

Senior FPGA Developer

Cognovo is a company formed with the vision of changing the cellular and wireless industries through the creation of a new Software Defined Modem Platform targeted at mobile handsets. This flexible platform is built around Cognovo's new Vector Signal Processing engine which, together with its associated vectorising compiler and suite of software tools, enable our licensed customers to create high performance multimode chipset solutions for LTE and beyond.

Our development activities in Leuven are focused upon the creation of the vector signal processor and its associated compiler. We are currently expanding our development teams and are seeking to recruit a number of experienced engineers into our Leuven lab.

Responsibility

- Detailed design and implementation of the Cognovo hardware architecture onto an FPGA platform
- Taking an active role in the system-level validation: analysing and resolving any problems found
- Development and specification of custom interface cards and drivers for the platform

Qualifications

- Good university degree in Electronics or Communications Engineering, Computing, Physics, Maths or related technical subject or equivalent experience.

Work Experience

- This role is suitable for someone of first or higher degree calibre with solid experience in the creation of FPGA software development platforms
- Proven experience in hardware design, coding and validation
- Proven experience with FPGA platforms

Skills and Knowledge

Essential

- (System) Verilog
- FPGA specific knowledge (Synopsys HAPS boards, ARM RVI and RVT, Synopsys Certify)
- Knowledge of hardware engineering methodologies (specification, design, coding, and test)

Highly Desirable

- Experience with PCB design for custom I/O
- Interest in computing and communications technologies
- Experience with ASIC implementation (RTL to GDSII) is a bonus

Personal Qualities

- Self motivated and able to make progress with minimal supervision
- Ability to analyse in depth

- Methodical problem solver
- Finisher / Completer
- Ability to work within a team environment
- Able to prioritise and work within tight time scales in order to meet deadlines
- Willingness to travel in UK and other countries as necessary
- Good oral and written communication skills
- Good people skills
- Confident and enthusiastic
- Ability to multi-task