



UNIVERSITY of WASHINGTON



CLEAN ENERGY
INSTITUTE

FALL 2023

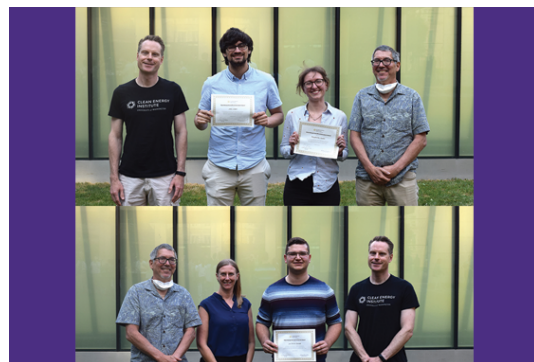


CEI announces new Graduate Fellows

CEI has selected 31 clean energy PhD students for its 2023-24 Graduate Fellowship. Fellows conduct cutting-edge, original research that advances the adoption of scalable and equitable clean energy solutions, while also engaging in professional development events and outreach activities.



E8 & Washington State Academy of Sciences help CEI kick off 2023-24



CEI names Clean Energy Student Achievement Awardees

[Advanced Experience Program](#)

The Advanced Experience Program (AXP) enables UW doctoral students in science, technology, engineering, and mathematics (STEM) to apply their knowledge to support decision makers in climate tech investing and clean energy policy.

John Cenker and Margherita Taddei received the Scientific Achievement Award. Cenker for his work in 2D magnetic semiconductors, and Taddei for her work on developing perovskites for thin-film solar photovoltaic (PV) cells. Leo Zasada received the Outreach & Service Award for creating the Science Outreach and Policy for Adults (SOPA) program.



[Four Distinguished Postdoctoral Fellows join CEI](#)

In order to support innovation to accelerate a carbon-neutral economy and to promote the equitable deployment of clean energy solutions, CEI established the Distinguished Postdoctoral Fellowship.



[Washington Clean Energy Testbeds integral to state's clean energy future](#)

UW News highlights the Testbeds' impact.

RESEARCH HIGHLIGHTS

[Are Three-Dimensional Batteries Beneficial? Analyzing Historical Data to Elucidate Performance Advantages](#)

ACS Energy Letters

[HF-Free synthesis of colloidal \$\text{Cs}_2\text{ZrF}_6\$ and \$\(\text{NH}_4\)_2\text{ZrF}_6\$ nanocrystals](#)

Chemical Communications

[Geometry-dependent valence tautomerism, magnetism, and electrical conductivity in 1D iron-tetraoxolene chains](#)

Chemical Science

[Clean energy justice: Different adoption characteristics of underserved communities in rooftop solar and electric vehicle chargers in Seattle](#)

Energy Research and Social Science

[Rural opposition to landscape change from solar energy: Explaining the diffusion of setback restrictions on solar farms across South Korean counties](#)

Energy Research and Social Science

[Scalable Coherent Optical Crossbar Architecture using PCM for AI Acceleration](#)

IEEE

[Characterization of vulnerable communities in terms of the benefits and burdens of the energy transition in Pacific Northwest cities](#)

Journal of Cleaner Production

APPLY!

[Graduate Certificate in Clean Energy Science, Engineering, and Society](#)

This new 15-credit graduate certificate incorporates both existing UW courses from multiple departments as well as new courses designed to allow students to practice engaging with the broader impacts of clean energy.

[Washington Clean Energy Testbeds Undergraduate Research Award](#)

This new program supports undergraduate students pursuing research in clean energy, advanced manufacturing, and related fields. UW undergraduate students in their third academic year or higher are eligible to apply for a \$3,000 award to fund research activities at the Testbeds.

EVENTS

November 9, 4 - 5 pm

[CEI Seminar: June Lukuyu](#) - University of Washington

November 16, 3 - 5 pm

[Virtual Power Plants in Washington](#) - Washington Clean Energy Testbeds (Registration required)



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