



Center for Quantum Information and Control (CQuIC)
University of New Mexico, MSC07 4220
Albuquerque, NM 87131-0001

The Center for Quantum Information and Control (CQuIC, <https://cquic.unm.edu>) at the University of New Mexico invites applications for Postdoctoral Fellows in theoretical quantum information science. Research at CQuIC covers a range of foundational and applied investigations on topics including quantum computation, simulation, control, measurement, and communication. CQuIC is also a participant in the newly funded NSF Quantum Leap Challenge Institute, Q-SEnSE: Quantum Systems through Entangled Science and Engineering. Postdoctoral Fellows will have the opportunity to conduct independently guided research and also to work and collaborate with other theorists and experimentalists at CQuIC and our partner institutions, including the University of Arizona, Sandia, and Los Alamos National Labs.

Located in the city of Albuquerque, New Mexico, the Center has contributed to research and education in quantum information theory for over 25 years. CQuIC is located within a new, state-of-the-art research facility, the Physics and Astronomy and Interdisciplinary Science (PAÍS) center.

Successful applicants will have the opportunity to pursue independent lines of research, to work with CQuIC faculty members, including experimentalists, and to interact with leading researchers at nearby Los Alamos National Laboratory, Sandia National Laboratories, and our partners at the University of Arizona.

Minimum Qualifications:

A successful applicant must have completed all requirements for a PhD in physics or a related discipline by the time of employment.

Preferred Qualifications:

1. A record of accomplishments as a theorist in some part of quantum information science;
2. Potential for research accomplishment at CQuIC;
3. Potential to contribute to center-wide research-training and professional-development activities;
4. Potential to work productively with CQuIC personnel at all levels;
5. Specific interest in CQuIC research areas;
6. A demonstrated commitment to diversity, equity, inclusion, and student success, including experience working with broadly diverse communities.

The initial term of appointment is two years with the possibility of extension to a third year, with a starting salary of at least \$62,000 per year plus benefits and an additional stipend for domestic and international travel expenses. Albuquerque offers a rich cultural environment in a low cost-

of-living city, with beautiful weather, hiking, nearby skiing, and other many other outdoor activities.

Applicants must apply at UNMJobs

<https://unm.csod.com/ux/ats/careersite/18/home/requisition/10845?c=unm>

Applicants must submit a cover letter, a CV (including list of publications), and a statement of research interests and plans. Applicants must specify the names, affiliations, and e-mail addresses of three references and ask each of their references to submit a letter of recommendation to cquic@unm.edu.

Review of applications will commence on November 1, 2020 but applications will be considered until the positions are filled.

The University of New Mexico is an Equal Opportunity/Affirmative Action employer and educator. CQuIC is committed to assembling a diverse work force of researchers in quantum information science. Qualified women and minorities are strongly encouraged to apply.