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Position: System Development Engineer

Responsibilities:

- Contribute to system development, design, modeling and simulation of NeoSpectra spectral sensors.
- Provide system blocks specifications that achieve product target performance.
- Contribute to system characterization and develop system validation test flow.
- Develop product calibration flow with necessary algorithms and setups.
- Interface and work closely with different teams (MEMS, Optics, Software, Electronics, Mechanics ...) along different product stages from kick-off and initial development till delivery and hand-over to production.
- Work on product yield analysis and enhancement.
- Communicate system technical status to project managers.
- Work with marketing team for customers' technical support.
- Help marketing team in generating datasheets and technical documentation of products.

Qualifications:

- A B.Sc. or M.Sc. degree in electrical engineering with 0-2 years of experience in the semiconductor industry preferably in a similar position.
- Hands on experience in performing lab experiments, testing, characterization and failure analysis, is a plus.
- Experience with lab equipment and ability to build bench characterization setups for measuring the performance of MEMS as well as optical components is a plus.
- Previous experience in spectroscopy is a plus.
- Familiarity with MATLAB is preferable.
- Experience with DSP algorithms is a plus.
- Solid understanding of optical design, integrated optics, volume optics and MEMS basics.
- Self-starter with demonstrated quantitative analysis and problem solving skills.
- Able to pro-actively communicate with different teams. .and work under pressure.
- Good planning and time/schedule management skills, attention to detail, and the ability to drive standardized practices are a must.
- Team work orientation, networking, and effective verbal and written communication skills, and have tendency towards new ideas, creativity, and innovation
- Able to pro-actively communicate with different teams and work under pressure
- Excellent documentation skills
- Excellent command of English language.

Potential candidates are welcome to forward their resumes with an email subject [HRM] to human.resources@si-ware.com