

## Postdoctoral Opportunity in Structural Material

October 2020

*Cornell University embraces diversity and seeks candidates who will contribute to a climate that supports students, faculty and staff of all identities and backgrounds. If you don't meet 100% of job qualifications, but see yourself contributing, please submit an application. We strongly encourage individuals from underrepresented and/or marginalized identities to apply. We're a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.*

The Center for High Energy X-ray Science (CHEXS) at the Cornell High-Energy Synchrotron source (CHESS) seeks a postdoctoral researcher in the field of structural materials to join our scientific team. The position is affiliated with the Forming and Shaping Technology (FAST) beamline at CHESS. The successful candidate will leverage x-ray data to advance time-resolved studies of manufacturing processes and the performance of structural materials, and/or will creatively contribute to the development of synchrotron instrumentation, methods, and techniques. Additionally, you will:

- Communicate results through publications in peer reviewed journals and presentations at national and international conferences
- Work with diverse and interdisciplinary teams to achieve scientific and technical objectives
- Help support the overall FAST user program

This is a yearly appointment, which can be renewed annually based on satisfactory performance and availability of funds.

### Requirements:

- Ph.D. or equivalent in the physical sciences or engineering
- Record of impactful scientific publications
- Desire to work in a multidisciplinary research environment, interacting with researchers at all levels, including students and facility users
- Proficiency in science communication, written and oral, formal and informal

### Assets:

- Prior experience in x-ray and/or neutron scattering at large user facilities
- Prior experience with high performance computing and/or data-intensive research
- Proficiency with scientific software (e.g., Python, C, SPEC, MATLAB, etc.)

For further information about the position, please contact Dr. Kate Shanks ([ksg52@cornell.edu](mailto:ksg52@cornell.edu)). The posting will remain open until the position is filled. Applications received before February 1, 2021 are guaranteed full consideration. A complete application package will include a Cover Letter, CV, List of Publications, Statement of Research Interests, and (3) letters of recommendation.

Please submit application materials here: <https://academicjobsonline.org/ajo/jobs/17851>

Cornell provides great benefits that include comprehensive health care options, generous retirement contributions, educational benefits (Employee Degree, Tuition Aid, Cornell Children's Tuition Assistance Programs), access to wellness programs, and employee discounts with local and national retail brands. Our leave provisions include three weeks of vacation and 13 holidays, including winter break from December 25th through January 1st.

Cornell has been nationally recognized as an award-winning workplace for our health, wellbeing, sustainability, and diversity initiatives. For more information, follow the link: [Benefits at Cornell](#).