



Senior Device & Modeling Engineer

Job Description

The individual selected for this position will work with fellow engineers on the development, modeling and characterization of advanced gallium nitride (GaN) devices.

Key Responsibilities

- Perform electrical characterization of GaN devices including DC, RF and reliability tests.
- TCAD, thermal simulation and DC & RF compact modeling
- Data analysis and model extraction.
- Perform mask layout, and work with foundry on process integration.
- Other responsibilities will be expected as the employee grows professionally in the company.

Required Qualifications

- PhD degree in electrical engineering, physics or related areas.
- Strong background in device physics
- Hands-on experience in device DC and RF characterization, simulation and layout.
- Excellent attention to detail; Self-motivated. Possessing initiative and drive to work around technical obstacles. Strong communication skills and accountability.
- Authorized to work in the United States.

Preferred Qualifications

- Experienced with device design and fabrication.
- Experienced with high frequency RF characterization.
- Experience with circuit design.

About the Company

Cambridge Electronics, Inc. (CEI) is an MIT spinoff that is developing next generation GaN semiconductor devices to revolutionize the future of power electronics and communication. CEI offers a dynamic environment, great potential for personal growth and competitive compensation packages. CEI is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

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