

Energy at Hopkins

FOR POSTDOCTORAL FELLOWS

COMMUNITY

“The postdoctoral fellow community at Johns Hopkins University is strong, with roughly 1600 fellows spanning eight schools and two academic centers. Our postdoctoral fellow community is rich in diversity and our programs are growing.”

— Valeria Culotta, *Professor and Associate Vice Provost for Postdoctoral Affairs*

GROWTH

The Ralph O’Connor Sustainable Energy Institute (ROSEI) is excited to announce a new postdoctoral program that will have two fellows on one-year appointments. The fellows will play a key role in helping ROSEI achieve its objectives, increasing connectivity between the institute and faculty, providing a touchpoint with scholars who will be impactful academics, and broadening ROSEI’s impact in energy research.

At least 50% of the ROSEI postdoctoral scholar’s time will be directly related to work with a ROSEI faculty member as advisor. The remaining 50% of time is to be spent on energy-relevant work and activities and may or may not be connected to a specific advisor.

INNOVATION

Johns Hopkins Engineering includes more than 25 established research centers and institutes, several of which span across university divisions, as well as partnerships with industry, government, and universities and laboratories around the globe. Only at Johns Hopkins University are we able to collaborate with researchers and clinicians at the renowned schools of Medicine, Public Health, and Arts and Sciences.

Research in ROSEI is focused on enabling innovations that address our vast energy needs and their consequences. ROSEI researchers cover a broad array of sustainable energy topics but has made the most significant strides in its four research pillars—carbon, grid, storage, and wind—and we encourage collaborations between individuals with a variety of research backgrounds.

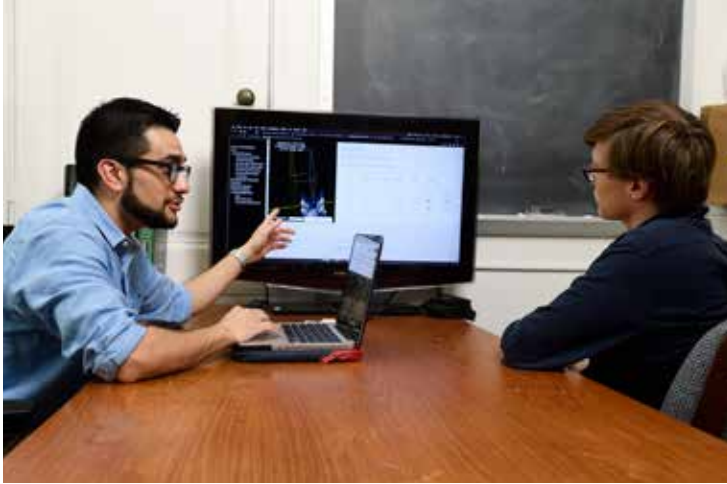


Carbon: Our work in carbon management, particularly in partnership with the Department of Energy’s ARPA-E program, has already resulted in the creation of two companies—one working on cleanly converting natural gas to hydrogen at point of use, and one working on direct air capture of carbon.

Storage: Our work in energy storage spans a remarkable partnership with the Johns Hopkins Applied Physics Lab (APL)—the largest university-affiliated research center in the country. The ROSEI-APL partnership is investigating more sustainable storage solutions and looking at integrated solar-storage solutions.

Wind: ROSEI is leading Maryland’s presence in a new national center—Academic Center for Reliability and Resilience of Offshore Wind (ARROW)—that aims to expand the local offshore wind industry and provide greater opportunities for Maryland residents and businesses to participate in the growing clean energy economy.

Grid: ROSEI is leading a new global center—Electric Power Innovation for a Carbon-free Society (EPICS)—with a total budget of \$15 million that is focused on helping society transition towards 100% renewable energy for power grids.



ROSEI postdoctoral scholars will have an energy-relevant peer network to collaborate with. Scholars will be an integral part of the ROSEI community and have access to all ROSEI events. ROSEI will assist in providing access to its dynamic networks in industry, government, the DOE labs, and academia.

JOIN US!

Many available postdoc positions at JHU are not advertised. If you identify a JHU faculty member(s) whose research area interests you, please contact them directly and inquire about available positions. In your inquiry, provide a CV and description of your research training interests.

Eligible candidates for the ROSEI postdoctoral fellowship program are individuals with PhD degrees in energy-relevant fields. Applicants will be asked to identify at least one potential project area and at least one potential post doctoral advisor from from ROSEI's core of associated faculty.

RESOURCES

As a postdoctoral fellow at JHU, you will receive the research training, skills, and credentials needed to prepare you for the next steps in your career. Your career preparedness can be achieved through effective faculty mentoring and by numerous opportunities provided by our outstanding offices for career and professional development.

JHU offers a private networking group for current JHU postdocs and postdoc alums. On the postdoc networking group, you can find postdocs with diverse interests and backgrounds, communicate, and collaborate.

Student Affairs serves Whiting School of Engineering graduate students, learners, and postdoctoral fellows. The group focuses heavily on student satisfaction, offering resources for academic engagement, career planning, community life, and more.



Scan to learn more about
WSE Student Affairs.



JHU and ROSEI contingent meeting Maryland Governor Wes Moore at the 2023 ARPA-E Innovation Summit

