



## RESEARCH FACULTY POSITION

Hopkins Extreme Materials Institute

Johns Hopkins University

### ***Emerging Areas of Mechanics, Materials, and Structures***

The Hopkins Extreme Materials Institute at Johns Hopkins University invites applications for a non-tenure track research professor (at any rank) in emerging areas of mechanics, materials, and structures. Areas of interest include (but are not limited to) uncertainty quantification, machine learning, data science, materials characterization and processing, and applied computational mechanics. It is expected that the successful candidate will build strong new partnerships with industry, government, and other sectors. Application areas of interest include defense, engineering industry (e.g. automotive, aerospace, etc.), biomechanics, materials processing, and materials data management. Experiments, theory and simulation are all of interest.

The successful candidate for this position will have a primary appointment in the Hopkins Extreme Materials Institute ([hemi.jhu.edu](http://hemi.jhu.edu)), a multidivisional institute at Johns Hopkins University that is devoted to advancing the fundamental science associated with materials and structures under extreme conditions and/or exhibiting extreme performance. The candidate will work in a diverse environment with collaborations across departments and schools at Johns Hopkins, potentially including the Whiting School of Engineering, Krieger School of Arts and Sciences, Applied Physics Laboratory, and the Johns Hopkins School of Medicine.

The successful candidate must have an earned doctorate in mechanical engineering, civil engineering, materials science, physics, applied mathematics, or related fields. She/he is expected to establish a strong, externally funded and self-sustaining research program, and may also engage in the academic program. Some potential funding sources may require US citizenship or permanent residency.

All applications should be submitted to: <https://apply.interfolio.com/50974>. The electronic application should include (i) a cover letter describing the principal expertise and accomplishments of the applicant, (ii) a curriculum vita, (iii) a 3 page research statement including research directions, future plans, and potential funding sources, and (iv) three representative journal publications. Candidates applying for the position should also enter the names and contact information of at least three (3) references in the online application system. Application packages will begin to be considered during the summer of 2018 and will be accepted until the position is filled. Johns Hopkins University is committed to building a diverse environment; women and minorities are strongly encouraged to apply. The Johns Hopkins University is an EEO/AA Employer.