

Senior Digital Design Engineer, MTS

Job Description:

Icron, a Maxim integrated company, is seeking a **Senior Digital Design Engineer (Member of Technical Staff, MTS)**. The successful candidate will have 8+ years of experience developing data communications ASIC's and FPGA's to assist in our continued growth and contribute to our future developments.

The successful candidate will actively participate in design, development, verification, release and documentation on new products combining Icron's patented USB bridging technology and extending video, working as a key contributor to our development efforts. Responsibilities may include, but are not limited to:

- Working with a principle engineer on the development of USB 3, Video and data communications protocols for various extension technologies
- Developing and running block level specifications using System-Verilog and UVM test methodology
- Produce technical documentation including requirement specifications, test specification and functional description
- Design Reviews of ASIC/FPGA designs and System-Verilog implementation
- Participate in peer design reviews as required
- Maintaining existing products

Requirements

- BS or MS in Electrical Engineering or Computer Science
- Experience developing ASIC's and productizing FPGA's
- Experience working on High-speed digital system design using Ethernet, USB3/PCI and/or other high-speed digital interfaces
- Working knowledge of IC Design front end flows and EDA tools (Design and Functional Verification)
 - Intimate knowledge of Xilinx and Mentor Graphics design tools
- Expert in System-Verilog for synthesis
- Experience in UVM (or similar) test bench generation
- Demonstrated competency in laboratory validation and debugging skills
- Integration of third-party IP and design reuse

Requirements continued:

- Demonstrated knowledge of Xilinx FPGA Devices
- Ability to work and contribute effectively in a team environment
- Excellent Problem solving and Analytical skills
- Organization and time management skills
- Minimum 8 years of directly related experience

Assets:

- USB and audio/video related development experience
- Experience with C/C++ desired
- Experience in Python, TCL, PERL

Position Type: Full-time, 1-year contract

Percentage of Travel No

Relocation Assistance Available No

Visa Sponsorship Available No

Application Instructions:

Apply directly to our recruiting agency by emailing your resume and cover letter to sam@sultanete.com and be sure to include the job title "Senior Digital Design Engineer, MTS" in your subject line.