEN GmbH is a leading innovator in GNSS technologies, products and services. Due to strong market demands in the research, automotive and aerospace markets, IFEN is expanding its development team.

People are the key to our success. Therefore, we seek and retain talented, passionate individuals who are positioned to achieve job satisfaction in an open working atmosphere. IFEN GmbH offers competitive salaries, comprehensive benefits and an environment that supports creativity, open communication and teamwork. The successful candidate will work in the 'Simulation Innovations & Products' group to design next generation of GNSS RF SDR signal generation platform STX, the SDR platform for the new NOVA signal generator.

GNSS Signal Generation SW Engineer (f/m)

Bachelors, Masters or Diploma degree level in information sciences or equivalent experience.

Your Responsibilities

- Design, development and implementation of advanced high-performance GNSS signal generation algorithms on INTEL-PC platform using advanced hardware acceleration architecture
- Algorithm and software development for next generation of STX signal generation software platform
- Optimized implementation in C++/AVX on latest INTEL i7-9000 multi-core platforms
- Documentation from specification, architecture and design up to test definition and test reports
- Definition, design and implementation of unit and system tests

Your Skills

- Excellent knowledge in signal generation (GNSS baseband signals, interference,..) algorithms
- Excellent knowledge in GNSS signal design (modulations, pulse shapes, coding types, multiplexing)
- Excellent signal programming skills in C/C++ (Windows)
- Good knowledge of Intel-based SIMD/AVX software acceleration programming
- Preferable knowledge in NVIDIA CUDA software acceleration programming
- Experience with configuration management, continuous integration and automated SW testing
- Very good written and spoken German and English language skills
- Ability to grasp and learn new concepts quickly and efficiently
- Structured and quality driven working approach

Application

Please forward your resume via email to careers@ifen.com or by mail to

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