Title: Research Scientist/Atomic Physicist

Description: Rydberg Technologies is seeking an experimental atomic physicist to join our quantum R&D group to support the development of next-generation quantum technologies and devices in areas including Rydberg atom-based electromagnetic field sensing and measurement, atomic RF reception and communications, RF/THz field metrology and imaging. Responsibilities include the design and prototyping of quantum sensors and devices, hardware development of core components and device-level integration, technology/product testing and performance evaluation. We seek high-caliber candidates who are solution-oriented, organized, self-motivated, have an interest in top-level project planning, give attention to the finest project details, and have the ability to both work autonomously and in a dynamic, fast-paced team environment.

Required experience and skills: Atomic, optical, and quantum physics experiment and theory, precision spectroscopy, optical and laser physics, CW and pulsed lasers, optical frequency combs, stabilization, analog and digital electronics, signal processing, advanced programming and simulation.

Other relevant skills: Rydberg-atom spectroscopy, EIT, vapor-cell technology, RF/microwave/THz measurement and engineering, chip-scale and low-noise opto-electronics, photonic integrated circuits.

Qualifications: PhD in atomic, optical, quantum physics; priority consideration will be given to US citizens or green card holders.

Compensation: Competitive salary and benefits including family medical, dental, and vision insurance, PTO, maternity/paternity leave, retirement match program, and participation in the company stock plan. Compensation is based on candidate qualifications and experience.

Contact: For questions about this opportunity email admin@RydbergTechnologies.com with the subject “Applicant: Research Scientist.” Applicants should send a brief description of themselves and their interest in the position, a curriculum vitae, and be prepared to provide two references upon request.

Rydberg Technologies Inc. is a research and development company and manufacturer of quantum technologies for next-generation sensing, measurement, and imaging solutions. Rydberg Technologies is the industry leader in atom-based quantum RF detectors, receivers and measurement devices, supported by a foundation of fundamental and applied physics research and an expanding core technology IP portfolio. Rydberg Technologies Inc. main offices and facilities are in Ann Arbor, Michigan USA.

Rydberg Technologies is an equal opportunity employer. All qualified applicants will be considered without attention to race, color, national origin, religion, sex, sexual orientation, gender identity, age, disability, or military status.