

Power IC Designer – Ottawa

GaN Power IC Designer

GaN Systems Inc.

GaN Systems is the place electronics designers go to realize all the benefits of gallium nitride in their power conversion and control applications. To overcome silicon's limitations in switching speed, temperature, voltage and current, the company develops the most complete range of gallium nitride power switching transistors for consumer, datacenter, industrial and transportation markets. GaN Systems' unique Island Technology® addresses today's challenges of cost, performance, and manufacturability resulting in devices that are smaller and more efficient than other GaN design approaches. A fabless power semiconductor company, GaN Systems is headquartered in Ottawa, Canada.

The Company also leverages existing multi-sourced manufacturing processes due to its transportable, fabless model, and through additional innovations, makes it easy to incorporate gallium nitride into any design. GaN Systems is run by a seasoned semiconductor team with decades of industry experience and a track record of repeated success. The Company stands to do more for gallium nitride adoption in power conversion than any other.

Job Description

As the semiconductor market consolidates, being part of an innovative and high growth technology is hugely important as one manages their career. GaN Systems, as the recognized leader of high current, high power GaN transistors, is exactly the right place to be. GaN as a technology is projected to grow upwards of 30% CAGR and GaN Systems is winning at the largest companies in the world. We're growing our team with talented, energetic and innovative design Engineers.

As a GaN Power IC Designer you will be part of the design team developing the next generation of GaN Systems high power switching products. You will interact with our fabrication/packaging/marketing/reliability and operations teams to scope, design, build and validate GaN systems products from concept to product release. You will use your signal and power integrity skill sets to ensure GaN Systems products are the markets solution of choice for power conversion and power control applications.

Responsibilities

- Leading edge technical product development
- Signal & Power Integrity analysis and design
- Power ICs design
- Innovative Power IC package and module design.
- Technical support to applications and marketing.
- Technical support to qualification and verification.
- Technical interaction with IC/packaging vendors, suppliers and partners.
- Communicate clearly and concisely

Qualifications

- PhD or MEng. in Electrical Engineering with a minimum of 5 to 10 years relevant experience.
- Power Electronics background/ understanding
- Integrated Circuit design experience, preferably high current related

- Good understanding of signal and power integrity.
- IC package and/or power module design experience is strongly desired
- Demonstrable knowledge of electromagnetic simulation and analysis techniques
- Good leadership, communication and documentation skills.
- Good customer and vendor management skills
- Ability to work well in cross functional teams in a fast-paced collaborative team environment

Job type: full time

Experience level: intermediate to senior

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

Salary: commensurate with experience.

Please apply with “**GaN Power IC Designer**” in the subject line to: tlamb@gansystems.com

No Agency Calls Please. While we appreciate all interest, **only those candidates selected for an interview will be contacted.**