



**SPRING 2022**



## **UW Regents approve milestone development and future home of the Testbeds**

Site W27 will house the Washington Clean Energy Testbeds and mission-aligned partners from the public and private sectors.



### **Microgrids for education and energy sovereignty**

After founding Northwest Indian College's first engineering program, Stephanie Bostwick participated in CEI's Research Experience for Teachers program. Today, she is leading feasibility studies for microgrids on her campus and for the Lummi Nation.



### **Professor Corie Cobb awarded DARPA Director's Fellowship**

Cobb received the highly selective fellowship as a top performer among recipients of the DARPA Young Faculty Award. This second round of DARPA funding will support Cobb's research on advanced battery manufacturing techniques.



### **Supporting STEM Community College Students**

As part of the Washington State STEM Transfer Partnership, CEI will work alongside UW ChemE, UW MSE, and Green River College to support STEM students who transfer between 2- and 4-year institutions.

### **Washington leaders visit CEI**

This February, CEI welcomed Governor Jay Inslee as well as Representative Kim Schrier (WA-08) to the Washington Clean Energy Testbeds to discuss emerging climate technologies and how state support helps accelerate innovation in clean energy.

## **RESEARCH HIGHLIGHTS**

### **Ferromagnetism and Spin-Polarized Luminescence in Lead-Free CsEuCl<sub>3</sub> Perovskite Nanocrystals and Thin Films**

*ACS Nano*

### **Redox-Switchable Allosteric Effects in Molecular Clusters**

*JACS Au*

### **Conjugated Metal-Organic Macrocycles: Synthesis, Characterization, and Electrical Conductivity**

*Journal of the American Chemical Society*

**Low Error Estimation of Half-Cell Thermodynamic Parameters from Whole-Cell Li-Ion Battery Experiments**

*Journal of The Electrochemical Society*

**Defect formation in Yb-doped CsPbCl<sub>3</sub> from first principles with implications for quantum cutting**

*Physical Review Materials*

**Direct visualization of magnetic domains and moiré magnetism in twisted 2D magnets**

*Science*

## CEI SEMINARS

**April 7, 4 pm**

[Andy Sun](#) - Massachusetts Institute of Technology

**May 5, 4 pm**

[Juan-Pablo Correa-Baena](#) - Georgia Institute of Technology

**May 19, 4 pm**

[Sam Stranks](#) - Cambridge University

[View the seminar calendar on CEI's website](#)

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