

Job opening: Systems RF Engineer - Analog/mixed-signal circuitry design and development

Job Description

X-wave Innovations, Inc. (XII) is a Research and Development (R&D) firm headquartered in Gaithersburg, Maryland. We conduct state-of-the-art research and product development in the fast evolving areas of Sensor Technology, Wireless Sensor Networks, Ultrasound, Nondestructive Evaluation/Structural Health Monitoring, Signal/image Processing, and Power Electronics. We are looking for a highly self-motivated Systems RF Electrical Engineer with expertise in analog/mixed-signal circuitry design and development as well as antenna design for small form factor wireless sensors and transducers. Good writing/communication skills are expected, as well as excellent work ethics and attention to detail. **US citizen or Permanent Resident is preferred, but not required.**

- M.S. or higher in EE, Physics or closely related field with 5+ years of hands-on experience in RF analog/digital mixed-signal electrical circuitry design, schematic capture, PCB Layout, and development.
- Antenna design for small form factor wireless sensors and transducers a must
- Circuit simulation and evaluation
- Design and test to ensure products operate within the environmental requirements such as those in MIL-STD-810, MIL-STD-461/464, or applicable UL standards.
- Proficiency in instrument interfacing and system integration
- Radar, Sonar, Ultrasonic pulser-receiver, and/or Wireless Sensor Network development experience is a big plus
- Experience in a small R&D organization is desired. We are looking for a *self starter and proactive person* to work and contribute on the exciting technologies we are creating

Job Duties

- Design and develop prototype firmware and hardware from concepts
- Test and improve prototype
- Assist writing technical reports and research proposals

Education

M.S. or Ph.D. EE, Physics, or related field

We offer competitive salary along with a full benefit package (e.g., medical/dental/vision insurance, 401K, profit-sharing, paid holidays, vacation, etc.). XII is an EEO/AA employer.