

Senior Simulation Model 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

- The Senior Simulation Model Engineer operates in a team developing and maintaining the Cognovo System Software Development Kit (system SDK). This SDK consists of a system design tool, Visualization tool, a system model, a runtime library, and IDE.
- Taking an active role in developing fast simulation models for Cognovo's reference architecture solution for SDR.

Qualifications

- Masters Degree in Electrical Engineering or Computer Science.

Work Experience

- This role is suitable for someone with minimum 4 years of relevant professional experience.
- Proven experience in development of simulation models for hardware systems
- Proven experience in object oriented software design, coding and validation

Skills and Knowledge

Essential

- Excellent knowledge of the ANSI-C and C++ programming language.
- Experienced in writing/creating/using simulation models for hardware DSP components and systems.
- Good written and oral communications skills in English.
- Excellent knowledge of DSP hardware components and systems

Highly Desirable

- Experience with ARM's FastModel technology (cfr. LISA)
- Familiarity with EDA-tool development in general
- Ability to present progress and development requirements to senior management and external audiences
- Interest in/experience with mobile communication applications