



Plasma Scientist/Engineer

Position Title: Plasma Scientist/Engineer

Position Type: Regular Full Time

Location: Tualatin, Oregon (USA)

Job Description

Lam Research is seeking a plasma scientist/engineer to develop next-generation plasma reactors for PECVD and PEALD. The candidate will be responsible for conducting fundamental research and transferring scientific principles to industrial products.

Job Responsibilities

- Conducts literature search and determines the direction of the next-generation plasma reactors and related technologies
- Creates conceptual designs, builds the prototypes, characterizes the fundamental reactor properties, and proves the design concept in a timely fashion
- Leads other engineers to convert the prototype reactors into the industry-scale production tools
- Attends conferences and tradeshows to maintain a close relationship with experts in academia to learn the state-of-the-art technology
- Understands requirements, roadmaps, cost, and business challenges our customers are facing and reflects those into the plasma reactor development roadmap

Minimum Qualifications

- Ph.D. in Physics or Engineering (Chemical, Electrical, Mechanical or related fields) with 1-3 years of related work; or Master's degree in those fields with +6 years of relevant work experience
- Educational background or work-related experiences in non-equilibrium low-temperature plasmas

Preferred Qualifications

- Expertise in plasma source development, including but not limited to CCP, ICP, MW, and SW plasmas
- Proficiency in plasma diagnostics and automated data collection and analysis
- Problem-solving and trouble-shooting skills
- Ability to work independently in a highly dynamic and fast-paced environment
- Ability to effectively communicate with colleagues in cross-functional team environment

Contact

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