



**COLLEGE OF ENGINEERING
FACULTY POSITION IN THE LYLES SCHOOL OF CIVIL ENGINEERING
AUTONOMOUS AND CONNECTED SYSTEMS**

The Lyles School of Civil Engineering at Purdue University invites applications for a tenure track Assistant or Associate Professor as part of Purdue Engineering's [Autonomous and Connected Systems](#) (ACS) Initiative. Purdue University seeks to attract exceptional candidates with interests and expertise in interdisciplinary transportation research with a focus on autonomous systems and artificial intelligence. Specific application areas of interest could include, but are not limited to: enabling technologies; planning and policy; impacts on safety, mobility, infrastructure design; human factors and socio-technical considerations; passenger and freight logistics; control and operations; smart mobility analytics; and ACS role in transportation system interdependencies. To complement Purdue's existing strengths and strong reputation in transportation systems, candidates are expected to have expertise in one or more methodological areas related to ACS (such as network modeling, data mining and analytics, economics and econometrics) and application areas related to ACS (such as transportation network systems, safe and resilient communities and infrastructure, emergency management, asset management, transportation planning, and traffic operations). Primary (majority) appointment is expected to be in Civil Engineering with a possible affiliation within complementary disciplines in engineering. The successful candidate must hold a Ph.D. degree in 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 Lyles School of Civil Engineering at Purdue University is ranked 6th in graduate programs and 5th in undergraduate programs according to latest USNWR rankings. Autonomous and Connected Systems (ACS) is a College of Engineering initiative that creates a community of scholars to advance the science and engineering of autonomy, robotics, and the internet of things (IoT). Purdue also has the Connected and Autonomous Vehicles (CAVs) initiative through the Discovery Park which serves as a hub for centers and ongoing programs on CAVs. More information on this initiative can be found at: <https://www.purdue.edu/discoverypark/cav/>. The school also hosts several interdisciplinary graduate and undergraduate programs focused on transportation, including online courses and a Civil Engineering professional Master's program. The successful candidate will be expected to participate in and contribute to these programs as well.

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 9th for undergraduate per USNWR, 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 using the below link

<https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=6794&company=purdueuniv&username=> including curriculum vitae, teaching and research plans, and names with contact information of four references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coecademicaffairs@purdue.edu. Review of applications will begin on **September 20, 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 Civil 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, Dow AgroSciences, 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. 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.

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