

JOB TITLE: Research Engineer – Opto-Electronic Packaging

JOB LOCATION: Singapore

EMPLOYER 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 Centers, 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 DESCRIPTION

We are hiring an experienced **Research Engineer - Opto-Electronic Packaging** for packaging design and implantation of optical sensor module.

You will be involved in design / fabrication / characterization of optical sensor module. You will be working with an excellent multidisciplinary team from opto-electronics.

Job Responsibilities

- Design/demonstrate the packaging solution for optical sensor module with photonics chip, close collaboration with optical circuits design scientists.
- Assemble and characterize complex sensor system breadboards and prototypes.
- Perform optical/electronic measurement.
- Performs other duties as assigned. Duties will vary according to the project progress and/or the specific goals of the company
- Collaborate with project team members to ensure device meets specification and verify device's performance
- Test result documentation and performance analysis

JOB REQUIREMENTS

- Bachelor or Masters degree in Integrated Optics, Electrical/Electronics or related field.
- 2+ year hands-on experience in opto-electronics chip packaging design/implementation
- Experienced with Labview, or matlab, C++
- Basic knowledge in IC design / characterization (experience in CMOS image sensor circuitry is a plus)
- Preferred hands-on experience, including but not limited to wire-bonding and fiber attachment.
- Strong self-motivation and interest on opto-electronics
- Strong oral and written communication skills and demonstrated ability to work in a team-oriented environment
- Problem analysis and problem solving skill

CONTACT DETAILS:

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