



HEMI

HOPKINS EXTREME
MATERIALS INSTITUTE

Postdoctoral Fellows in AI applied to Mechanics & Materials

We are seeking highly motivated postdoctoral fellows with an interest in the applications of artificial intelligence to mechanics and materials science. Successful candidates will be appointed as Postdoctoral Fellows within the [Hopkins Extreme Materials Institute](#) (HEMI) at Johns Hopkins University. HEMI is an interdisciplinary institute which seeks to develop the science and technology to protect people, structures, and the planet.

The Institute has recently established the AI for Materials Design (AIMD) facility which integrates high-throughput testing under extreme conditions, high-throughput materials characterization, combinatorial synthesis and processing, and robotic automation with the development of AI/ML approaches for materials design. Our interest is in advancing materials design for applications in the extreme environments that are becoming ubiquitous, and through such advances, having a very positive impact on people and society.

The candidate should have a Ph.D. in mechanics, engineering, physics, materials science, or chemistry. A willingness to work closely with software engineers, data scientists, computer scientists, and AI experts is expected. Postdoctoral Fellows in HEMI are expected to help mentor graduate students and interact with a broad range of faculty members.

If you are interested, please send an email to Professor K.T. Ramesh at ramesh@jhu.edu with a single PDF file containing your curriculum vitae, the names of at least three references, and a brief (1 page) research statement. Please use the subject line “HEMI Postdoctoral Fellows in AI for Mechanics and Materials.” Review of applications will begin July 15, 2022, but we will continue to accept applications until the position is filled.

Johns Hopkins University is an Equal Employment Opportunity and Affirmative Action employer, and is committed to building a diverse environment. We are deeply committed to the dignity and equality of all persons—inclusive of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, and veteran status.

Johns Hopkins and HEMI provide a highly supportive environment for postdoctoral fellows, including carefully curated workforce development events, short courses, seminars, workshops, teaching and mentoring opportunities, and networking opportunities. Your success is our success, and we hope you will join us!