



Ridgetop Group, Inc.
6595 North Oracle Road
Tucson, AZ 85704

Phone: (520) 742-3300
www.RidgetopGroup.com

Senior Analog Design Engineer

JOB DESCRIPTION

For this position, the Engineer will perform integrated circuit design functions, primarily associated with analog and RF functionalities. This requires a minimum of 5 years experience designing various ASIC components including; Data converters, Power Amps, Mixers, LNA's, PLL's and/or transceivers. The Engineer will be familiar with EDA tool environments and various semiconductor processes including CMOS, CMOS/SOI, and SiGe. The necessary design skills focus on fault tolerant applications for harsh environments and must reflect the impact of radiation effects, degradation, and various noise contributions.

The Engineer will coordinate and manage design efforts for development and support of reliability test structures and other IP associated with Ridgetop core products. As well, the Engineer must participate in the writing of cost proposals and technical abstracts. Other responsibilities include the configuration and management of design automation environment and maintenance of PDK libraries. Frequent customer and vendor interactions are also part of this position.

QUALIFICATIONS AND REQUIREMENTS

- Demonstrated experience with RFIC designs.
- Familiarity with EDA tools for Analog and RF Design.
- Familiarity with different semiconductor technologies (CMOS, SiGe, GaAs, SiC)
- Familiarity with Programming languages such as C or C++
- MSEE required, with PhD desirable.
- Ability to communicate well with co-workers, customers, and vendors and to thoroughly document designs. Ability to travel in the USA and Internationally.
- Ability to write research grant proposals.
- Ability to function well as a key contributor in a small group environment is important.
- Eligible for security clearance

Due to the nature of the projects we work on, US citizenship or legal permanent US residency status is Mandatory.

JOB TERMS

This is a full-time (40-hours per week) position on-site in Tucson, Arizona.

COMPENSATION

Ridgetop offers significant growth opportunities, and a competitive compensation and benefits package, including stock options, medical, dental and disability insurance, tuition reimbursement, and an employer-matched retirement plan.