

Bring Technology to LIFE

Function:
Technology
Development

Languages:
Excellent
English
is a must.

Location:
Villach

Job Code:

Senior Technology Development Engineer Power IGBT - Drives and Consumer Applications (f/m)

(3 positions)

The Position

To strengthen our development team for IGBT technologies, we are looking for experienced technology development engineers with excellent knowledge in semiconductor process technology. On the basis of the successful IFX trench-fieldstop technology, your main focus will be the development of new innovative IGBT technology generations for new fields of applications.

This work includes tasks like competitors benchmarking and project definition; definition and evaluation of different cell and process integration concepts; planning, coordination and evaluation of process experiments (including statistical DOE's). In the cope of the job also the specification of new single processes together with UPD (Unit Process Development); coordination frontend processing of development lots (generation of splitplans, trial routes, etc.) and the development of new process control structures and electrical characterization of test structures. Finally you will be responsible for the definition and coordination of reliability tests on wafer and product level and for the process flow definition (process of records). In this role, you will work in an interdisciplinary team with colleagues from product development, unit process development, process- and device simulation, frontend production and quality engineering.

Position requirements

We are looking for goal oriented, self-driven and highly innovative technical experts with the following education and background:

- University degree (master or above) in Electrical Engineering, Semiconductor Physics or comparable,
- Excellent knowledge in semiconductor process technology
- Excellent Knowledge of semiconductor and solid state physics
- Device know how of power semiconductors (Diodes, MOS-FET, IGBT) highly desired
- Flexibility and team work orientation