



UNIVERSITY of WASHINGTON



CLEAN ENERGY
INSTITUTE

February 2020

INSTITUTE NEWS



Nobel laureates & CEI researchers are building a better battery for electric vehicles

CEI researchers are working with Nobel laureates John B. Goodenough and M. Stanley Whittingham to build a better battery for electrified transportation. *Read more about battery innovation in the Pacific NW, featuring Testbeds users and CEI partners, in [GeekWire](#).



[Forecasting the technology of tomorrow](#)

Science Friday interviewed CEI Director Dan Schwartz about emerging energy technologies.



[UW researchers win combined \\$5.9M from Department of Energy to advance solar technologies](#)

Electrical & computer engineering professor Brian B. Johnson will develop power electronics to integrate solar with grid; BlueDot Photonics will develop new solar manufacturing technology at the Washington Clean Energy Testbeds.



[Energy software entrepreneur joins Washington Clean Energy Testbeds to coach cleantech startups](#)

Scott Case, former chief operating officer of EnergySavvy, an energy efficiency software company that was acquired in 2019, is the new Entrepreneur in Residence at the Washington Clean Energy Testbeds.



[CEI Graduate Fellows](#)

Two CEI Graduate Fellows share their passion for clean energy in these profile pieces: [Emily Rabe \(Chemistry\)](#) and [Ted Cohen \(Molecular Engineering\)](#).



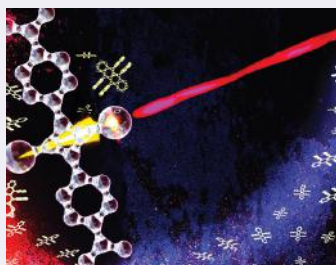
5 CEI faculty among world's most influential researchers

The annual Highly Cited Researchers list published by the Web of Science Group identifies researchers that produced multiple publications in the top 1% of citations for their field and year of publication over the past decade.

Sharing clean energy science and engineering with Washington community colleges

CEI's [Research Experience for Teachers](#) places community college instructors in UW research groups. Instructors work with UW faculty and graduate students for six weeks to develop a clean energy curriculum and experiments to bring back to their undergraduate students.

RESEARCH HIGHLIGHTS



Photon upconversion through triplet-triplet annihilation for solar cells

ACS Applied Energy Materials



Cacao beans & green chemistry for QLEDs

Green Chemistry



New technique lets researchers map strain in next-gen solar cells

Joule



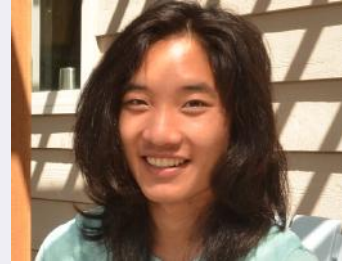
**Inorganic
nanopropeller
puts a spin on
catalysis**

*Journal of the
American Chemical
Society*



**Switching 2D
magnetic states
via pressure
tuning of layer
stacking**

Nature Materials



**Controlling
three-
dimensional
optical fields via
inverse Mie
scattering**

Science Advances

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