UNIVERSITY OF NOTRE DAME
DEPARTMENT OF AEROSPACE AND MECHANICAL ENGINEERING

The Aerospace and Mechanical Engineering Department at the University of Notre Dame in South Bend, Indiana invites applications for two tenure-track faculty positions in aerospace and mechanical engineering in the interface of uncertainty quantification, data science/machine learning and predictive multiscale-multiphysics modeling. Candidates should have a strong background in computational mathematics, computational statistics and scientific computing and propose a research program that emphasizes interdisciplinary cooperation within the colleges of Engineering and/or Science. Special attention will be paid to applicants who will contribute to one or more application domains such as predictive materials modeling, environmental, geological or climate modeling, design under uncertainty, virtual certification/validation of complex interconnected systems, and other. Concurrent appointments with other departments (e.g. Applied and Computational Mathematics and Statistics) can be facilitated.

The search is aimed at the assistant professor level, but exceptional candidates at all levels will be considered. Successful candidates will have demonstrated the potential to achieve an internationally distinguished record of scholarship, a commitment to undergraduate and graduate education, and a dedication to service within both her/his research community and the university. The candidates are expected to develop strong, externally funded research programs. All applicants must have an earned doctorate in an appropriate discipline in Engineering or Sciences including Computational Science and Engineering, Applied/Computational Mathematics or Statistics, or Computer Science.

Applicants must submit a CV, a teaching statement, a research statement, up to three indicative publications/preprints, and contact information for three professional references. The applicant should address her/his commitment to inclusive excellence, which we define as research and teaching excellence that strives to include all members of society. All materials can be provided at http://apply.interfolio.com/40191. Review of applications will start February 1st, 2017.

The University of Notre Dame is dedicated to educating the leaders of tomorrow and addressing problems of today through world-class research programs.   With research expenditures of nearly $134 Million, Notre Dame researchers are committed to advancing human understanding to improve the world we live in. The College of Engineering awards approximately 50 Ph.D. degrees each year and is home to approximately 130 tenured and tenure-track faculty members.

Notre Dame is situated in the vibrant town of South Bend, Indiana which is just minutes from the shores of Lake Michigan and a short drive to the city of Chicago. The city is actively engaged with the University and has collaboratively embarked upon several economic development activities such as the Smart Streets and the Regional Cities Initiatives and is engaging the public with efforts such as the Open Data Portal. More information about South Bend can be found at https://www.southbendin.gov/

The University of Notre Dame seeks to attract, develop, and retain the highest quality faculty, staff and administration. The University is an Equal Opportunity and affirmative action employer with a strong commitment to fostering a culturally diverse atmosphere for faculty, staff and students. Women, minorities, and those attracted to a university with a Catholic identity are encouraged to apply.