



## COLLEGE OF ENGINEERING

### FACULTY OF PRACTICE POSITION IN SYSTEMS

The Purdue Systems Collaboratory invites applications from outstanding candidates as a Faculty of Practice at the Assistant, Associate or Full Professor level. This faculty member will join a vibrant, multi-disciplinary community of scholars who are committed to building the science of systems needed to enable effective next-generation complex systems that provide many vital societal needs. As a Professor of Practice, the faculty member will educate students about the methods, theories and practices needed to deal with complex systems challenges, so that those students can lead efforts to address many of the societal grand challenges of the 21<sup>st</sup> century.

We expect the candidates to have practical domain expertise that will complement Purdue's strengths in areas of national need, such as energy systems, manufacturing and service industries, transportation infrastructure, water network, global enterprises, defense systems, climate/environment and ecology, and healthcare policy and delivery. The candidates will also have expertise in systems-relevant topics such as – but not limited to – practical systems thinking, the interface of technology and policy, decision-making and human choice, policy mechanism design, and design thinking.

We are seeking highly qualified, creative individuals with either: a Ph.D. or equivalent doctoral level degree(s) in engineering or related field; or at least five years of experience in industry and/or government related fields relevant to systems; or an equivalent combination of education and experience. The three year, renewable, non-tenure track Faculty of Practice appointment will be at a rank (Assistant / Associate / Full) commensurate with the candidate's credentials in the School(s) within the College of Engineering – or with a joint appointment with a School or Department in other Colleges at Purdue – that best match the candidate's education, experience and interests.

The Faculty of Practice will leverage their experience to lead the educational and engagement efforts of the *Purdue Systems Collaboratory*. They will develop and teach courses in systems and facilitate interactions with collaborators inside and outside Purdue University. Because the Purdue Systems Collaboratory includes faculty participation and support from across Purdue, the Professor of Practice will have collaborative opportunities with educators across Purdue's world-renowned Colleges. In addition, tremendous opportunities for collaboration also exist with large number of manufacturing, information, healthcare, and energy industries in the region.

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

Nominations and inquiries should be addressed to the Chair, Systems Faculty Search Committee, College of Engineering, Purdue University ([systems-facsearch@purdue.edu](mailto:systems-facsearch@purdue.edu)). Applications must be submitted online at: <https://engineering.purdue.edu/Engr/InfoFor/Employment>, and include curriculum vitae, plans for leadership in teaching and engagement and names and addresses of four professional references. For questions regarding the application contact the Office of Academic Affairs, College of Engineering, at [coeacademicaffairs@purdue.edu](mailto:coeacademicaffairs@purdue.edu).

Screening of candidates will begin as of August 10<sup>th</sup> 2018 and will continue until the position is 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, events and industries. Purdue and the College of Engineering have a [Concierge Program](#) to assist new staff and faculty and their partners regarding dual career needs and facilitate their relocation.

*Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*