Driving decarbonization and digitalization. Together.

Senior Specialist PDK Development

Job description

Familiar with full-custom and semi-custom design flows and PVmethods/concepts Strong layout and design verification experience Strong background in semiconductor device physics Good understanding of IC fabrication process and IC Design Process Good understanding of electronic circuits and physical verification anddigital implementation concepts

In your new role you will:

- Development and maintenance of Physical Verification ruledecks
- Development and maintenance of techfiles used in digital implementationtools
- Development and maintenance of fill runsets and their integration todigital implementation tools

Profile

You are best equipped for this task if you have:

- Education - BE / B.Tech / ME / M.Tech / MS in Electronics / ComputerScience
- Experience - 1 to 3 years
- Expertise in developing physical verification rule decks (using Calibresvrf + PERC)
- Expertise in developing techfiles for digital implementation tools fromSynopsys /Cadence (ICC2/Innovus)
- Expertise in developing PV runsets for fill using Synopsys/Cadence(ICV/PVS /Pegasus)
- Expertise in programming/scripting languages w.r.t PDK development andQA
- TCL, PERL, PYTHON, Shell scripting
- Exposure to Cadence Virtuoso environment and SKILL programming
- Exposure to version control tools SVN, CLEARCASE, PERFORCE
- Exposure to issue tracking tools (JIRA)
- Exposure to working with multi-cultural and cross functional teams
- Proactive with good communication (assertive) and interpersonal skills
- Customer orientation is a must
- Avid programmer with excellent debugging skills to diagnose and deviseworkarounds for PDK/flow/design issues
- Demonstrate strong teamwork, communication skills and work ethics

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

Click here for more information about Diversity & Inclusion at Infineon.