

UNIVERSITY OF ALABAMA at BIRMINGHAM (UAB)
Assistant Professor Position – Experimental Condensed Matter Physics

The UAB Department of Physics, <https://www.uab.edu/cas/physics/>, invites applications for an Assistant Professor tenure-track faculty position (9-month appointment) that will strengthen the Department's program in **Materials under Extreme Conditions**. A qualified applicant will have a Ph.D. in Physics or a related field. Research areas of interest include (but are not limited to) dynamic compression of materials, laser shock compression and ultrafast diagnostics, and phase transitions in compositionally complex materials under extreme pressures, temperatures, and strain rates. The faculty member will become part of a newly awarded DOE NNSA Center of Excellence in additively manufactured complex systems under extremes in the physics department at UAB. We are looking for an innovative and inclusive new faculty member with an outstanding publication record and a strong commitment to excellence and diversity in research, teaching, outreach, and student research supervision at both graduate and undergraduate levels. Screening of applications will begin on December 15th, 2023, and continue until the position is filled. The application materials must include: (i) short letter clearly explaining the applicant's research and extramural funding ideas and the candidate's qualifications and interests relevant to this position, (ii) full curriculum vitae, (iii) statement of both past and planned research projects, (iv) brief description of teaching and mentoring interests and diversity, equity, and inclusion philosophy, (v) contact information for three references. All applications will be handled through <https://uab.peopleadmin.com/postings/19533>. For more information, please contact the search committee chair Yogesh Vohra, ykvohra@uab.edu.

The University of Alabama at Birmingham (UAB) is a comprehensive urban university with the nation's third-largest public hospital, which has rapidly evolved into a world-renowned research university and health care center that ranks in the top ten nationally for student diversity. With over 22,500 students and 2,459 full-time faculty members, and a campus covering more than 100 city blocks, UAB ranks in the top 20 public universities for federal research funding and is the major research and teaching university in Alabama. Interdisciplinary scholarship and teaching are prominent. UAB was recently named America's No. 1 Best Large Employer and America's No. 4 Best Employer for Diversity (Forbes, 2021). Times Higher Education has ranked UAB No. 1 Young U.S. University for two years in a row, top 10 worldwide. We are also a founding partner of Innovation Depot, the largest high-tech incubator in the southeast, whose economic impact between 2010 and 2015 was \$1.38 billion. UAB research funding is at an all-time high of over \$700M, while the Physics footprint continues to grow with the new state-of-the-art Science and Engineering Complex that opened in Fall 2023. The Department of Physics is experiencing growth fueled by its focus on Advanced Materials, Optics, and Computation, as well as using emerging technologies to provide equal opportunities for high-quality education across geographical, socio-economic, and gender boundaries. Our research-driven and student-centric Physics Program has witnessed an increase to historic height of Physics majors and students taught. Birmingham is the largest city in Alabama, noted for its vibrant music scene, fine dining, warm weather, excellent schools, and a culture embracing diversity within driving distance to Atlanta, Memphis, Nashville, and New Orleans.

The College of Arts and Sciences (CAS) treasures the rich diversity of our student body and is committed to their success. Members of the CAS community are expected to reflect our values for inclusive excellence in both our work and learning environment as well as in our efforts to serve and engage the community.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of race, national origin, age, genetic or family medical history, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.

A pre-employment background investigation is performed on candidates selected for employment.