



**Job Title:** Senior Phosphor R&D Engineer (Req #1208)

**Position Location:** Intematix Corporate Headquarters, Fremont, CA

**Reports to:** Director/Project Manager

**Radford Code:** 5393

**General Purpose/Objective:**

This position is primarily responsible for LED phosphor product development involving material synthesis/characterization and design for manufacturing; investigates the feasibility of applying scientific principles and concepts to potential inventions and products. Plans and executes applied research. Maintains substantial knowledge of state-of-the-art principles and theories, and may contribute to scientific literature and conferences. May participate in development of patent applications. May coordinate interdepartmental activities and research efforts.

**Essential Duties and Responsibilities:**

- Provides expertise in phosphor engineering-- design, process, optimization and scale-up.
- Develops and optimize new and existing processes to achieve cost effectiveness and improved product quality.
- Carries out DOE for various materials and application R&D Research and development experiments.
- Carries out all relevant testing to characterize the materials/process.
- Performs scale-up experiment for mass production.
- Assists the manufacturing operation in problem solving with regards to equipment/process.



- Ensures ISO compliant documentation and controls.
- Summarize tech data and provide verbal and/or written reports.
- Maintain maintenance of lab and equipment.

**Required Qualifications:**

- PhD degree or Masters Degree with 5+ years of experience or equivalent in Materials Science and Engineering or related majors such as solid State Chemistry and Applied physics.
- Thorough understanding of material science/engineering.
- Hands-on experience on materials synthesis, processing and characterization.
- Use of continuous improvement, quality tools and statistical process control methodologies.
- Good communication and presentation skills - written and verbal.
- Good team work spirit.
- Proficient in English a must.
- Proficiency with Microsoft Office Suite.

**Safety Requirements:**

- Direct experience working with chemicals and knowledge of chemical safety requirements.
- Experience with electrical safety requirements.
- Must follow safe lifting procedures and is able to lift 25 lbs.
- Can follow respiratory protection guidelines. Must be able to wear an air-purifying respirator.
- Must understand and comply with job specific safety requirements.

**Principals only. Send resumes to: [Jobs@intematix.com](mailto:Jobs@intematix.com)**