Step up.

We are shaping the world with sensor solutions!

ams’ success, being a world leader in the design and production of high performance analog ICs and sensor solutions is driven by our most important asset - our employees. To support our continuing growth, we are looking for people with ideas, people who want to make a difference and are focused on being the best.

**Optical Simulation Engineer**  
(System Engineering) (m/f/d)  
Job No. 005828

**Your tasks and responsibilities**

- Within the design and development of spectral sensor solutions:
- Design system-level optical simulation models. Perform extensive optical and light behavior analysis. Interpret and report on results including recommendations on optimization
- Defining and implementing optical systems with internal and external partners
- Define design concepts and select key optical technologies in-line with requirements
- Planning and supervision of laboratory measurements for sensor characterization
- Perform engineering product verification to ensure compliance to requirements
- Cooperate with Project Leaders to assure design to be compliant with mechanical and manufacturing ground-rules
- Work well with diverse geographical team

**Your education and experiences**

- Masters or PhD in Physics, Optics, Optical Engineering or related field of study
- Minimum 6 years’ experience preferred. Experience with microoptics and consumer electronic systems is beneficial
- Knowledge in optical and micro-optics technologies and materials also an advantage
- Self-motivated, creative problem solver, to participate in a cross functional development team
- Hands-on experience in optical measurement
- Preferred experience of mechanical construction of semiconductor packages
- Willingness to travel worldwide
- Fluent in English
- Optical: Zemax, TRACEPRO, other tools such as LightTools, CODE V, FRED, and VirtualLab are a plus
- Data processing and statistical analysis, e.g. Matlab or Python

**Place of employment**

Jena, Thuringia, Germany

ams offers a great work environment with exciting career paths and trainings, attractive salaries, a profit sharing program, social events and much more. If you enjoy creativity and innovation, working in teams and an open and friendly corporate culture, we are looking forward to your application via our recruiting platform: [www.ams.com/eng/Join-Our-Team/Open-Positions](http://www.ams.com/eng/Join-Our-Team/Open-Positions)