Department of Civil, Construction and Environmental Engineering

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OPUS
College of Engineering
MARQUETTE UNIVERSITY

Construction Engineering Faculty Position Announcement

Marquette University's Department of Civil, Construction and Environmental Engineering (CCEE) invites applications for a full-time, tenure-track assistant professor position in Construction Engineering to start in August 2021. The CCEE Department offers an ABET-accredited B.S. in Construction Engineering program, which is one of 17 such programs in the United States, as well as M.S. and Ph.D. degree programs in Civil Engineering with an emphasis on Construction Engineering. The CCEE Department is seeking candidates who can teach Construction Engineering related courses at both the undergraduate and graduate levels such as Construction Materials and Methods, Building Information Modeling, Construction Equipment, and Construction Estimation. It is highly desirable that the successful candidate must create new Construction Engineering courses at the graduate level. The successful candidate is expected to develop a nationally recognized research program in Construction Engineering with an emphasis on emerging technologies (e.g., AI, automation and robotics, drone, modeling, and virtualization), infrastructure construction and materials (e.g., concrete, steel, and composite), or construction support operations (e.g., productivity, quality , and safety). The successful candidate must secure external funding, supervise undergraduate and graduate students (M.S. and Ph.D.), and publish peer-reviewed papers in top ranked journals and leading conferences. The person must also preform service both on and off campus. Marquette's Construction Engineering program has an excellent relationship with the construction industry. The person must closely work with the construction industry, enhance existing relationships, and develop new relationships.

The CCEE Department (https://www.marquette.edu/civil-construction-environmental-engineering/), one of the four departments in the Opus College of Engineering (www.marquette.edu/engineering), maintains a student-centered focus on rigorously educating the next generation of leaders within the broad discipline of civil engineering and beyond. The Department currently serves approximately 270 undergraduate and 33 graduate students (roughly split equally between M.S. and Ph.D.). Marquette University, a leading Catholic, Jesuit institution founded in 1881, has a distinctive character that is derived from its balanced dedication to broad-based undergraduate education, high-quality graduate programs, and scholarly research, with an emphasis on a values-based approach that focuses on the personal growth of each individual student. Located in downtown metropolitan Milwaukee, Wisconsin, the University currently serves over 8,500 undergraduate and 3,300 graduate students. The urban location of the University is ideal as there exist many opportunities for local, state, and federal funding of infrastructure-related research.

Basic qualifications for the position include an earned Ph.D. degree (or passed Ph.D. defense and submitted the final dissertation) in either Construction Engineering or Civil Engineering/Architectural Engineering with an emphasis in Construction Engineering prior to starting career at Marquette; potential for teaching excellence, securing research funding, and high-quality research and service. Preferred qualifications include an earned B.S. degree in Construction Engineering/Civil Engineering/Architectural Engineering from an ABET accredited engineering program; teaching experience at the university level; demonstrated capability for securing research funding; and a Professional Engineer (P.E.) license or ability to obtain the P.E. license within 3 years of hiring. To apply for this position, please visit the website at https://employment.marquette.edu/postings/13698. Review of applicants will start on December 1, 2020 until the position is filled. For more information, please contact the search committee chair, Prof. Yong Bai, at yong.bai@marquette.edu.