The Optical Sensor Solutions (OSS) division of ams is looking for an **Electro-Optical Characterization Engineer** (m/f/d).

**Location of employment:** Jena/ Germany

**Description**

In this role, the Electro-Optical Characterization Engineer works in the OSS division of ams, to develop and implement new test concepts and methods, programs, test jigs, fixtures and test equipment for pure optical or electro-optical products.

**Role & Responsibilities**

Working for the Electro-Optical Characterization Engineer department, the Electro-Optical Characterization Engineer is expected to carry out the following duties:

- Definition of detailed characterization and test plans
- Reviewing product requirements with product designers to ensure compatibility with processing and testing methods with design goals
- Development of electro-optical bench top tester for modules characterization
- Development of instrument drivers and basic test automation
- Development of test algorithm, mainly based on digital image processing
- Deployment of test algorithm and SW analysis tool on mass production machines and support operations in and R&D in failure analysis
- Management of the project, interacting with the stakeholders (PM, designer, operation, customer, vendor) Run characterizations and DOE operating on the lab setup
- Respecting and living the ams core values:
  
  **Invest to Be Best**
  **Raise the Bar**
  **Decide & Execute**
  **Empower & Hold Accountable**
  **Be Empathic & Respectful**

**Background & Skills**

**Soft Skills**

- Enthusiastic to work in an international and very innovative environment
- Excellent interpersonal skills for clear, concise communication between the ams Business Lines and technical teams, with emphasis on communication with the global Engineering team
- A strong eye for technical details, especially in the context of product requirements and specifications
- Agility in a fast-moving development environment
- Great team player
A strong personality to be able to both challenge and motivate the development teams
Out-of-the-box approach to problem solving
Ability to simplify seemingly complex problems, get to the point quickly and formulate actions to resolve practically

Skills
Experience in imaging system / image sensors / optoelectronic modules characterization
Strong programming and data analysis skills with ability to prototype hardware/software systems
Strong knowledge of Labview (preferred) or Python
Experience in lab equipment, instrumentation and automation
Knowledge of digital image processing techniques and algorithm
Innovative attitude and self-motivated
Strong, broad technical understanding in the field of optics for practical commercial application
Excellent organizational skills, especially in gathering and precisely documenting technical requirements
Ability to liaise across functions to build up a precise product technical definition
Highly precise use of language to accurately communicate between technical team, Product Management and Customer
Very good skills in MS Office and also in MS Project
Confident, precise presentation skills
Excellent spoken and written English
German knowledge is an advantage

Background
Master degree in Electronic Engineering or Physics
Candidates must have more than 2-3 years of hands-on experience on testing / characterization with strong analytical attitude and solid experience in image sensors/3D-systems characterization, functional tests set-up and data analysis.

Contact details
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