**Failure Analysis Engineer**

**GaN Systems Inc.- Ottawa, ON, Canada**

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 a Failure Analysis engineer you will be part of the reliability group, performing failure analysis of GaN Systems products. You will interact with design/marketing/operations and do failure analysis on our products. You will develop techniques, procedures and capabilities to further enhance the company’s capability in this discipline. You will be the resource person in the company for hard to solve failure analysis issues.

**Responsibilities**

* Root cause analysis of reliability test or field failures and propose corrective actions.
* Prepare failure analysis reports for both internal use and external customers.
* Function as technical resource for failure analysis questions.
* Co-ordinate all the logistic and instructions to initiating and directing the failure analysis process.

**Qualifications**

* MSc/PhD in electrical engineering, physics or a related engineering discipline, with 5+ years of experience in a semiconductor company
* Extensive Semiconductor technology and process knowledge (Fab, Assembly and Packaging)
* Hands on experience of FA techniques like Cross Sectioning, X-ray, CSAM, FIB, SEM, and TEM is required
* Good understanding of product function and basic electronics
* Innovative and Creative with troubleshooting techniques
* Enjoy hands-on work and working in a lab environment
* Good customer and vendor management skills
* Ability to work well in cross functional teams in a fast-paced collaborative team environment
* Ability to work independently, multi-task, and attention to details

**Job type:** full time

**Experience level:** Intermediate to Senior

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

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