

SRX - GNSS SDR Receiver Platform - 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 based on the SRX receiver platform, 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 the 'GNSS Receiver Group' to design and develop the next generation of GNSS RF software-defined receiver technologies and products.

GNSS Receiver HW/FPGA/SW Engineer

Bachelor, Master or Diploma degree in electrical/communications engineering or equivalent experience

Your Responsibilities

- Design, development and testing of next generation GNSS receiver HW PCB-platform
- Design, development and implementation of GNSS signal processing algorithms on XILINX ZYNQ Ultrascale+ and ACAP Versal SoC platform (VHDL and embedded C++ on Linux/ARM)
- Profile and optimize code sections for real-time signal processing
- Integration of complete GNSS SDR receiver platform and test using suited RF test tools
- Documentation from specification, architecture and design up to test definition and test reports

Your Skills

- Good knowledge in high-density PCB HW design (preferably using Altium Designer)
- Excellent programming skills in VHDL (preferably using Vivado Suite)
- Good programming skills in C/C++ for embedded Linux software (signal processing)
- Good knowledge of Linux-based development tool and tool chains on embedded platforms
- Good knowledge in GNSS receiver signal processing (acquisition, tracking) is a plus
- Experience with configuration management, continuous integration and automated SW testing
- 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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