Faculty positions in theoretical and experimental quantum physics at the University of Oklahoma

The Homer L. Dodge Department of Physics and Astronomy at the University of Oklahoma (OU) invites applications for five faculty appointments in the areas of Atomic, Molecular, and Optical (AMO) and Condensed Matter (CM) physics. The hires are part of an initiative in fundamental research that enables quantum technology. The Center for Quantum Research and Technology (CQRT) has recently been established with support from donor endowments, the state legislature, and the university. A new state-of-the-art physics building hosts 18,000 square feet of laboratory space that meets NIST-A specifications on vibrations, temperature, humidity, and electromagnetic interference. Campus resources include cleanroom facilities and supercomputer access.

**Position 1:** Director of the CQRT and Homer L. Dodge Chair in AMO or CM physics. Candidates are expected to be internationally recognized leaders in their field. The Center Director will take the lead role in determining the scientific direction of the CQRT through hiring of Center faculty and allocation of Center resources. This endowed position comes with an annual research stipend. Start-up funds commensurate with the candidate's research agenda will be made available. Please contact Michael Santos (msantos@ou.edu) if you have questions regarding this position. To submit your application, go to [https://apply.interfolio.com/66266](https://apply.interfolio.com/66266).

**Position 2:** Tenure-track Assistant Professor or Associate/Full Professor in experimental quantum physics with a research focus in AMO physics. Exceptional candidates will be considered for an endowed Chair position. Please contact Alberto Marino (marino@ou.edu) if you have questions regarding this position. To submit your application, go to [https://apply.interfolio.com/66271](https://apply.interfolio.com/66271).

**Positions 3 and 4:** Tenure-track Assistant Professor or Associate/Full Professor in experimental quantum materials or quantum physics with a research focus in CM physics. Two positions are available. Exceptional candidates will be considered for an endowed Chair position. Please contact Michael Santos (msantos@ou.edu) if you have questions regarding these positions. To submit your application, go to [https://apply.interfolio.com/66239](https://apply.interfolio.com/66239).

**Position 5:** Tenure-track Assistant Professor or Associate/Full Professor in theoretical quantum physics with a research focus in AMO or CM physics. Exceptional candidates will be considered for an endowed Chair position. Please contact Doerte Blume (Doerte.Blume-1@ou.edu) if you have questions regarding this position. To submit your application, please go to [https://apply.interfolio.com/66276](https://apply.interfolio.com/66276).

Applicants should have earned a Ph.D. in physics or a related field and have post Ph.D. experience. Successful candidates are expected to teach effectively at both the undergraduate and graduate levels (one class per semester), maintain an outstanding record of original published research, and develop an independent, internationally recognized, externally funded research program that complements and expands existing research efforts at OU on ultracold atoms, molecules, and gases; microelectronic, photonic, and quantum
devices; quantum optics; precision spectroscopy; quantum information and entanglement; scanning probe microscopy; quantum, topological, and strongly-correlated materials. The department is interested in candidates who have a demonstrated commitment to excellence by providing leadership in teaching, research, or service toward building an equitable and diverse scholarly environment.

Applications consisting of a cover letter, CV, list of publications, statement of research interests, and statement of teaching interests should be uploaded directly to the web addresses provided above. Applicants for the Center Director position should submit names and contact information for five references through interfolio. Applicants for all other positions should arrange for the submission of three letters of reference through interfolio. Screening of applications will begin October 20, 2019. These positions will remain open until filled.

OU is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and serving the educational, cultural, economic and healthcare needs of the state, region, and nation. The 277-acre Research Campus in Norman was named the #1 research campus in the nation by the Association of Research Parks in 2013. Additional Information can be found at the following links:
http://nhn.ou.edu
http://www.ou.edu/publicaffairs/oufacts.html
http://www.ou.edu/content/dam/provost/documents/facultyflipbook.pdf

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