PURDUE
UNIVERSITY

College of Engineering

Faculty Position in Smart Health Engineering

Smart (and connected) health engineering aims to accelerate the development and use of innovative approaches to transform healthcare, both domestically and globally, from a reactive and hospital-centered care delivery mode to one that is preventive, proactive, evidence-based, and person-centric. In addition, the focus of healthcare delivery is shifting from disease to well-being, which is expected to improve the life course of our population (especially those in vulnerable populations) with the aid of smart sensing, computing, and communication devices.

We are seeking one highly qualified individual in the broad area of smart health engineering. Areas of emphasis include healthcare analytics, decision support systems, point of care technologies, biomedical remote sensing, healthcare logistics, capacity and demand management, information and machine learning technology, global and rural health, and healthcare behavior and incentives. Candidates with an outstanding record of translating effective solutions to satisfy the multiple constraints arising from clinical needs, social interactions, cognitive limitations, barriers to behavior change, heterogeneity of data, and limitations of current cyber-physical systems, will be favored.

New faculty are sought to build strong research programs within the College of Engineering, primarily the Weldon School of Biomedical Engineering, School of Electrical and Computer Engineering, and School of Industrial Engineering, through collaboration with Purdue's Regenstrief Center for Healthcare Engineering (RCHE) as well as a large body of the Purdue College of Engineering faculty. Our goal is to rapidly build a critical mass in the area of smart health engineering in order to achieve academic preeminence at the international stage, and thereby have the capacity of making extraordinary impact on healthcare delivery and community engagement.

Candidates must hold a Ph.D. in engineering, computer science, operations research, statistics, or a related field. The focus is on the assistant professor level, but outstanding individuals at all levels of experience will be considered. The successful candidates will be expected to develop strong, externally-funded research programs, teach undergraduate and graduate level courses, advise graduate students, and perform service both at the School and University levels.

The College of Engineering is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter; indicating their experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Submit applications online at https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications, including curriculum vitae, teaching and research plans, and names of five references. For information/questions regarding applications, contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. For questions regarding the position, email the search committee chair, Professor Nan Kong - nkong@purdue.edu. For application submission questions, email Ms. Lisa Stacey – staceyl@purdue.edu. Review of applications will begin on **September 30, 2017** and will continue until positions are filled. A background check will be required for employment in this position.

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