



Faculty Job Openings | Tenure-Track Positions

<https://www.ae.psu.edu/faculty-job-openings.aspx>

The Department of Architectural Engineering (AE) at The Pennsylvania State University (University Park, PA) invites applications for multiple anticipated full-time, tenure-track faculty positions open to all ranks. Co-hires with other departments and institutes within Penn State will be considered commensurate with the candidates' expertise.

Emphasis on Smart and Connected Systems: The candidates should have expertise in improving the design, construction, operation and maintenance of smart and connected buildings and communities. Successful candidates will have deep knowledge of building systems and the potential to integrate perspectives from other disciplines which may include, but are not limited to, scientific computing, data analytics, artificial intelligence as applied to building process integration, distributed energy and smart grids, cyber-physical systems, and integrated delivery.

Emphasis on Interactions between Buildings and People: The candidate should have expertise in improving the understanding of the dynamic relationships between buildings and their occupants, stakeholders, and design participants. Successful candidates will have deep knowledge of social and behavioral science methodologies as applied to the design, construction and operations of buildings. We invite applications from candidates with interests in team organization for the design and construction of buildings, occupant interaction with buildings, the effects of indoor environmental quality on occupant health, well-being, and productivity, and human-technology interaction.

Emphasis on Advancement of Building Materials: The candidate should have expertise in emerging building materials and processes through the adaptation and integration of advanced computational and/or experimental technologies. Successful candidates will have deep knowledge of predictive modeling, prototyping, experimental validation and iterative mathematical approaches for the design of new building materials to improve building performance and constructability.

Development of an externally funded interdisciplinary research program, supervision of graduate students conducting research, and teaching at both the undergraduate and graduate levels are requirements of the positions. Candidates should hold an earned doctorate in architectural engineering or a closely related discipline.

The candidates will have the opportunity to contribute to existing interdisciplinary university-wide organizations, including the Sustainability Institute, Social Science Research Institute, Materials Research Institute, the Applied Research Laboratory, and the Penn State Navy Yard Living Laboratory, among others. Review of applications will begin on November 13, 2018 and continue until the positions are filled.

Review of applications will begin immediately and continue until the positions are filled. The anticipated start date is August 2019. Applications should include cover letter, full curriculum vitae, statement of professional interests addressing both teaching and research, and contact information for three references. Please choose one of the three emphasis categories noted above and designate it in the first paragraph of your cover letter. More information about the department is available at www.ae.psu.edu.

Inquiries can be directed to Professor M. Kevin Parfitt, Search Committee Chair, Department of Architectural Engineering, 104 Engineering Unit A, University Park, PA 16802; email: mkp@psu.edu; telephone: 814-863-3244.

To visit the job posting and to apply, visit <https://psu.jobs/job/82875>.