



معهد قطر لبحوث الحوسبة  
Qatar Computing Research Institute

عضو في مؤسسة قطر  
Member of Qatar Foundation

## **Scientist / Senior Scientist - CS&E**

Qatar Computing Research Institute (QCRI) is seeking candidates for Scientist and Senior Scientist to work within the Computational Science and Engineering (CS&E) team. The CS&E group at the Qatar Computing Research Institute (QCRI) is engaged in forward-looking research aimed at developing the computing, communications, and storage infrastructures needed to solve the traditional large-scale scientific (biology, physics, chemistry, etc.) and engineering (automotive, transportation, energy, etc.) simulations as well as the emerging big data applications in social computing and data analytics. This comprehensive vision of CS&E is unique in that it extends the conventional compute-centric definition of high-performance computing (HPC) to new applications that are characterized by more diverse, less-structured, and possibly continuously-streamed data. A primary goal of the group is to research new software algorithms and hardware architectures that are more suitable for such applications and that can complement the classical supercomputers that were optimized for vector processing. Candidates for positions in this group should have a strong background in traditional HPC as well as in the new paradigms of cloud and distributed computing.

### **Job Description:**

- Scientists are expected to work in research teams, publish in top-tier conferences and journals, and collaborate with peer researchers and software engineers to develop solutions, necessary prototypes, and intellectual property in the form of disclosures and patent applications.
- Scientists are expected to contribute towards the research efforts of QCRI and to develop research expertise to tackle the research challenges of interest.
- In addition to the duties above, Senior Scientists are expected to have sufficient experience and accomplishments that qualify them to lead research projects and contribute to the broad research community beyond QCRI.

### **Skills and Experience:**

- **Scientist:** must hold a PhD degree from a recognized institution, must have demonstrated potential for excellence in research, should have at least one year of post-PhD research.
- **Senior Scientist:** must hold a PhD degree from a recognized institution, must have a strong track record of research achievements and publications, should have at least four years of post-PhD research.

### **Requirements:**

- PhD in computer science or a related field from a top-tier institution.
- A strong record of major accomplishments.
- Strong publication record in tier 1 conferences and journals. Contributions to the community in the form of reviewing, mentoring students, organizing workshops and tutorials.
- The candidate must be a mature scientist with both theoretical and applied skills.
- Strong communication and collaboration skills.

### **Research at QCRI:**

[QCRI](http://www.qcri.qa) supports Qatar Foundation's mission by helping to build Qatar's innovation and technology capacity. It is focused on tackling large-scale computing challenges that address national priorities for growth and development. Moreover, QCRI is a national research institute conducting world-class applied computing research that transforms the way we interact with each other, enables new discoveries, and accelerates development of society.

A proud member of [Qatar Foundation for Education, Science and Community Development](#), QCRI is building a multidisciplinary research group in computer science with passion for innovation and excellence in research. The QCRI research program offers a collaborative, multidisciplinary team environment, endowed with a comprehensive support infrastructure.

**Research in Qatar:**

Qatar has made a commitment to be a leading center for research and development excellence and innovation. Home to a globally regarded scientific research funding organization, a world-class hub for technology innovation and commercialization, and prominent research institutes operating at the frontiers of science, Qatar Foundation Research and Development is spearheading a national endeavor to fulfill this commitment.

The country is home to branch campuses of numerous world-renowned universities such as Carnegie Mellon University, Texas A&M University and Georgetown University, major oil and gas companies, telecommunication companies, and international media organizations such as Al Jazeera. These local institutions offer opportunities for research collaboration to tackle new computing research challenges of practical importance.

**Package:**

*QCRI offers a unique opportunity for strong research careers and a highly competitive compensation package including attractive tax-free salary and additional benefits such as furnished accommodation, excellent medical insurance, annual paid leave, and more.*

*To apply, please [click here](#) and select “Scientist– CS&E” or “Senior Scientist– CS&E.”*

