



معهد قطر لبحوث الحوسبة
Qatar Computing Research Institute

عضو مؤسسة قطر Member of Qatar Foundation

Postdoctoral Researchers- CS&E

We invite applications from researchers to join the Computational Sciences & Engineering (CS&E) group at Qatar Computing Research Institute (QCRI) as post-doctoral researchers. QCRI's CS&E group 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:

- Your work will be primarily with one of our scientists with a focus on one particular area of research. Please indicate in your application with which scientist you would prefer to work.
- Your work will contribute towards publications in top tier conferences and journals, for a list of target venues see our [recent publications](#) page.
- Your work may also contribute to research prototypes and/or intellectual property in the form of disclosures and patent applications.

Requirements:

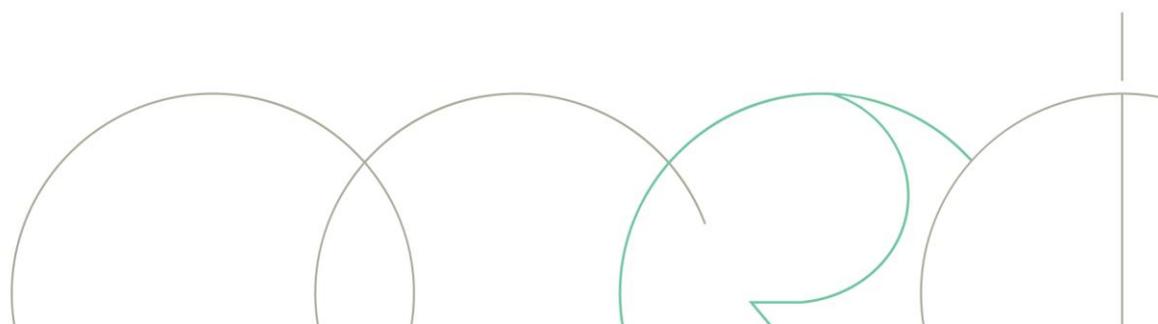
- Postdoctoral Researcher (1 year, renewable):
 - PhD in computer science or a related field from a top-tier institution.
 - Strong record of major accomplishments and publications.
 - Strong communication skills: must be fluent in English.
 - Strong collaboration skills: must be willing to work with an international team of scientists from very diverse backgrounds.

Research at QCRI:

[QCRI](#) 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.

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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 “Post Doc– Computational Sciences & Engineering.”

