Join Michigan State University’s Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. MSU offers an inclusive and collaborative work environment, and welcomes applicants from diverse backgrounds.

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Department of Computational Mathematics, Science & Engineering and Department of Computer Science & Engineering

Deep Learning

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The Department of Computational Mathematics, Science and Engineering (CMSE) and the Department of Computer Science and Engineering (CSE) at Michigan State University invite applications for a tenure-system faculty position in the broad area of deep learning with a joint appointment in the two departments. Candidates must have an earned PhD in Computer Science and Engineering, Applied and Computational Mathematics, Applied Statistics or related field, with expertise in Deep Learning. The position will be filled at Assistant, Associate or Full Professor level depending on the qualifications and record of the successful candidate. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, and engage in institutional and professional service.

While exceptional candidates from all areas of deep learning will be considered, particular interest lies in individuals who seek to extend the boundaries of deep learning methods from both an algorithmic and application perspective. Improved understanding of the theoretical foundations, interpretability of these methods, and their limitations are examples of the algorithm focus, while novel application of these techniques to autonomous vehicles, inverse problems, and biomedical imaging, are examples of some potential applications.

Michigan State University is making a bold new effort by launching the CMSE department, recognizing that computational and data science is a fundamental area of research in the 21st century. The department seeks to create an interdisciplinary environment that fosters a new breed of algorithmists who will address emergent problems in science and engineering, setting the stage for computation to be on the same footing as experiment and theory in its role in scientific discovery.
MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at http://miwin.msu.edu/. Information about WorkLife at MSU and the College of Engineering can be found at http://www.egr.msu.edu/WE.

Interested individuals should submit an application for this position through: http://careers.msu.edu and refer to position #469453. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and at least three letters of reference. We will begin reviewing the applications starting from November 15, 2017. For full consideration, applications must be received before December 15, 2017. Applications will be reviewed on a continuing basis thereafter until the position is filled. Nominations or questions are welcome by contacting the search committee chair through email at bshanker@egr.msu.edu. The position is available August, 2018.

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.