

2023-32864 SiC Process Engineering - Defectivity M/F

General information

Job level 40 - Experienced

Position description

Regions	Europe
Country	Italy
States	Catania
Posting title	SiC Process Engineering - Defectivity M/F
Regular/Temporary	Regular
Job description	You will be a key contributor to SiC Technology volume ramp-up in ST. The work location will be in the new mass-production fab in Catania for the manufacturing of SiC substrate wafers, this facility will be a first of a kind in Europe for the production in volume of SiC epitaxial substrates, integrating all steps in the production flow. Strong link is maintained with STMicroelectronics Silicon Carbide AB, located in Norrköping, Sweden, with opportunities for on-site training and collaboration. STMicroelectronics Silicon Carbide AB, previously named Norstel AB, is the ST competence center in SiC material technology: the company has been developing silicon carbide for 20 years, first at Linköping University, and since 2006 in a dedicated production facility in Norrköping. Your role will be part of the defectivity group inside the Process Engineering team. The focus of the group will be to ensure a smooth transition between the R&D activities and the mass-production fab collecting and analyzing all the information required to guarantee the high quality of the final product. Your main focus will be in Defectivity with the following tasks: • Lead the process steps transfer from the R&D fab to the High-Volume Manufacturing fab • Hands-on work with processes and tools used in SiC semiconductor technology • Conduct systematic troubleshooting of equipment-related problems • Implement and refine procedures and qualification plans for bringing new processes on line • Qualify new production tools with suppliers and against internal criteria • Train new employees (operators, technicians and engineers) • Ensure process robustness and stability by managing equipment control charts, tool alarms, fault detection • Support R&D projects • Contribute to yield enhancement and process industrialization
Profile	Both junior and senior profiles will be evaluated, with the following background and characteristics: • PhD or Master in scientific faculty, e.g. in Engineering, Material Science, Physics • Experience in silicon or SiC processing and flow knowledge is a plus • Good manual skills, precision and attention to details • Fluent in English language is a must • Good communicator, able to create good relationships and working harmoniously with people • Committed, persistent and curious The Employment search is addressed to candidates of both genders, under Law 10.04.1991 n. 125, as amended by Legislative Decree n. 198/2006 which guarantees gender equality at work

Candidate criteria

Education level required	5 - Master degree
Experience level required	2-5 years
Languages	English (2- Business fluent)

Requesting party and reason for requisition

Desired start date	01/05/2023
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