

Principal Mixed-Signal IC Design Engineer

Job Description: Senseker Corp is looking for a principal integrated circuit (IC) design engineer to join our IC design team and take on mixed-signal design of CMOS image sensors and related integrated circuits in 65 nm to 180 nm processes. Responsibilities will include digital and analog IC design, simulation, layout and verification, Verilog/Verilog-A behavioral modeling, contributing novel ideas to the company's IP portfolio, interfacing with customers, keeping up with the state-of-the art, and maintaining good written documentation. You will also help improve our EDA tool flow and efficiency. You should be comfortable working in a relaxed small business environment and understand how to get tasks accomplished independently when needed.

Required Education and Experience: MS in Electrical Engineering with at least 10 years of industry experience in IC design or PhD in Electrical Engineering with at least 8 years of industry experience in IC design

Required Attributes:

- US person status **required** for this position, pursuant to the terms of government contracts with Senseker*
- CMOS integrated circuit design, simulation, and layout experience
- Knowledge of high-density arrayed CMOS low-noise analog and mixed-signal design techniques
- Verilog, Verilog-A/Verilog-AMS modeling
- Solid understanding of solid-state device physics
- Excellent teamwork skills, good written and verbal communication and a self-driven approach to work
- Previous tapeout experience is a must

Desired Attributes:

- Practical design experience with digital converters (ADCs/DACs), PLL/DLL, SerDes, image sensors and digital readout ICs
- Proficient in image sensor characterization and noise analysis
- Comfortable with multiple CAD tools and foundry PDKs
- Experience with digital synthesis tools
- Experience with Siemens Tanner / Calibre design flow

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

Base Salary Range: \$165k - \$230k per year

Benefits: Paid time off, 401k with company match, Health/Dental/Vision, HSA contributions.

Submit your resume at www.senseker.com or email it to careers@senseker.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.*

Senseker Corp is a wholly US owned transducer IC and cryogenic test solutions company. We specialize in the design of state-of-the-art digital readout integrated circuits, cryogenic test equipment, electronics and software. Senseker's products and IP enable FPA developers to produce world class infrared image sensing solutions. We are located in beautiful Santa Barbara, CA, amid the west coast's hub of infrared and scientific image sensor companies. For more information see www.senseker.com.

Senseker Corp 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.