

# Driving decarbonization and digitalization. Together.



## Senior / Staff Engineer Failure Analysis (Physical)

### Job description

In your new role you will:

- Independent Physical Failure Analysis operation and job administration
- Provide consultation to customer related to PFA and determine the right analysis methods
- Identify problems or unfavorable deviations, recommend and execute /implement corrective/improvement actions which enhance the quality, reliability or cost effectiveness in the area of responsibility
- Perform PFA generalist job, i.e. XSEM, Construction Analysis, Chemical & other within timeline independently
- Perform PFA specialist job, i.e. SEM/EDX, RIE, PFA Flow, chemical and mechanical delayering, etc within timeline independently
- Support high impact jobs for IFKM (mainly) and IFX (globally) independently and being FA representative during the meeting
- Deliver a comprehensive, conclusive and good quality results and report for problematic wafers/samples which leading to root cause investigation
- Perform wafer and package sample preparation inclusive embedded cross-section, chemical delayering, XRAY, CSAM, Laser and Acid Decapsulation
- Responsible to execute KPIs and assigned projects
- Provide technical guidance in multiple Fields of Knowledge to Engineers, Assistant engineers and lab technicians pertaining to defect analysis
- Provide on job training for junior engineers
- Demonstrate medium to complex of mental, analytical skills and problem solving. Ability to evaluate the problems and provide the solution
- Business Process Owned, i.e. Construction Analysis business owner, ICO/FAR /Task Force

### At a glance

Location: **Kulim (Malaysia)**  
Job ID: **HRC0739491**  
Start date: **Jun 03, 2024**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **HRC0739491**  
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- Manage the PFA Flow & ICO jobs submission and distribution
- Participate in IFX user group meeting, i.e. Contributor for Best Practice Sharing
- Ensure 5S in place while in the office and FA lab
- Develop method improvement or recipe creation for various failure analysis technique

## Profile

You are best equipped for this task if you have:

- Ph.D / Master / Degree holder in Electrical / Electronics Engineering or Applied Science with major in Physics / Chemistry / Material Science
- Min 2 years of working experience in semiconductor or failure analysis field
- Has experience in any of FA methods as SEM/EDX, Analytical Service, RIE, AFM /SCM, package analysis including XRAY, CSAM, Laser/Acid Decapsulation, wafer and package sample preparation inclusive embedded cross-section, chemical delayering

## 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

### **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.

