



ASSISTANT, ASSOCIATE OR PROFESSOR OF QUANTUM SCIENCE AND ENGINEERING-CLUSTER HIRE

Employer: University of Wisconsin-Madison

Location: Wisconsin, United States

Salary: Salary Not specified

Posted: Sep 25, 2019

Position Type: Faculty Positions, Science, Technology & Mathematics, Biotechnology & Bioengineering, Engineering, Geology & Earth Sciences, Other Science & Technology, Physics & Space Sciences

Employment Type: Full Time

Job No: 100655-FA

Work Type: Faculty-Full Time

Department: L&S/PHYSICS/PHYSICS

Location: Madison

Categories: Instructional, Research, Scientific

Position Summary

This position is part of a campus-wide cluster hiring initiative to expand and broaden expertise in quantum science and engineering at UW-Madison. As part of the initiative there are new position vacancies in the Departments of Physics (PVL 100655), one being recruited in Electrical & Computer Engineering and one recently filled in Materials Science & Engineering. It is anticipated that the successful candidate in physics will develop strong collaborations with the existing quantum research at UW Madison, as well as with other hires under this cluster program, and with external research centers. Further information regarding this initiative can be found at: <https://facstaff.provost.wisc.edu/cluster-hiring-initiative/>

The department of Physics has strong experimental and theoretical programs in qubit devices based on neutral atoms, quantum dots, and superconductors, as well as related areas of quantum materials, quantum optics, quantum sensors, and quantum information theory. We are interested in candidates who will strengthen any of the above areas or establish related research groups.

UW-Madison is seeking a diverse set of faculty candidates who will deepen our campus' interdisciplinary research strength in key areas of current and future research promise, as well as faculty candidates who will approach their work in a manner that advances our commitment to research excellence.

Principal Duties

The candidate will be expected to perform teaching, service duties, and continued high-impact scholarly research in the Department of Physics. Undergraduate and graduate classroom teaching and individual instruction as well as supervision of graduate thesis research will also be required. Professional and university service is required as appropriate.

Institutional Statement on Diversity

Diversity is a source of strength, creativity, and innovation for UW Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals.

The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background - people who as students, faculty, and staff serve Wisconsin and the world.

For more information on diversity and inclusion on campus, please visit: [Diversity and Inclusion](#)

Degree and Area of Specialization

Ph.D. in Physics, with specialization in theoretical or experimental quantum science, or related scientific field

Minimum Years and Type of Relevant Work Experience

Tenure-track candidates are required to have a minimum of 3 years post doctoral research experience in theoretical or experimental quantum information science.

Tenure candidates must possess extensive experience and be able to demonstrate a track record of innovation and world-class research accomplishments in theoretical or experimental quantum information science broadly interpreted as research in foundations and applications of quantum mechanical phenomena to information processing, computation, simulation, metrology, or sensing. Applicants with focused experience drawing from a range of subfields including atomic, optical, condensed matter, and information theory will all be given full consideration. In addition, the candidate must possess credentials which meet the requirements for full or associate professor with tenure as determined by the Committee of the Physical Sciences Division.

Department(s): A486700-COL OF LETTERS & SCIENCE/PHYSICS/PHYSICS

Work Type:

Full Time: 100%

Appointment Type, Duration: Ongoing/Renewable

Anticipated Begin Date: AUGUST 17, 2020

Salary: Negotiable ACADEMIC (9 months)

Instructions to Applicants

Candidates must apply online at jobs.wisc.edu; search for position 100655 and click on "".

Applicants must

upload the following:

- Cover Letter/Statement of Interest
- CV with publications
- One document that contains both: Research Statement and Teaching Statement

In addition, candidates will be asked to provide contact information for three references; these references will each receive an electronic link through which they can upload a signed letter of reference. If candidates would like to include more than three references, please send the name and email contact for these additional references to info@physics.wisc.edu.

The deadline for ensuring full consideration is December 1, 2019, however the position will remain open and applications may be considered until the position is filled.

The University of Wisconsin-Madison is an equal opportunity and affirmative action employer; we promote diversity and inclusion for all faculty, staff and students and encourage all qualified candidates to apply. Unless confidentiality is requested in writing, information regarding applications for this position must be released upon request. Finalists cannot be guaranteed confidentiality. Employment will require a criminal background check.

The department is strongly committed to having a diverse faculty and student body. Candidates from traditionally under represented groups are strongly encouraged to apply. UW-Madison is seeking a diverse set of faculty candidates who will deepen our campus' interdisciplinary research strength in key areas of current and future research promise, as well as faculty candidates who will approach their work in a manner that advances our commitment to research excellence.

Contact

Mark Saffman

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608-263-2267

Relay Access (WTRS): 7-1-1 (out-of-state: TTY: 800.947.3529, STS: 800.833.7637) and above
Phone number (See RELAY_SERVICE for further information.)

Official Title

PROFESSOR(C20NN) or ASSOCIATE PROFESSOR(C30NN) or ASSISTANT
PROFESSOR(C40NN)

Employment Class: Faculty

Job Number: 100655-FA

The University of Wisconsin is an Equal Opportunity and Affirmative Action Employer. We promote excellence through diversity and encourage all qualified individuals to apply.

If you need to request an accommodation because of a disability, you can find information about how to make a request at the following website: <https://oed.wisc.edu/disability-accommodation-information-for-applicants/>

Employment will require a criminal background check. It will also require you and your references to answer questions regarding sexual violence and sexual harassment. The University of Wisconsin System will not reveal the identities of applicants who request confidentiality in writing, except that the identity of the successful candidate will be released. See Wis. Stat. sec. 19.36(7).

The Annual Security and Fire Safety Report contains current campus safety and disciplinary policies, crime statistics for the previous 3 calendar years, and on campus student housing re safety policies and re statistics for the previous 3 calendar years. UW-Madison will provide a paper copy upon request; please contact the University of Wisconsin Police Department.

Applications Open: Sep 25 2019 Central Daylight Time

Applications Close: