

Job Title: Mixed-Signal IC Design Engineer (Entry Level)

Job Description: Senseseeker Engineering is looking for an entry-level mixed-signal integrated circuit (IC) design engineer to contribute to the design of image sensors and related integrated circuits. Duties will include mixed-signal IC design, simulation, layout, and verification, Verilog/Verilog-A behavioral modeling, contributing novel ideas to the company's IP portfolio, keeping up with the state-of-the art and maintaining good written documentation. The candidate should be comfortable working in a relaxed small business environment.

Work Experience: 0 - 5 years

Required Education: Master's degree in electrical engineering or physics with emphasis in analog or mixed-signal IC design.

Preferred Education: Master's degree or Ph.D. in electrical engineering with research experience in image sensors or advanced mixed-signal circuits.

Required Attributes:

- US person status *required* for this position, pursuant to the terms of government contracts with Senseseeker*
- Excellent teamwork skills, good written and verbal communication
- Organized and methodical design, layout and documentation
- Strong interest in integrated circuits and design techniques
- CMOS design, simulation and analysis of amplifiers, switched-capacitor circuits, converters and I/O
- Successful execution of mixed-signal layouts, parasitic extractions and layout improvements
- Verilog/Verilog-A behavioral modeling

Desired Attributes:

- Practical design experience with tight signal chains, ADCs and image sensing readout ICs
- Analog temporal and spatial circuit noise analysis
- Comfortable with multiple IC design CAD tools and foundry PDKs
- Working knowledge of IC test and data analysis
- Experience with Mentor Tanner / Calibre design flow

Job Type and Location: Full-time in Goleta, CA, USA

Benefits: Competitive compensation, growth opportunity, flexible schedule, relaxed working environment, located in a great beachside community

Send your resume to careers@senseseeker.com

* This position requires work on projects which are protected under US ITAR laws, consequently, *only US Persons will be considered for this position by law*. For this purpose, the term "US person" means an individual who is a citizen of the United States, a lawful permanent resident alien of the US (e.g., a "Green Card" holder), a refugee, or someone in the US as a protected political asylee, or under amnesty.

Senseseeker Engineering Inc. provides silicon IP, IC and image sensor design and systems engineering all targeted at the unique needs of the scientific and infrared image sensor community. We specialize in the design of digital imaging sensors and readout integrated circuits for hybrid image sensing arrays. We are located in the beautiful Santa Barbara, CA, area amid the west coast's hub of infrared and scientific image sensor companies. For more information see www.senseseeker.com.

Senseseeker Engineering Inc. is an equal opportunity employer and considers qualified applications for employment without regard to sexual orientation, gender identity, gender expression, race, color, sex, creed, religion, national origin, age, disability, veteran status, or any other protected class.