

1044 - Senior Process Engineer/Scientist

Job Overview:

Our client is seeking an energetic, self-driven scientist with a strong experimental plasma technology background in nanotechnology applications to join its research and development team. You will be part of a multifunctional work environment, exploratory R&D programs for high demand market applications and IP generation. You will have the opportunity to evaluate and develop novel applications using plasma based technology for semiconductor manufacturing. Your work will be involved in all aspects of our client's R&D (wet chemistry, thin film deposition, reactive ion etching, thermal and plasma processing and material characterization).

Responsibilities:

The ideal candidate will be an independent, multitasking contributor with project management skills that can analyze problems and define objectives, design and conduct independent experiments and tests, analyze and present results and recommendations for multiple projects to customers and managers.

- Responsible for designing and conducting experiments to develop doping/implant/material modification and plasma processes and equipment for nanotechnology.
- Demonstrated abilities in project management, hardware and systems design, and experimentation are essential.
- Hands-on with advanced process development, qualification, sustaining and troubleshooting of plasma processes and equipment.
- Fosters collaboration with current and potential university partners.
- Generation of technical reports, Intellectual Property and presentations.
- Responsible for making presentations at national/international conferences and customer sites.
- Familiar with material analysis metrology (SIMS, XRD, Ellipsometry, AFM, SEM, TEM, XPS, FTIR, Auger etc).
- Willingness to travel up to 25%, both domestically and internationally.

Education/Experience:

Ph.D. in Physics, Material Science, Chemistry or Engineering.

Experience in semiconductor devices and plasma processing as well as any or all of the following areas: CVD, RIE, ALD, PVD, ion implant, IBE, thermal processing,

Must have strong communication skills (verbal, written and presentation)

To apply for this position, please email your resume and cover letter (optional) with the position number 1044 in the subject line to:

drh@austinprosearch.com

Thank you,

Doug Harrington, CPC
(512) 795-9059