

NOTICE OF VACANCY
Faculty Position (Tenure-Track/Tenured)
Experimental Physics



The Institute for Shock Physics (ISP) is a multidisciplinary research organization, within the College of Arts and Sciences (CAS) at Washington State University (WSU), with an emphasis on understanding condensed matter response at extreme conditions. **We are seeking to hire an outstanding individual in the area of Dynamic Compression Science for a Faculty position.** The Institute seeks an experimentalist with exceptional promise for, or proven record of, research achievements, and the ability to contribute to the ISP's role as the pre-eminent academic research organization in the field. The faculty rank (Assistant, Associate, or Full Professor) is open and will be determined based on the applicant's qualifications, record of achievements, and scientific stature.

The individual hired will be expected to develop a strong, externally-funded research program in dynamic compression science, teach undergraduate and graduate courses in Physics, and guide the research activities of graduate students and postdocs. This is a permanent, full-time, academic year (9 month), tenure-track or tenured position – located on the WSU Pullman campus – with the possibility of joint appointment in the Department of Physics & Astronomy. Additionally, there exist excellent opportunities for collaborations with faculty at partner universities (Princeton University, California Institute of Technology, and Stanford University), and scientists at the DOE/NNSA and DoD Laboratories.

Qualifications

Only applicants who are currently in the U.S. and meet the following required qualifications will be considered for the position.

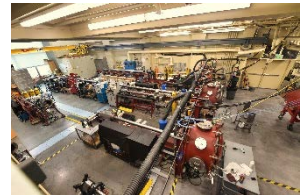
- Earned PhD in Physics, or a related field, and a strong experimental record in dynamic compression science.
- Outstanding research credentials as demonstrated by peer reviewed publications and scientific achievements/stature – commensurate with the faculty rank.
- Demonstrated leadership qualities, and the interest/ability to develop and manage an independent research program.
- Strong interest and ability to guide graduate students and postdocs.

Applications

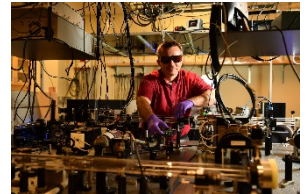
Please send application materials thru [WSU Jobs](https://jobs.wsu.edu). The following materials should be included in your application package:

- Cover letter summarizing your scientific accomplishments and vision for your research program at ISP
- Curriculum vitae
- Research Statement (limit 5 pages)
- Teaching philosophy statement (limit 2 pages)
- Contact information for 3 - 5 professional references

Applications will be considered until the position is filled. Please contact Ms. Sheila Heyns with inquiries regarding this position (ispjobs@wsu.edu, 509-335-1861).



Impact Facilities



Laser-Shock Laboratory



Instrumentation



Sample Preparation



Materials Characterization

Additional information about the Institute for Shock Physics and Washington State University follows:

The Institute for Shock Physics Overview

The WSU shock physics effort, widely recognized as the academic leader in the field, has a long and distinguished history of research innovations and excellence, and rigorous education/training in studying the dynamic compression response of materials. Spanning more than 60 years, many pioneering developments in shock wave experiments and theory have been carried out at WSU. One of WSU's most notable achievements in this field has been the outstanding group of scientists who have been educated and trained as graduate students and postdoctoral research associates. These individuals have gone on to become leaders in this field.¹



Dedicated Shock Physics Building

The Institute has ongoing research activities at the following three locations:

- *Institute for Shock Physics - Pullman, WA:* Combining research innovations and rigorous education (shock.wsu.edu)
- *Dynamic Compression Sector - Argonne, IL:* Frontier of dynamic compression science (first-of-a-kind worldwide user facility) located at the Advanced Photon Source, Argonne National Laboratory (dcs-aps.wsu.edu)
- *Applied Sciences Laboratory - Spokane, WA:* Transforming science into practical solutions (asl.wsu.edu)

Washington State University

Washington State University, one of the two research universities in the state, was founded in 1890 as the state's land-grant institution and is located in Pullman with regional campuses in Spokane, Vancouver, the Tri-Cities, and Everett. Due to its strong emphasis on excellence in research and education, the Carnegie Classification™ has designated WSU as R1/Tier 1: Doctoral University – Highest Research Activity. Current enrollment is approximately 31,600 undergraduate, graduate, and professional students. The University offers 98 majors, 86 minors, and 100+ in-major specializations for undergraduates, 78 master's degree programs, 65 doctoral degree programs, and 3 professional degree programs. Academically, the University is organized into 11 colleges (Agriculture, Human, and Natural Resource Sciences; Arts and Sciences; Business; Communication; Education; Engineering and Architecture; Honors; Medicine; Nursing; Pharmacy and Pharmaceutical Sciences; and Veterinary Medicine) and a Graduate School. For more information, please visit wsu.edu.



Washington State University Campus

WSU is an EO/AA Educator and Employer.

¹ Seven out of seventeen awards of the American Physical Society's George E. Duvall Shock Compression Science Award have gone to WSU graduates and/or faculty members to date. (aps.org/programs/honors/awards/shock.cfm)