

	<h1>Attollo Engineering</h1>	Document Number: FRM-020
		Document Revision: 001
<h2>JOB DESCRIPTION</h2>		Approval Date: 10/15/2018

<b>Job Title:</b>	Infrared Detector Scientist	<b>Job Category:</b>	Engineering
<b>Department/Group:</b>	Engineering	<b>Job Code:</b>	
<b>Location:</b>	Camarillo, CA	<b>Travel Required:</b>	Infrequent
<b>Level/Salary Range:</b>	Competitive pay BOE	<b>Position Type:</b>	Full Time
<b>HR Contact:</b>	jobs@attolloengineering.com	<b>Date posted:</b>	December 28, 2018
<b>Will Train Applicant:</b>	Yes	<b>Posting Expires:</b>	Click here to enter a date.
<b>External posting URL:</b>			

**JOB DESCRIPTION:**

Attollo Engineering is a manufacturer of ultra-compact and highly functional opto-electronic imaging and LIDAR devices. Attollo is growing fast and is an exciting place to work with great vision for the company and its people. Attollo provides competitive salary compensation, a generous insurance package, and 401K matching.

Attollo Engineering is seeking motivated and driven candidates to join our team to develop next-generation infrared sensing and imaging devices and products based on III-V compound semiconductors including strained layer superlattices (SLS) and bulk alloy materials. A successful candidate will have had have some experience with all aspects of the infrared imaging technology development cycle from proposal generation, device design, coordination with epitaxial growth vendors, device fabrication, test device characterization and analysis, focal plane array hybridization, packaging, and FPA test and characterization.

**ROLE AND RESPONSIBILITIES**

- Design infrared detector devices based on III-V compound semiconductor materials
- Develop and/or direct the development of detector fabrication processes
- Carry out the radiometric characterization of infrared detector devices at the FPA and test structure level
- Analyze device test data and relate it back to the device design of fabrication process
- Coordinate and manage the technical and administrative aspects of projects
- Maintain the primary technical interface with customers and stakeholders
- Prepare and write proposals, technical reports, white papers, and customer presentations

**QUALIFICATIONS AND EDUCATION REQUIREMENTS**

- Knowledge of III-V semiconductor materials, processes, and devices (i.e. SLS, InSb, InAs, InSb, GaSb, InP, etc.)
- A strong technical knowledge in epitaxial growth and processing of III-V compound semiconductor materials
- Experience with the fabrication and principles of operation of focal plane arrays and readout integrated circuits.
- Experience with flip-chip hybridization of detector arrays to ROICs and subsequent packaging steps.
- Experience in project management, risk assessment/management, engineering planning is highly desired
- Experience in DOE, product and technology development
- Effective communication (written and verbal) of very complex ideas to any level of audience
- Strong technical writing and communication skills are required to complete whitepapers, proposals, technical reports and support customer reviews
- Experience with programming languages (Python/C/C#) and automating test equipment and data reduction/analysis
- 5+ years of experience in a similar environment / role

<b>Reviewed By:</b>	Andrew Hood	<b>Date:</b>	December 28, 2018
<b>Approved By:</b>	Andrew Hood	<b>Date:</b>	December 28, 2018
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