Job Opportunity: FPGA/Firmware Engineer

Celestia Satellite Test & Simulation BV (C-STS) provides innovative high-tech solutions to the international space community to support spacecraft development, Assembly Integration and Test (AIT) as well as post launch and operational services. C-STS operates from Noordwijk, The Netherlands.

What we do:
Our core activities include the design, development and support of high-complexity electronics-based systems. These include products for Satellite Simulation & Test (Electrical Ground Support Equipment), TTC & TM/TC Systems, Modems (RF and Optical) as well as Data Processing Systems.

For more information about our company, our products and activities have a look at our website: www.celestia-sts.com.

Who are we looking for:
We are looking for a **FPGA/Firmware Engineer** to strengthen our existing team of talented engineers. You will be responsible for the design, implementation and testing of firmware (VHDL) used in our data processing and optical modem products.

What will be your challenges:
- Requirements and architecture analysis, interface definition, (functional) decomposition and mapping the architecture down to component/FPGA level
- VHDL design, implementation (coding) and simulation
- Integration and verification of the firmware design on the hardware
- Regular interaction with other disciplines, such as (embedded) software engineers, hardware design engineers and project management
- Supporting the test team during the product qualification activities
- Documenting the design, simulation, verification results and interface control documents

What we ask from you:
- Electronics engineering degree (B.Sc. or higher)
- At least 2-year experience in FPGA/Firmware development
- Hands-on experience in writing VHDL, synthesis, timing verification
- Hands-on experience with OSVVM is an advantage
- Experience in high-speed digital circuitry and associated interfaces and processing
- Good team worker, pro-active and hands-on
- Good English verbal and written communication skills in multi-disciplinary project teams
- Experience/knowledge in on-hardware validation using lab test equipment is an advantage
- Experience/knowledge in modulation, coding and other DSP techniques is an advantage
- Experience/knowledge in (aero)space business is an advantage

We offer you the opportunity to:
- Work on the future of satellite communication in free-space optics
- Work in a company that is widely recognised as 'best-in-class' in the fields in which it operates
- Work together with a bright team of like-minded people, consisting of hardware, firmware and (embedded) software engineers
- Work on challenging projects, growing your own skills and experiences along the way

For a practical and motivated individual, this position will offer an exciting challenge where you can contribute directly to the growth of this quality-driven, dynamic organization.
This role is limited to applicants currently based in Europe and legally authorized to work in the EU/EEA. We appreciate your understanding.

If you are interested, we welcome you to contact us via email: employment@celestia-sts.com.