PURDUE UNIVERSITY

COLLEGE OF ENGINEERING
FACULTY POSITION IN THE SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING
COMPUTATIONAL ELECTROMAGNETICS

The School of Electrical and Computer Engineering at Purdue University invites applications for a tenured or tenure-track position at the assistant or associate professor level. Purdue University seeks to attract exceptional candidates with interests and expertise in computational electromagnetics (CEM), with a preference for those who will develop sophisticated computational algorithms and connect classical electromagnetics to quantum technology frontiers or to other areas such as power electronics, communications, biomedicine, electromagnetic interference and electromagnetic compatibility, materials, photonics, and circuits. Successful candidates must hold a Ph.D. degree in electrical and computer engineering or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service both at the School and University levels.

The School of Electrical and Computer Engineering at Purdue University is among the largest in the nation with over 100 faculty members, $41M research expenditures, and seven members of the National Academy of Engineering. Recent awards include Centers for Brain Inspired Computing and for High Assurance Compositional Cryptography: Languages and Environments, multiple SRC centers on 2-dimensional materials and spintronics, and grants from DARPA's Electronics Resurgence Initiative (ERI) Intelligent Design of Electronic Assets (IDEA) program. The School has a long tradition of excellence in computational research including creating the Nanohub gateway in 2002 that has over 1.5M users and hosts over 600 simulation tools. More than twenty ECE faculty, including two NAE members, work in the area of electromagnetic fields and optics, with interests ranging from computational electromagnetics (CEM) fast direct solvers for scattering and circuits applications to leading edge experimental, numerical, and theoretical research in quantum- and nano-photonics. Faculty regularly collaborate with each other and with colleagues in other areas of ECE, in other Schools of Engineering, and in Science.

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (8th for graduate programs and #9 for undergraduate per USWNR, 2019) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Submit applications online at
https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=7376&company=purdueuniv&username
including curriculum vitae, teaching and research plans, and names of three to five references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on October 1, 2019 and will continue until position is filled. A background check will be required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. Purdue University's School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in their cover letter,

indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Greater Lafayette Indiana is home to Purdue University and is one of the fastest growing communities in the Midwest. Subaru of Indiana Automotive, Caterpillar, Corteva Agriscience, Rolls-Royce, GE Aviation, Schweitzer Engineering Laboratories, Wabash National, Saab Global Defense and Security Company, high tech firms and small businesses all call Greater Lafayette their home. The Purdue Research Foundation's flagship incubator, the Purdue Research Park, is the largest university-affiliated business incubation complex in the country, and Purdue Research Foundation operates one of the most comprehensive technology transfer programs among leading research universities in the United States. Conveniently located between Chicago and Indianapolis, Greater Lafayette is also near several other major metropolitan cities. Visit Lafayette-West Lafayette and Greater Lafayette Commerce are resources that highlight our great community.