Honeywell International is a $34B diversified technology and manufacturing global leader with a long and demonstrated heritage of both innovation and achievement. Its biggest business division, Honeywell Aerospace, is a leading global provider of integrated avionics, engines, systems, and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space, and airport operations.

This position will work within the Engineering and Technology (E&T) segment of Honeywell Aerospace, known as Advanced Technology, comprising a staff of prestigious Engineers and Scientists, focusing their efforts on the inception, development, and prototyping of new technologies to a level required for product development.

Description

This opening is for a senior-level scientist or engineer who will pursue applied research in the area of advanced sensing, microsystems, and materials technologies in support of Honeywell’s Aerospace businesses. The successful candidate will be expected to lead large technology development programs, develop innovative game-changing device and microsystem concepts, work closely with customers to identify requirements, write and win contracts proposals, and develop new technologies for future products.

The candidate must have a demonstrated record of sustained superior performance in the design, fabrication, and test of innovative, high-performance sensing devices and microsystems. She/he must be able to demonstrate a high-level of understanding of the physics of such devices and microsystems and be able to model such devices using first principles, physics equations, and simulation tools, and translate these modeling results into improvements in device and microsystems performance.

The candidate must have a demonstrated track record of winning government R&D contracts. The candidate must have strong organizational, leadership skills, and be good at working and negotiating with customers and partners. The candidate must have experience and a successful track record of understanding customer requirements, translating those into device and product requirements, writing research and development proposals, project cost estimating, budgeting, and program management.

Candidates must have experience in one or more of the following areas:

- atomic and/or quantum devices and systems;
- optical, electro-optical, and photonic devices systems;
- RF devices and circuits;
- MEMS device design, processing, and testing;
- Microsystem integration and packaging;
- Nanotechnology;
- Applications include but are not limited to: inertial sensor and systems; precision timing and frequency standards; avionics systems; RF communications; system health monitoring; and chemical and biological sensing.

This position reports to the Sr. Technology Manager of Advanced Sensing Technologies. Relocation Assistance is available for this position.

BASIC QUALIFICATIONS

- Ph.D. degree in Physics, Electrical Engineering, or equivalent science or engineering degree is required.
- At least 5 years of postdoctorate or industry experience in a laboratory research environment (or 3 years of prolific and strong performance), and a demonstrated record of successfully managing large technology
development programs, understanding customer requirements, translating those into device and product requirements, and briefing customers on program status.

- A demonstrated track record of winning multiple R&D contracts (> $1M/year) over the last five (5) years from government funding agencies. Must be able to manage the proposal process, make technical presentations, work closely with technical customers to define program objectives and needs, put together proposal teams, define winning statements-of-work, estimate project costs, and define schedules.
- Ability to travel (10-20%)
- The candidate must be a US citizen, with the necessary background to successfully procure a U.S. security clearance if required or she/he must be a permanent resident, already in the naturalization process, expecting citizenship in the next 12 months or so.
- Must have strong communication and presentation skills.

Candidates must have experience in one or more of the following areas:

- atomic and/or quantum devices and systems;
- optical, electro-optical, and photonic devices systems;
- RF devices and circuits;
- MEMS device design, processing, and testing;
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- Nanotechnology;
- Applications include but are not limited to: inertial sensor and systems; precision timing and frequency standards; avionics systems; RF communications; system health monitoring; and chemical and biological sensing.

ADDITIONAL QUALIFICATIONS

- Prior experience working on government R&D projects from DARPA or DOD; NASA; Homeland Security; or classified U.S. government agencies.
- An active U.S. security clearance is desirable.
- Record of technical publications and/or patents is highly preferred.

As an Equal Opportunity Employer, we are committed to a diverse workforce.

To apply for the position,

1. Please go to: http://www.honeywell.com/careers/jobsearch.html or, copy and paste the following link to your Browser’s address box: https://honeywell.taleo.net/careersection/9/jobdetail.ftl?lang=en&job=1024532
2. Look for Requisition # 94484
3. Apply online with a Word-formatted resume detailing your relevant coursework and experience.