GNSS SDR RX Receiver Platform – The next generation SRX platform

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 'Receiver Innovations & Products' group to design and develop the next generation of GNSS RF software-defined receiver technologies and products.

GNSS FPGA Receiver System Engineer (f/m)

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

Your Responsibilities

- Design, development and implementation of advanced high-performance GNSS signal processing algorithms on XILINX Ultra-Zynq/VERSA SoC platform for next generation 'SRX' receiver platform
- Profile and optimize critical code sections for real-time processing
- Integration and test of complete GNSS SDR receiver platform using suited RF test tools
- Documentation from specification, architecture and design up to test definition and test reports

Your Skills

- Excellent knowledge in receiver signal processing (acquisition, tracking, interference/multipath detection)
- Good knowledge in GNSS signal design (modulations, pulse shapes, coding types, multiplexing)
- Knowledge of RTK/PPP algorithms is a plus
- Excellent programming skills in VHDL
- Good programming skills in C/C++ for embedded Linux software (signal processing, PVT processing)
- PCB HW design experience is a plus
- Experience with configuration management, continuous integration and automated testing
- Very good written and spoken English language skill
- Preferably good written and spoken German language skill
- 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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