

Electrical Designer - Ottawa

GaN Systems Inc.- Ottawa, On, Canada

GaN Systems is a world leader in developing gallium nitride power switching transistors for the consumer, datacenter, industrial and transportation markets. GaN System's power switching transistors enable the introduction into those markets of smaller and more efficient power conversion systems quickly, efficiently and reliably. A fabless power semiconductor company, GaN Systems is headquartered in Ottawa, Canada.

Job Description

The design team at GaN Systems is looking for talented, energetic innovative junior to intermediate power semiconductor designers. You are passionate at your craft and have the background and experience that will enhance our ability to provide outstanding products to our customers.

As a design team member, you will be working with and supporting senior designers and contributors in developing next generation Gallium Nitride semiconductor devices. On a regular basis you will be interacting with our fabrication, packaging, marketing, reliability and operations teams to scope, design, build and validate those products. You will be involved the product life-cycle (PLC) from concept to final production release. You will use your signal and power integrity skill sets to ensure GaN Systems semiconductors are the markets go-to solution of choice for power conversion and power control applications.

Qualifications:

- EE degree (Power/Electronics Engineering desired).
- Power semiconductor background and understanding
- Practical bench/power electronics/ application/lab experience.
- PCB and/or semiconductor layout experience.
- Semiconductor design experience desired.
- Understanding of 3D electromagnetic simulation and analysis techniques
- Familiarity with wide bandgap semiconductor materials.
- Strong communication and documentation skills.

Responsibilities:

- Power converter semiconductor design & verification
- Power & signal Integrity analysis and design
- Semiconductor die and package design, layout & verification
- PCB design, layout and verification
- Bench testing and measurement
- PLC end-end support
- Technical reporting and communications.

Job type: full time

Experience level: junior to intermediate.

Job Location: GaN Systems Inc., 1145 Innovation Drive, Ottawa, Canada K2K 3G8

Salary: commensurate with experience.

Contact: Send inquiries emacrobbie@gansystems.com