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Senior Analog IC designer (11776214)

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Primary Location FR-Midi-Pyrénées-Haute-Garonne-Toulouse (ZFR11)

Job IC Design

Education Level Master's Degree

Job Type Experienced

Is It Temporary Contract?: No

Description

The Division Analog Mixed signal and Power Division (AMPD) of Freescale focuses on high performance analog electronic solutions for the automotive sector.

The AMPD Europe Design Centre, based in Toulouse, produces "Smartpower ICs" with highly integrated solutions for various applications involving analog, analog-digital and power electronics.

The Design Center consists of a group of more than 40 Design Engineers who are highly experienced in analog and mixed analog-digital design.

Within a project team, consisting of 3 to 8 Design Engineers, you are responsible for the design of transistor-level analog integrated circuits for highly renowned international manufacturers and equipment suppliers; each of which having their own unique cultures and work practices.

You have responsibility of translating a specification into an electronic schematic by using the various technology library components (MOS, Bipolar, resistors, capacitors...).

You work in close partnership with our customers to find the best design compromise throughout project; beginning with the definition of the specifications and ending with the presentation of the technical solutions to the customers.

You complete electrical simulation according to the customer application schematic, with variation of condition parameters, to validate your circuit design.

You validate the routing of your circuit at the layout stage.

When the first silicon samples are available, you measure the functionality and performance of the circuit.

You modify the circuit until the device corresponds completely to the Customer application/requirements, and you continue to provide Design support during the Qualification phase of the project.

To be able to fulfill your missions you are able to rely on a strong collaboration within the Design group but also from all the other technical groups within Freescale.

Qualifications:

You already have 7+ years of analog IC design experience

Knowledge of the Cadence IC tools. Matlab is an advantage.

Proven experience with IC in the following domain:

Power management, Actuator drivers, physical layers, Sensor interface....

and / or

Low voltage signal processing theory and implementation, including data conversion, switched capacitors design...

The position requires continuous contact with the customer, good communication, including English, skills are therefore imperative;

Within human sized project teams and working in a strong technical biased environment, you will develop your competences and will have the opportunities of evolving in both technical or project responsibilities.

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