

Assistant or Associate Professor - Tenure-track (Ultrafast AMO Theory)

Job Description: The Department of Physics and Astronomy at Louisiana State University (LSU) invites applications for an Assistant Professor in the area of Ultrafast Atomic, Molecular, and Optical (AMO) sciences, starting August 2022. An appointment at the assistant professor level is expected; exceptionally well-qualified candidates may be considered for an associate professor tenure-track position.

Candidates are expected to have an established record in Ultrafast AMO theory or a closely related field and to build a competitive research program that complements our existing programs in ultrafast and AMO physics. A strong background in time-dependent quantum dynamics, large-scale computation, and/or research interests that strengthen our connection to science done at ultrafast X-ray facilities are desirable. The successful candidate will be expected to teach at the graduate and undergraduate levels and to mentor students at all levels.

The Department of Physics and Astronomy is one of LSU's premier research departments with 47 faculty members, 17 postdoctoral researchers, 100 graduate students, and 30 staff. It consists of faculty working in a broad range of disciplines, including AMO physics, quantum information science, condensed matter physics and materials science, astrophysics, space physics, neutrino physics, high energy and nuclear physics, theoretical general relativity, gravitational wave detection, and medical physics. Grant and contract support totals more than \$6.2 million per year. Major research facilities available to faculty include the LSU High Performance Computing Center with excellent access to supercomputing resources and support, the interdisciplinary research Center for Computation and Technology (CCT), LSU's Center for Advanced Microstructures and Devices (CAMD), and the NSF's Laser Interferometer Gravitational Wave Observatory (LIGO). See <https://www.lsu.edu/physics/> for complete information. LSU is the flagship institution of the Louisiana State University System. It is a Research I University with an enrollment of 34,000 students, including 6,000 at the graduate level. For more information visit: <http://www.lsu.edu>.

To apply: For more information and to access the application portal, use the following link: <https://lsu.wd1.myworkdayjobs.com/LSU/job/0202-JW-Nicholson-Hall/Assistant-or-Associate-Professor---Tenure-track--Ultrafast-AMO-Theory- R00062156-1>. The anticipated hire date is Fall 2022. Salary will be commensurate with qualifications and experience. An offer of employment is contingent on a satisfactory pre-employment background check. The committee will start reviewing applications January 10, 2022 and will continue until the position is filled. If you have questions, please contact Dr. Mette Gaarde, Search Committee Chair, at mgaarde1@lsu.edu.

LSU is an Equal Opportunity Employer: LSU believes diversity, equity, and inclusion enrich the educational experience of our students, faculty, and staff, and are necessary to prepare all people to thrive personally and professionally in a global society. We celebrate diversity and are committed to the principles of diversity and inclusion. We actively seek and encourage qualified applications from persons with diverse backgrounds, cultures and experiences. To learn more about how LSU is committed to diversity and inclusivity, please see LSU's [Diversity Statement](#) and [Roadmap](#). Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact the Office of Human Resource Management (hr@lsu.edu).