



## **Electro-Optics Engineer II**

**Sensing Strategies, Inc.** is a small company that develops novel instrumentation and software applications for challenging remote sensing problems. Our diverse customer base includes defense, security and industrial sponsors, and we fabricate ground-based, airborne and space-based instrumentation. We seek creative and motivated individuals with backgrounds in engineering and the applied sciences able to contribute to end-to-end development of specialized remote sensing systems and scientific analysis applications.

This position will involve laboratory and analytic optical and electronic experimental work in supporting the development and characterization of remote sensing systems. The position will involve the development of novel calibration and test setups for characterizing electro-optic systems, working with a variety of laser systems, and developing techniques for deriving absolute radiometry from measurements of laser observables. Laser technologies include optical parametric oscillators, ultra-short lasers, quantum cascade lasers, as well as more traditional pulsed and continuous wave laser technologies. Demonstrated experience with sensor design, development and modeling, and knowledge of applied photonics is desired. The position will also involve occasional field testing related to remote sensing systems. A M.S. or Ph.D. degree, or a B.S. degree plus at least 5 years experience in this area is required. Experience using MATLAB is also desired. Experience with C++, LABVIEW, or optical design software is a bonus.

SSI is a certified Small Business located in central New Jersey with easy access to major metropolitan areas and airports and is about an hour from the shore. SSI maintains a benefits package comparable to larger companies, but retains the small company approach to giving employees exposure to a variety of projects and topic areas. Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information. U.S. Citizenship is required. SSI is an equal opportunity employer M/F/H/V. Salary will be commensurate with experience and ability to succeed in multiple technical roles within the company. Submit resumes to [employment@sensingstrategies.com](mailto:employment@sensingstrategies.com) or by mail to:

**Sensing Strategies, Inc.  
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Pennington, NJ 08534  
Attn: Human Resources**

For more information, please visit our web site at [www.sensingstrategies.com](http://www.sensingstrategies.com).