

SRX/STX GNSS Software-Defined-Radio – The Next Generation



IFEN GmbH is a leading innovator in GNSS technologies, products and services. Due to development of the Galileo 2nd generation Test User Receiver and Signal Generator, 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 'GNSS Receiver Group' or 'GNSS Simulator Group' to design and develop the next generation of GNSS RF software-defined radio technologies and products.

GNSS Signals Software-Engineer (f/m/d)

Bachelor, Master or Diploma degree in communications engineering, information sciences or equivalent experience

Your Responsibilities

- Design and development of advanced GNSS signal processing algorithms and software in C++
- Enhancement of 'SRX' SDR and 'SX' software GNSS receiver products
- Enhancement of 'STX' Software-Defined-Radio platform for 'NOVA' and 'HELIX' signal generator products
- Profile and optimize critical code sections for real-time processing
- Integration and test of complete GNSS SDR platform using suited RF test tools

Your Skills

- Excellent knowledge in signal generation and processing (GNSS baseband signals,...) algorithms
- Good knowledge in GNSS signal design (modulations, pulse shapes, coding types, multiplexing)
- More than 3 years of signal programming proficiency in C/C++ (Linux and Windows)
- Good knowledge of SIMD/AVX software acceleration programming
- Good knowledge of Matlab tool
- 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
- Capacity to approach challenges with a positive attitude and open mind as a team player
- 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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