

1060 Sr. Controls Electronics Engineer

The Senior Controls Electronics Engineer is responsible for the development, release, and sustaining engineering of embedded controllers for RF power electronics. The successful candidate will be responsible for the design, and sustaining engineering support of controllers used for plasma and reactive gas generation. The successful candidate will be able to operate independently with minimal supervision in a fast-paced, dynamic, highly technical environment and multi-task competing priorities. The successful candidate will work on significant and unique issues where analysis of situations or data requires an evaluation of intangibles.

Position Details:

- Be solely responsible for development of controller hardware from concept to production launch
- Participate in cross-functional, multi-discipline engineering teams including power, mechanical and software engineers to execute upon new product developments
- Outline controller requirements based on system performance requirements
- Specify microcontroller requirements and drive part selection, perform timing and memory analysis for high performance control system implementation
- Develop, document, and execute DVT plans. Test, validate, and troubleshoot controller hardware
- Work closely with PCB designers providing the layout requirements and directions

- Create and archive design and test reports and other product documentation

Requirements:

- Bachelor's Degree in Electrical Engineering with 5 + years' experience in electronics hardware development
- Solid fundamentals of digital/analog/mixed signal electronics, components, and interface/communication standards
- Must have demonstrated experience in the design of embedded controllers and associated electronics hardware
- Familiar with software development basics to communicate effectively with software development engineers
- Familiar with design for EMC basics
- Experience in power electronics control principles and implementation is a plus
- Experience in using DX Designer for schematic capture, PADS for PCB layout, and SPICE for simulation is strongly desirable
- Must be comfortable and competent using lab test equipment and soldering tools with hands on circuit design and construction

If you are qualified for and interested in this position email your resume as an attachment in PDF or Word format to,

Doug Harrington: drh@austinprosearch.com. Cover letter is optional.

Include position number # 1060 in the subject line of your email.

We will promptly provide feedback on your candidacy for this position (within 7 days).

Thank you,

Doug Harrington

(512) 795-9059