



## Senior Staff Engineer Failure Analysis

### Job description

Responsible for performing failure and device analysis on wafer/package level to support product development, manufacturing, and customer complaint. Development of new FA skills and techniques to enhance analysis quality, speed, and cost.

In your new role you will:

The following experience/knowledge is advantageous, but not a prerequisite. Those working in the industry in a different field, but who would like to switch to failure analysis will be considered.

- Degree / Master / Ph.D. in Electrical and Electronic Engineering, Physics.
- 5+ years in the Failure Analysis field or 5+ years in Semiconductor Manufacturing Industry.
- Familiar with Failure Verification and Localization (i.e. curve trace, parametric analyzer, bench test integration, high voltage testing and IR-LIT/EMMI/TIVA/SEI), sample preparation (i.e. wet/dry chemical, backside preparation, and package preparation), Imaging (i.e. optical, SEM and FIB), wafer fabrication and assembly process.
- Well understanding of semiconductor technology, devices, layout, and electronic circuit.

### Profile

You are best equipped for this task if you have:

- Responsible for performing failure and device analysis on wafer/package level to support product development, manufacturing, and customer complaint. Development of new FA skills and techniques to enhance analysis quality, speed, and cost.
- Prepare FA reports that can lead to root cause finding and corrective action to a cross-functional team.
- Participate, lead and present FA results in cross-functional meetings, projects, yield improvement, and urgent and important meetings.
- FA equipment/tool ownership.
- Interface with designers, test, product, process integration, and unit process engineers to understand the analysis requirement.
- Identify development opportunities of new EFA techniques and improve FA skills and techniques to enhance analysis quality, speed, and cost
- Responsible for FA readiness on new Transfer Technology or Products.
- Responsible FA KPIs.
- Execution and understanding of IFX and IFKM business process

### At a glance

Location: **Kulim (Malaysia)**  
Job ID: **349293**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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## Benefits

- **Kulim:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Holiday child care; Medical coverage; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Flexible transition into retirement

## Why Us

**Part of your life. Part of tomorrow.**

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

