



Senior Hardware Design Engineer

Ref: MS-JDS-HDE-201604

Title: Senior Hardware Design Engineer

Reports to: Project manager and Director

Based at: MetaSensing BV, Noordwijk, Netherlands. Possible relocation in Malaga, Spain or Cassino, Italy

Job purpose: Lead the development of integrated radar systems

Job description:

MetaSensing is looking for a Senior Hardware Design engineer to lead the development of RF, analog and high speed digital printed circuit board designs for advanced radar systems, from concept to prototyping and manufacture. The ideal candidate is a self-motivated engineer who wants to take on the challenge of designing and building the hardware platforms for the new series of highly integrated, high resolution and low cost radar sensors.

Job Duties:

- All aspects of the product management/development cycle, including definition, implementation, management and release to manufacturing of boards and systems.
- Understanding and capturing product requirements
- Work directly with RF and FPGA Design Engineers for Schematic capture, PCB layout, component selection
- Designing Digital, Analog and RF multi-layer printed circuit boards.
- Lab measurements and prototype debugging.

Essential Skills and Experience

- Master degree in electronics engineering.
- A minimum of 8 years of experience in schematic capture and PCB layout for analog, digital and RF circuits
- Experience with hardware bring-up and validation
- Experience in lab debug for hardware/software issues
- Analog Front End (ADC's, DAC's, Filters, LO, Frequency Synthesizers, Mixers)
- Design with high speed DDR SDRAM memory interfaces

Desirable Skills and Experience

- Design with Ethernet phy interfaces
- Design with Xilinx FPGA
- Signal Integrity Analysis for high speed differential links
- Power Integrity Analysis, EMC Analysis, Thermal Analysis,
- FPGA logic design using System Verilog

Company Description:

MetaSensing BV is a Dutch SME which provides advanced radar solutions. MetaSensing BV designs, manufactures and operates radar sensors (airborne SAR and ground-based) at different frequencies for a large variety of applications.

MetaSensing's sensors are compact, light-weight and high resolution providing the most cost effective solutions for detection, mapping, surveillance and imaging to governments, universities and commercial companies.

Employment Duration: The employment has a standard duration of two years with possibility of extension. The starting date will be agreed with the candidate, however an early start is desirable.

If interested, please send an email with your CV and cover letter to info@metasensing.com with subject Ref: MS-JDS-HDE-201604

Opening date: 08/04/2016