

Sr. Staff Product Engineer

Navitas Semiconductor is a venture back startup creating the world's first & fastest integrated GaN Power ICs for Mobile phone, tablet & laptop fast chargers, wireless charging and many other products. Navitas was founded in 2013 and is located in the heart of El Segundo. We are currently seeking a Product Engineering leader for our product engineering activities in this exciting new field of GaN power ICs. In this role, reporting to the VP Engineering, you will work in a fast-paced environment to develop, characterize, qualify and production-release of the world's first GaN Power ICs. The ideal candidate will serve as both a strong individual contributor as well as team leader.

Key Responsibilities:

- Management of the product development cycle from inception to mass production
- Characterization of new product performance
- Development of datasheet ratings and characterization
- Development of ATE test requirements and statistical test limits
- Collaborate with test and reliability teams to ensure successful reliability qualification
- Disposition of Wafer sort and Final test status
- Develop yield enhancement and cost reduction plans
- Change control relating to products in production
- Collaborate with reliability / quality team for analysis of RMA Customer returns

Knowledge, Skill and Competency Requirements

- Strong data analytical skills in the evaluation and characterization of power semiconductors
- Experience working with GaN or other compound semiconductor devices strongly desired
- Strong test development skills along with the ability to define hardware/software needs for debug
- Yield analysis and circuit debug experience with 6-sigma quality practices is an asset
- Experience working with a variety of technical projects that relate to product and test engineering, failure analysis, design, yield improvement
- Demonstrated experience with hands-on product characterization methodologies (planning, understanding of measurement techniques and use of lab equipment)
- Understanding of statistical analysis techniques (SPC, CPK, CPU, CPL, etc.)
- Ability to write concise engineering reports
- Strong knowledge of device physics desired
- Familiarity with industry standard reliability testing and failure analysis
- Electrical and Thermal characterization
- Familiarity with wafer fabrication and packaging process
- Experience in probe and final test operation
- Experience with JMP or other statistical tools for data analysis
- Experience with automating data analysis
- Demonstrated ability to perform moderately-defined tasks relating to all phases of a product life cycle

- Demonstrated ability to define and communicate plans for completing difficult tasks

Education and Experience

- BSEE or Equivalent
- 5+ years of experience in Product Engineering or Design Engineering