**Postdoctoral Fellow: Dynamic Behavior of Geomaterials**

A postdoctoral fellow position is available beginning August 1, 2023 in Professor Ryan Hurley’s laboratory (http://hurley.me.jhu.edu) in the Department of Mechanical Engineering and the Hopkins Extreme Materials Institute (HEMI) at the Johns Hopkins University (JHU). The postdoctoral fellow will work in the field of experimental mechanics of geomaterials and support the mission of the Materials Science in Extreme Environments (MSEE) University Research Alliance (URA), a multi-university research consortium run by Johns Hopkins University.

The postdoctoral fellow will focus on microstructure characterization, mechanical testing, and dynamic impact/penetration testing of geologic and heterogeneous materials with a particular focus on sand, sandstone, and concrete. The postdoc will be expected to aid in identifying open problems and new directions in this domain, while contributing to the ongoing work of the MSEE consortium through collaborations with constitutive modelers, experimentalists studying the mechanical behavior of other material systems, and other researchers performing uncertainty quantification. The postdoc will have access to state-of-the-art facilities, including JHU’s Hypervelocity Facility for Impact Research Experiments (HyFIRE) and the Materials Characterization and Processing facility (MCP) which houses electron microscopes, MicroCTs, and other characterization equipment. The postdoc will also have the potential to engage in experiments at synchrotron x-ray facilities and neutron imaging facilities.

Individuals who have the following credentials are strongly encouraged to apply:

1. A Ph.D. in Mechanical Engineering, Applied Physics, or a closely related field, with a strong publication record,
2. Significant research expertise in experimental mechanics and strong fundamentals in continuum mechanics.

Interested and qualified applicants should send a copy of their CV with a list of at least three references and a brief statement of interest (less than one page) to rhurley6@jhu.edu. Please use the subject line “Postdoc Fellow Dynamic Behavior of Geomaterials”. Review of applications will begin July 7, 2023 and continue until the position is filled.