



HEMI

HOPKINS EXTREME
MATERIALS INSTITUTE

Postdoctoral Fellow, Johns Hopkins

High-Throughput Experiments for AI-Driven Design of Materials

A new postdoctoral fellow position is available within the Hopkins Extreme Materials Institute (hemi.jhu.edu) at Johns Hopkins University. The position is in the development of semi-automated high-throughput experiments for the AI-driven design of materials. Our interest is in developing state of the art semi-automated experiments for the characterization of the response of materials to extreme conditions, including shocks, high strain rates, and high temperatures using laser-based techniques.

The candidate should have strong experimental expertise together with a Ph.D. in mechanics, physics, materials science, or chemistry, and an interest in pushing the frontiers of materials science. A strong background in data science, machine learning, and experimental design would be very valuable. A willingness to work with software engineers, data scientists, materials synthesis and processing experts, and materials characterization experts is expected.

If you are interested, please send an email to dking65@jhu.edu with a single PDF file containing your curriculum vitae, the names of at least three references, and a brief (less than 1 page) research statement. Please use the subject line “HEMI Postdoctoral Fellow in High-Throughput Experiments.” Review of applications will begin March 31, but we will continue to accept applications until the position is filled.

The Johns Hopkins University is an Equal Employment Opportunity and Affirmative Action employer, and is committed to building a diverse environment; women and minorities are strongly encouraged to apply.