



Civil and Environmental Engineering

Ph.D. Opportunities in Construction Engineering and Management Department of Civil and Environmental Engineering Wayne State University

Position Description

Ph.D. positions in Civil and Environmental Engineering focused on Construction Engineering Management at Wayne State University (WSU) is available starting Winter 2027 or Fall 2027. The ideal candidate should have a master's degree in civil engineering or related fields.

The selected candidate will work with Dr. Hyun Koo on interdisciplinary research in sustainable construction and emerging technologies, with research areas including construction and demolition waste management, adaptive reuse of buildings, material reuse and recovery, building information modeling (BIM), artificial intelligence (AI), and machine learning. Candidates with relevant research experience in these or related areas are preferred. Experience with BIM, AI and machine learning, qualitative and quantitative research methods, statistical analysis, and software such as Autodesk Revit and Autodesk Navisworks is desirable. Ideal candidates should be highly motivated, passionate about research, and capable of conducting interdisciplinary research. Strong oral and written communication skills in English are expected.

If you are interested in this position, please send your CV, transcript, English scores, writing samples, or publications (if you have any) to hjkoo@wayne.edu.

Also, you should submit official applications according to the university guidelines (<https://gradschool.wayne.edu/apply>).

About Wayne State University

Wayne State University is a public, urban research university located in Detroit, Michigan where students from all backgrounds are offered a rich, high-quality education. Founded in 1868, Wayne State consists of 13 schools and colleges offering approximately 350 programs to nearly 25,000 graduate and undergraduate students. Wayne State is classified among "R1 Doctoral universities -Very high research activity".

For inquiries, please email Dr. Hyun Koo (hjkoo@wayne.edu)