



## **Job Opening: Senior Test Engineer / LabVIEW Developer**

### **Company Overview**

Aegis Lightwave, a subsidiary of II-VI, Inc (Nasdaq: II-VI) and located in Woburn, Massachusetts, is a high tech manufacturing company with rapidly growing revenue. Aegis develops and manufactures optical components and subsystems which use a proprietary tunable optical filter technology for the telecommunications and other fast growing markets. The company is the first in the industry to commercialize tunable thin-film filters and has filed more than 20 patents on the Active Thin Films™ technology platform and its applications. Visit our website at [www.aegislighthouse.com](http://www.aegislighthouse.com).

### **Job Description**

Aegis Lightwave, Inc. is looking for a Senior Test Engineer, LabVIEW Developer responsible for developing and maintaining automated test stations throughout the fiber-optics product family. Work will include collaborating with operations and development groups to define test requirements, designing test stations and software, and qualifying test systems.

### **Typical project work includes:**

- Design and develop automated production test software for next generation products
- Maintain and continually improve existing test stations (hardware and software)
- Develop automated tools for R & D of new and existing products
- Debug and analyze device test failures
- Study product performance issues and specifications
- Manage capacity requests for production test stations
- Manage projects including hardware, software, documentation, resources, and schedules
- Create and execute test station validation projects with a formalized report deliverable
- Work on multi-developer software applications
- Utilize and contribute to shared software library

### **Required Education, Experience, Skills:**

BS in Engineering or Science. EE preferred. MS a plus.

5+ years of LabVIEW application development and systems integration:

- Advanced application development
- Requirements gathering
- Applications architecture
- Group development in a source-controlled environment
- Testing and validation
- Executable package deployment

Data acquisition, signal processing, signal integrity, noise issues  
Signal filtering, curve fitting, and measurement precision  
Manufacturing test station design and construction  
Technical document writing and communications  
Project management

**Additional Experience Desired:**

NI Certified LabVIEW developer or Architect  
National Instruments data acquisition products expertise; Multi-axis motion control a plus  
Multithreaded, high performance application architectures  
LabWindows CVI and / or C programming a plus  
Integration of .Net functions within LabVIEW  
Database integration for test & measurement  
Optical test and measurement instruments  
Fiber optics connections, signal, and measurement issues  
Experience developing instrument drivers (GPIB, RS-232 serial)  
Analog & digital electronic circuit analysis & troubleshooting  
Circuit design, printed circuit board layout experience

**Other Job Information:**

Position type: Full time, permanent  
Location: Woburn, Massachusetts  
Salary: Commensurate with experience and competitive with the local market.  
Benefits: Aegis offers a comprehensive benefits package that includes health and dental plans, a 401k plan, disability insurance, and life insurance.