

PDK Senior Engineer

Working Location: Science Park 2 Singapore

Company Description:

AMF specializes in customizable prototyping and volume wafer manufacturing services for Silicon Photonics integrated circuits. AMF manufacturing services are the back-bone technology to a global customer base in the emerging markets of Data Centres, Telecom, Automotive, Medical and environmental sensors. AMF offers Foundry services which enable customers to develop and manufacture integrated Photonics Chips for a broad range of applications – Cloud computing, Cloud security, 5G communications, Autonomous Vehicles and Diagnostic chips. AMF services are offered in the format of customizable technology platforms based on Silicon, SOI (Silicon On Insulator), SiN (Silicon Nitride) & Germanium materials.

Job Descriptions:

- Develop & maintain deck
- Develop in-house utility/scripts to enhance productivity
- Co-work with cross team (Tapeout, technology development) for enhancement.
- Generate support on linux system and EDA tools.
- Create and maintain PDK Blackbox cells
- Release PDK documents
- Support vendors on PDK release
- Support DRC check
- Support dummy generation
- Develop & maintain DRC deck
- Develop in-house Pcells to enhance design
- Develop in-house utility/scripts to enhance productivity
- Co-work with cross teams (Tapeout, technology development) for enhancement.
- Generate support on linux system and EDA tools.

Job Requirements:

- Possess Bachelor Degree/Master Degree in Electrical/Electronic Engineering/Computer Science
- Practical knowledge and understanding of Semiconductor manufacturing is a plus
- Proficiency in one or more following scripting programming, such as Skill, Perl, or Python,TCL
- Knowledge of Layout Tools such as Cadence Virtuoso, Synopsys Laker, Mentor Ledit is a plus
- Experience in Circle in PDK PCell Development is a plus

CONTACT DETAILS:

Please send a copy of your latest CV and Resume to hr@advmf.com.