Cluster Hire at the Interface of Artificial Intelligence, Big Data, and Computation for Engineering

The College of Engineering at Michigan Technological University invites applications for multiple faculty positions in all fields of engineering or computing. The positions are expected to be filled at the Assistant Professor level, but senior level individuals with exceptional records will also be considered. We seek faculty who will redefine their discipline by creating and exploiting new digital tools and techniques, and who will transform the university to one where all of our graduates seamlessly apply these emerging technologies in their chosen fields.

A PhD in an engineering discipline or a closely related field is required. The College of Engineering encourages minority and female applicants and is committed to providing a safe and inclusive environment for all people. Applications are to be submitted online at http://www.jobs.mtu.edu/postings/7342. Candidates are asked to identify the department(s) most closely aligned with their background and research interests (see: www.mtu.edu/engineering/). Applicants should provide a statement describing their research experience and future plans and also provide a curriculum vitae, a statement on their teaching interests and philosophy, and the names of at least three professional references (to be contacted only by permission of the applicant). Salary will be commensurate with qualifications and experience. Please direct inquiries to the Search Committee Chair (sjkirkpa@mtu.edu). Review of applications will begin immediately.

Department of Mechanical Engineering-
Engineering Mechanics (ME-EM)

As part of the cluster hire at the Interface of Artificial Intelligence, Big Data, and Computation for Engineering, the ME-EM department invites applications in the areas of data science (DS), artificial intelligence (AI) and machine learning (ML) applied to mechanical engineering. Applicants for the position must have an earned PhD degree in mechanical engineering or a closely related discipline. The ME-EM department’s vision is: to educate students to inhabit an ecosystem in which AI/DS/ML are routinely applied to mechanical engineering problems; to develop engineering practices that include AI/ML as standard tools to solve complex problems in system design, dynamical controls, and testing; to conduct original research into new AI/ML algorithms and software tailored to application areas such as robotics, mobile systems and autonomous vehicles, industrial cyber security, energy conversion and storage, materials, and spacecraft design. We are particularly interested in applicants who have conducted research in the application of modern AI/DS/ML techniques to any of the above-mentioned areas, and who have an interest in developing curricula, research groups, and laboratory facilities that give Michigan Tech graduates a competitive employment edge in the emerging workplace defined by the 4th Industrial Revolution. The successful candidate will be expected to develop externally funded research projects in one of these areas while leading collaboration with other faculty, engage in both undergraduate and graduate teaching, and contribute to professional service.

For more information about the Department of Mechanical Engineering - Engineering Mechanics, please contact the ME-EM Department Chair, William W. Predebon, at wwpredeb@mtu.edu and visit our web site at http://www.mtu.edu/mechanical/.

About the University: Michigan Technological University, one of the four major research universities in the State of Michigan, is located in Michigan’s Upper Peninsula adjacent to Lake Superior. The community offers a small-town environment with outstanding four-season recreational opportunities. Michigan Tech is an ADVANCE institute, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM. Michigan Technological University is an Equal Opportunity Educational Institution / Equal Opportunity Employer, which includes providing equal opportunity for protected veterans and individuals with disabilities.

Michigan Tech acknowledges the importance of supporting dual-career partners in attracting and retaining a quality workforce. Candidates who are selected for on-campus interviews will be offered the opportunity to bring a guest with them for their visit. We are committed to offering career exploration advice and assistance whenever feasible and appropriate at the University and in the local community. See www.mtu.edu/provost/programs/partner-engagement/ for additional information.