

## Senior Hardware IP Verification Engineer

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 verification of the Cognovo hardware architecture
- Specification and development of test suites and scripts for unit testing and system level testing of the base system
- Taking an active role in the system-level validation: analysing and resolving any problems found

### 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 development and verification of ASIC designs
- Proven experience in hardware design, coding and validation

### Skills and Knowledge

#### Essential

- (System) Verilog
- ASIC verification methodologies and tools (assertion-based verification, constrained random testing, directed testing, ...)
- Knowledge of hardware engineering methodologies (specification, design, coding, and test)

#### Highly Desirable

- Knowledgeable about low-power techniques and high-speed design
- Interest in computing and communications technologies
- Experience with C and embedded programming 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