

The College of Engineering at Purdue University have identified spintronics and nanomagnetism as one of the strategic growth areas that emphasize team based research with a focus on the potential for impact. Spintronics is a new emerging field of basic and applied research where the spin degree of freedom of the electron is exploited either instead of or in addition to the conventional charge based electronics. While the use of spintronics is already demonstrated in memory-storage technology, the promise of non-volatility, low power consumption, and large integration densities expands its potential to the field of information processing. The new spintronics initiative will build on the existing strength of Purdue in nano-electronics led by the Network for Computational Nanotechnology and the Birck Nanotechnology Center, and merge the field of nanomagnetism to develop cross-disciplinary education and research. The emerging field will span fundamental science to circuits and systems, including physical theory and modeling, materials science, device and circuit implementation and novel architecture designs, and is now accepting applications for one tenured or tenure track faculty position at the Assistant, Associate, or Full Professor level.

Candidates must hold a Ph.D. degree in Engineering, Science or a related field. Specific research fields of interest include, spintronic material growth and characterization, spintronic device fabrication and measurements. Candidates should have a distinguished academic record, exceptional potential for in-depth research, and a commitment to teach in both undergraduate and graduate programs. Successful candidates will teach undergraduate and graduate courses in curricular areas of their affiliated schools and in topics related to spintronics, will conduct original research in their field of expertise, will advise graduate student research, will publish and present research findings, will participate in professional activities, and will perform service both at the School and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply. The primary faculty appointment will be in a school of the College of Engineering or/and a department of the College of Science, and will depend on the candidate's qualifications.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans, and names of three references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering at [coeacademicaaffairs@purdue.edu](mailto:coeacademicaaffairs@purdue.edu). Review of applications will begin on March 1<sup>st</sup> 2018 and will continue until the positions are filled. A background check will be required for employment in these positions.

Purdue's main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities and events, and industries. Purdue and the College of Engineering have a [Concierge Program](#) to assist new faculty and facilitate their relocation.

*Purdue University is an EEO/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, LGBTQ, and veterans are encouraged to apply.*