Job Offer

Job Title   Digital IC design engineer

Contract type permanent

Starting Date immediately

Location   Paris, Caen, Grenoble - FRANCE

Job function   SCALINX's design team is seeking a dynamic and highly motivated Digital IC design engineer who will participate to the design of a new generation of CMOS analog front-end (AFE) IC. The candidate will be particularly involved in the architecture definition, design and validation on silicon of the digital signal processing part of the AFE in close collaboration with the mixed-signal IC design engineers.

Work description

- Define the hardware architecture of the digital signal processing (DSP) part
- System-level modeling and simulation of the DSP part
- Description, simulation and validation using a RTL description language (VHDL or Verilog)
- Synthesis including testability, place and route, floor planning and timing analysis
- Test the fabricated IC prototype in our measurement lab
- Work in team to successfully design a state-of-the art IC
- Participate to design reviews
- Write documentation

Qualification and Experience

- You have at least five years of experience in the semiconductor industry
- You have a proven track record of digital ASIC or/and IP blocks
- You have designed digital processing functions for Mixed-Signal ICs such as A/D Converters, D/A Converters, and/or RF transceivers
- You have a solid background in semiconductor physics and signal processing
- You have knowledge of a digital hardware description languages (VHDL or Verilog) and programing languages (python, C)
- You demonstrate good analytical and problem-solving skills
- A previous experience with Cadence ASIC design flow is necessary
- A previous experience with FPGA is a plus
- You are a team player with a critical attitude and sense of initiative
- You communicate fluently in English (oral and written)

SCALINX

THE MIXED-SIGNAL IC COMPANY

How to apply

If you have a passion for IC design and the ambition to create something different, it will be a great pleasure to receive your resume at **jobs@scalinx.com**

About SCALINX

SCALINX is a fabless semiconductor company designing state-of-the-art Analog, Mixed-Signal & RF Integrated Circuits and Intellectual Property blocks for the Aerospace/Defense, Industrial and Communications markets. Our core business is to provide tailored solutions to OEMs and semiconductor companies developing high-end circuits and systems with ultra-low power requirements and reduced Bill of Material.

Our expertise spans from the sensor interface to the digital interface. SCALINX's IC design team has a cumulated expertise of more than 250 years in the semiconductor industry with a proven track record of first-time-right tape-outs that led to many successful business stories.

To learn more about SCALINX, visit our web site www.scalinx.com