

Glenn Oller

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Career Summary:

A highly skilled technician with a background in both engineering and production environments for the optical telecom, defense and medical industries including hands-on experiences that are applicable to various lasers, sensors, fiber optics, optical set-ups and optical systems for manufacturing and R&D objectives.

Professional Experience:

Senior Optical Technician, Novartis [Alcon Labs (Lens Lasers)], Aliso Viejo, CA from Jan 2011 to Oct 2011. Supported the early subassembly and testing of fiber optic integrated devices, opto-mechanical assemblies, spectrometers, OCT's (Optical Coherent Tomography) in the first phase of manufacturing. In addition to checking and inspecting optics for aberrations, surface quality, etc. (using Fizeau interferometers and other equipment). Directly revised ISO 10110 drawings standards and its implementation with source documents. Adhesive/epoxy selection input, testing for optical, and various types of materials. Also, engaged within a team effort including the design verification, validation and FDA records documenting requirements. Trained assemblers with the correct install of in house and outsourced optical systems for the integration to the next levels.

Test and Evaluation Engineering Technician, CACI Federal, Crane, IN NAVSEA (Naval Surface Warfare Center) from Nov 2009 to Jun 2010. Test and Evaluation Engineering Technician, CACI Federal, Crane, IN (NAVSEA Naval Surface Warfare Center (NSWC) from November 2009 to June 2010. Testing, evaluating, and documenting of military lasers, optical systems and sensors (visible to IR) for various applications. Traveling, installing and troubleshooting systems including training for Special Forces on new equipment to evaluate and consider for potential use. NTLSO (Navy Technical Laser Safety Officer Certification). DOD security clearance.

Sr. Technical Support Specialist, L-3 Communications (Aeromet), Tulsa, OK from Feb 2009 to Nov 2009. Installing, configuring, testing, and calibrating cryogenic and non-cryogenic sensors, including collimators, telescopes (visible, short, mid & long IR), radiometry (set up for optical metrology including verifying a variety of filters and coatings (visible, short, mid & long IR) through the Optical Electromagnetic Spectrum. Traveling to different regions to support missions, and operating sensors and equipment on experimental aircraft. DOD security clearance.

Optical Test Technician, Elite Technical Temporary Services, Nashua, NH from Sept 2008 to Jan 2009. Manufacturing of a distinctly - fabricated military fiber optic diode pumped lasers for aerospace IRCM (infrared counter measures). DOD Security Clearance.

Laser Technician (Supervisor Laser Team Leader), Finmeccanica (DRS Technologies), Palm Bay, FL from May 2006 to Aug 2008. Manufacturing of small-scale precisely developed laser cavities and other optical assemblies for military applications. Inspecting and testing of optics, crystals and accompanying laser components. Also, actively collaborated with participation on improvements for adhesive selecting and bonding techniques as well as sampling laser components to confirm results to attain military specifications. Transitioned additional transpired improvements for performance, alignment, construction and specific techniques to train laser techs and optical assemblers to boost production and quality.

Laser Technician, Fibertek, Herndon, VA from Mar 2004 to Apr 2006. Assisted with different Laser Engineers on the designing and building of complex military and aerospace lasers, including fiber optic lasers systems and custom sensors. Followed by transferring the prototypes and/or production units to various organizations to utilize, test and evaluate. Other duties included inspecting, testing and characterizing of optics and crystals.

Laser Optic Technician, L-3 Communications (ALST), Orlando, FL from Feb 2003 to Feb 2004. Constructing, aligning and testing eye safe laser range finders for military applications. Including the examination and testing of the incoming optics, alignment of receivers (bore sighting), thermal cycling as well as shock and vibrate on the range finders for specified acceptance criteria.

Test Engineering Technician, Neo Photonics (Santur Corp.) San Jose, CA from Aug 2001 to May 2002. Performed tests and characterizations for fiber optic tunable semiconductor diode lasers and voltage controlled MEMS (Micro-Electro-Mechanical Systems) mirrors. Dicing and packaging of DFB (distributed feedback) lasers for engineering evaluation. My role within the Engineering department also included working in a team effort to transfer the essential processes and the initial foundation of the packaged product and methods to the recently established manufacturing department.

Engineering Technician, Bandwidth9, Fremont, CA from May 1999 to Aug 2001. Entered as an entry-level test tech, followed by advancing into an Engineering Technician role. Duties included numerous tests for VCSEL (vertical cavity surface emitting laser) fiber optic tunable diode lasers and voltage controlled MEMS mirrors. Responsibilities expanded into the reliability group for testing and verifying Telcordia and military standards for existing products in development.

Education:

Associates in Laser/Electro-Optics at Vincennes University - Vincennes, IN (Attended other Universities taking courses related to Electrical Engineering including calculus and physics.