PhD Student Positions

Civil and Environmental Engineering

The Department of Civil and Environmental Engineering (CEE) at the South Dakota School of Mines & Technology invites applications for three PhD student positions. These positions are funded for four years. The desired start date for the positions is August 22, 2020. The successful applicants will possess an earned Bachelor of Science Degree in Civil and or Environmental Engineering or a closely related field, from an accredited university at the time of appointment, and have passed, or be able to pass the FE. Students with a Master of Science Degree are especially encouraged to apply. The successful applicants should have the vision and ability to participate in transdisciplinary research and communicate across disciplinary boundaries. Applicants must also meet the enrollment requirements for the institution and department. More information on enrollment requirements can be found at the SDSMT graduate education website and the CEE department website.

Applicants are sought for the intersection of Sustainable civil engineering and/or Sustainability with 1) Structural Engineering, 2) Water Resources and Environmental Engineering, and 3) Geotechnical Engineering. One PhD student will be hired in each of these three target areas to work with CEE faculty on technical research. Applicants with interests in entrepreneurship, product development, working in industry after graduation, development of patentable ideas and technology startups are particularly encouraged to apply.

The Department of Civil and Environmental Engineering currently has 14 full-time faculty with broad expertise in the areas of sustainability, structures, materials, geotechnical, water resources and environmental engineering. Department enrollment is approximately 250 undergraduate and 60 graduate students. The department supports minors in Environmental Engineering, Sustainable Engineering and Global Engineering. The Department offers an ABET-accredited B.S. degree in Civil Engineering as well as M.S. and Ph.D. degrees in Civil and Environmental Engineering and a MS in Construction Engineering Management. In addition, the CEE department is closely affiliated with the Center of Excellence for Advanced Multidisciplinary Projects (CAMP), Engineering Projects in Community Service (EPICS), the Arbegast Materials Processing and Joining (AMP) Laboratory, and the Composites and Polymer Engineering (CAPE) Laboratory to support student and faculty endeavors.

Established in 1885, the South Dakota School of Mines & Technology is a science and engineering research university located in Rapid City, South Dakota. South Dakota Mines is a public university offering bachelor's, master's, and doctoral degrees in engineering and science. Known for our academic rigor, we maintain a 15:1 student-to-faculty ratio. Our students benefit from immersive learning experiences including undergraduate research, co-ops/internships, and numerous nationally competitive engineering teams. Our graduates have a 97% placement rate. Our Research Programs are concentrated in four areas: energy and environment; materials and manufacturing; STEM education; and underground science and engineering.

South Dakota Mines is a growing university that enrolls around 2,700 students from 45 states and 35 countries. Rapid City is the state's second, largest city (with an urban population of 74,421 and metropolitan population of 199,656) and is nestled at the foot of the beautiful Black Hills. Mount Rushmore, the Badlands National Park and Crazy Horse Memorial are all within an hour of the University. Rapid City enjoys a relatively mild climate and offers year-round recreational opportunities, including, hiking, bicycling, skiing, snowboarding, fishing, and hunting, to name a few. For more information about South Dakota Mines and Rapid City, visit: [www.sdsmt.edu](http://www.sdsmt.edu) and <http://visitrapidcity.com/>.

South Dakota Mines is committed to recruiting and retaining a diverse workforce. Individuals interested in these positions should email Dr. Bret Lingwall at bret.lingwall@sdsmt.edu, with the following subject line: “SDSMT CEE PhD Program\_NAME”, with the applicant’s name in the appropriate location of the subject line. Include a brief cover letter, CV, certification of ability to work and study in the United States, and copies of relevant test scores (GRE, etc.). Review of applications will begin April 1, 2020. Employment is contingent upon completion of a satisfactory background investigation.

SD Mines is an EEO/AA/ADA employer & provider.