



Cornell University
College of Engineering

Sibley School of Mechanical
and Aerospace Engineering

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**Faculty Position in Computational Solid
Mechanics, Cornell University**

The Sibley School of Mechanical and Aerospace Engineering at Cornell University, Ithaca, New York invites applications for a tenure track faculty position in computational solid mechanics. Candidates must hold a doctorate in an appropriate field and are expected to establish an outstanding, funded research program as well as to contribute fully to both undergraduate and graduate instruction. Applicants at the level of Assistant Professor are preferred but appointments at other levels will also be considered. Salary and rank will be commensurate with qualifications and experience.

We seek an outstanding individual engaged in computational research in solid mechanics or mechanics of materials. The ideal candidate will be an innovator in the development and application of numerical methods for predicting the mechanical response of any class of solid materials or structures and in the use of high performance computing. These methods could include representations of materials or structures over a range of size scales and the use of continuum, atomistic, multi-scale and multi-physics approaches. Example areas of interest include modeling and design of structural and material systems, material processing, and modeling and representation of material evolution under large deformation. Specific opportunities exist for collaboration with theorists and experimentalists, including the incorporation of microstructural and micromechanical data into simulations. Qualified candidates in other related areas are encouraged to apply.

Cornell University fosters interdisciplinary research and an atmosphere of cooperation through its Centers and Field system. Both in research and teaching, faculty in solid mechanics have outstanding opportunities to interact with faculty in solid mechanics, structures, materials and computational science from other departments (e.g., Civil & Environmental Engineering, Materials Science and Engineering, Computer Science, Physics, Chemistry) and with a number of unique programs including the Cornell Center for Applied Mathematics, the Cornell Center for Materials Research, the Cornell Nanoscale Science & Technology Facility, the Cornell High Energy Synchrotron Source and the Cornell University Center for Advanced Computing.

The Sibley School and the College of Engineering at Cornell embrace diversity and seek candidates who can foster a welcoming climate for all students. Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Please submit an application on line at <https://academicjobsonline.org/ajo/jobs/7959>. Applications should include the cover sheet, a complete resume, statement of research and teaching and experiences interests (please limit this statement to 4 pages), the names of three references, and up to 3 publications. All applications received by December 31, 2016 will receive full consideration this academic year. Applications will be evaluated on an ongoing basis until the position is filled.

Diversity and Inclusion are a part of Cornell University's heritage.
We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and
Individuals with Disabilities.