



Two Fully Funded PhD Positions are available in Dr. Phuong Nguyen's research lab in the Jerome J. Lohr College of Engineering at South Dakota State University. The PhD students will work on the following research areas:

- AI/ machine learning for construction and infrastructure decision-making.
- Occupational health and safety training.
- Highway safety policy and quality assurance.
- Post-disaster damage assessment using UAVs and computer vision.

The expected start date of the positions is **Spring 2027 or Fall 2027**. To apply, please send (1) your current CV and (2) a one-page description of your research interests and experience to Dr. Nguyen at Phuong.Nguyen@sdstate.edu. Applications will be reviewed as they are received. The positions are open until filled. Students will be admitted to the Ph.D. in Civil Engineering program and advised by Dr. Nguyen through the Department of Construction and Concrete Industry Management.

Requirements:

- Master's degree in Construction Management, Civil Engineering, or a related field.
- Programming and data analysis skills are preferred. Experience with machine learning, deep learning, reinforcement learning, computer vision, simulation, and/or wearable sensors will make your application stand out.
- General SDSU graduate admission requirements, including a minimum GPA of 3.0; GRE scores of at least 150 (Verbal) and 148 (Quantitative); and, for international applicants, TOEFL 575 (paper-based) or 90 (internet-based), IELTS 6.5 overall with 6.5 in speaking, or Duolingo 115.

Founded in 1881, South Dakota State University is South Dakota's largest and most comprehensive university and its public land-grant research institution, with more than 200 academic programs, an enrollment of approximately 12,000 students, and more than \$94 million in annual research expenditures. The Jerome J. Lohr College of Engineering is one of eight colleges within South Dakota State University. The College has a long record of fulfilling its land-grant mission in teaching, research, and outreach and comprises six departments: Agricultural and Biosystems Engineering; Civil and Environmental Engineering; Construction and Concrete Industry Management; Electrical Engineering and Computer Science; Mathematics and Statistics; and Mechanical Engineering. The Department of Construction and Concrete Industry Management has 13 full-time faculty members and serves 350 students in its undergraduate programs in Construction Management, Concrete Industry Management, and Manufacturing Automation and Electronics Engineering Technology. The Department of Civil and Environmental Engineering has 12 full-time faculty members and approximately 250 students in its B.S., M.S., and Ph.D. programs in Civil Engineering.