



Senior / Mid / Entry Level Engineer – Analog IC / Digital ASIC Design

ASI - Advanced Semiconductor Integrations Limited

Shatin Area

Posted on 12-Oct-21

Job Highlights

International Semiconductor Fabless IC Company

IC Design/Analog/Digital/Sensor/Circuit/Semi

100% work in HKSTP. Attractive Benefit & Bonus

Job Description

Job Responsibilities:

Design custom Analog IC, Digital ASIC, Mixed-Mode IC, Sensor IC using advanced circuits and technologies.

Our products are used in consumer, medical and automotive areas.

For analog design flow, you will be designing IC from concept, to design, to simulation, to layout, to prototyping, to fabrication, to evaluation.

For digital design flow, you will be designing ASIC from concept, to design, to FPGA prototyping, to prototype testing, to ASIC synthesis place and route layout, to fabrication, to evaluation.

Responsibility for the overall design from an architectural specification, schematic design for analog, RTL design for digital, simulations, custom layout for analog, synthesis and timing constraints for digital, all the way to full-chip tapeout.

This position involves 100% work in HK.

Job Requirements:

Bachelor, Master or Ph.D. degree in EE

You must understand the basic device physics, have the ability to develop and use advanced linear and nonlinear models to translate between the model, simulation, physical implementation, and the measured performance of a device.

Essential to understand integrated circuits theory and translate them into performance circuit functions.

Good track record of silicon experience will be an advantage.

For analog, knowledge of advanced circuits such as Filter, OpAmp, ADCs, DACs, switched-capacitors circuits, drivers, noise, bandwidth.

Knowledge of Layout, Electromigration, Matching, Inductance voltage bouncing, Tapeout, etc.

For digital, logic design experience using Verilog. Experience with architecture, specs, documentation, coding in Verilog and debugging.

Experience in full ASIC design flows

Experience with Analog IC or Digital ASIC evaluation and testing

Additional Information

Qualification

Degree

Yr(s) of Exp

1 year

Employment Type

Contract, Full Time, Internship, Part Time, Permanent

Job Function

Design > Industrial / Product

Engineering > Electrical / Electronics

Sciences, Lab, R&D > Research & Development (R&D)

Company Overview

ASI is a multinational fabless semiconductor company. We are located in Hong Kong Science Park. Our company has locations in US silicon valley and Asia.

Our technical leaders have 25+ years experience in designing Low-Voltage and Low-Power Analog IC, Mixed-Mode IC, Sensor IC and ASIC.

Our designs and technologies have been successfully used in an estimated 1 billion chips/devices.

Our customers include US, Japan, China, Europe and Asia companies spanning in consumer, medical and industrial applications.

We invite you to be a part of the design team. Please visit www.advsemint.com or contact us at contact@advsemint.com

Additional Company Information

Industry

[Engineering - Electrical / Electronic / Mechanical](#)

Benefits & Others

Dental insurance, Five-day work week, Flexible working hours, Life insurance, Performance bonus