

Measurement Engineer Silicon Carbide

Open position for a development engineer with responsibility for electrical measurements. You will be in charge of Ascatron SiC power semiconductor characterization and work close with our design and process engineers.

JOB DESCRIPTION

As Measurement Engineer at Ascatron you will be part of a devoted team developing next generation SiC power semiconductors:

- Management of electrical device characterization at Ascatron. Organize measurement work of development team. Planning for device development, product qualification and production testing.
- Development and maintenance of electrical measurement setups, including probe stations for wafer level testing.
- Responsible for contact with external partners for special device measurement, product qualification and performance testing.
- Electrical measurement on wafer and device level. High voltage (1-20 kV), high current (1-100 A), low leakage (nA) and high temp (250C)
- Measurement analysis with correlation to device design and fabrication process data. Include development of screening technique for wafer level testing
- Reporting of measurement results. Documentation of measurement data accessible for rest of device development team working with design and fabrication. Documentation of test procedures and instructions for operation of measurement equipment.

REQUIREMENTS

This position requires a good understanding of power semiconductors and capability of analyzing complex data. You are a methodical, ambitious team player who likes to do practical work. You have a strong ability to present and conclude your work, as well as plan work according to deadlines.

We are looking for you who have:

- Master degree in electrical engineering
- Knowledge in power electronics and semiconductor physics
- Experience of >3 years work in industry

It will be considered an additional qualification if you have experience from wafer level testing and know C++ and/or Python for data acquisition software.

ABOUT ASCATRON

Ascatron provide next generation Silicon Carbide (SiC) based power semiconductors that radically reduce losses in electrical power converters for applications like electric cars, data centres, trains, industrial processes, solar power, wind and electric grid. Ascatron has developed a unique material technology called 3DSiC® to make the most efficient and reliable SiC power devices. Our business model is semi-fabless with in-house production of the 3DSiC® material and outsourcing chip fabrication and device packaging. Ascatron started in 2011, and has 13 employees in Sweden.

More information on www.ascatron.com.

APPLICATION

Selection, interviews and appointments for the position are made concurrently.

For questions contact CEO Christian Vieider on mobile +46 70 2171654 or e-mail info@ascatron.com.

Send application before 2018-06-18 to work@ascatron.com with reference "Measurement Engineer".