PRINCETON UNIVERSITY

energy

Princeton E-ffiliates Partnership

eFFILIATES

energy ▪ environment ▪ engagement

engagement

environment

andlinger center
for energy+the environment

+ Princeton E-ffiliates Partnership

Princeton E-ffiliates Partnership (E-ffiliates) offers corporate members a unique opportunity to engage in big-picture thinking and to find innovative solutions. Companies that join the partnership engage in close collaborations with academic experts to pursue transformative innovations in the fields of energy and the environment. Princeton University students engaged in the partnership are positioned to become the next generation of leaders and innovators.

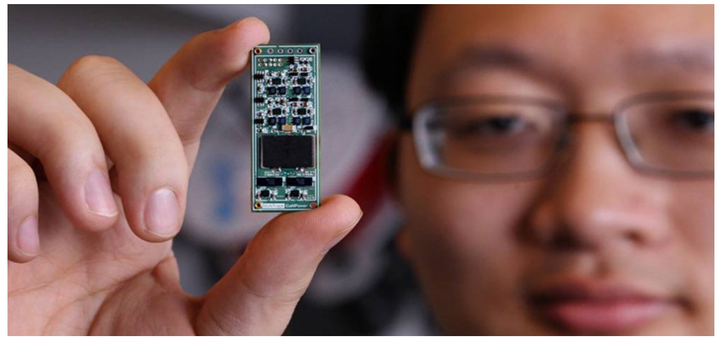
"With an aim to identify problems and implement new technologies to meet this century's energy and environmental challenges, partnerships with experts outside academia are critical. E-ffiliates is the perfect vehicle to foster innovation, facilitate dialogue and collaboratively develop real-world solutions to key issues."

– Barry Rand
Associate Director for External Partnerships, Andlinger Center for Energy and the Environment
Associate Professor of Electrical Engineering and the Andlinger Center for Energy and the Environment

+ Reasons to Join

Access. Princeton E-ffiliates Partnership member organizations have the opportunity to personally engage with cutting-edge energy and environment innovation.

Excellence. Princeton scientists and engineers are world-class leaders in critical areas across the energy, environmental, and public policy sectors.



Interdisciplinarity. Princeton University fosters faculty and student collaborations across departmental boundaries through its culture and intimate scale.

Talent. Princeton students are the next generation of leaders. E-ffiliates members build lasting relationships with these talented undergraduate and graduate students.

Vision. Princeton E-ffiliates Partnership brings together the academic, corporate, and policy sectors to promote breakthroughs in the lab and foster advancement to the marketplace.

Voice. Member organizations participate on the E-ffiliates Advisory Committee and consequently influence the strategic direction of the program.

+ Research Areas

Built Environment, Transportation, and Infrastructure

Smart infrastructure, resilient cities, building efficiency systems and retrofits involving faculty from the School of Architecture; microgrids and networks, green cements, cleaner burning combustion engines, electric vehicles, and water desalination technologies

Electricity Production, Transmission, and Storage

Emerging technologies to harvest wind and solar power, nuclear fusion, power electronics and superconducting materials that enable more power transmission, grid-scale electricity storage, and modeling of grids with high renewables penetration

Fuels and Chemicals

Advanced fuels and chemicals from engineered microorganisms and artificial photosynthesis, development of catalysts with abundant elements, and techno-economic and lifecycle assessments of advanced biofuel production systems

Environmental Sensing and Remediation

Sensors to detect emissions of carbon and nitrogen cycle gases to the atmosphere from the energy, water and food sectors, carbon capture and storage, and wastewater treatment and soil remediation technologies using nanoparticles and microorganisms

Decision and Behavioral Science, Policy, and Economics

In partnership with faculty and researchers at the Princeton School of Public and International Affairs, individual and collective decision-making and economic analysis related to energy and environmental policy

Princeton School of Public and International Affairs

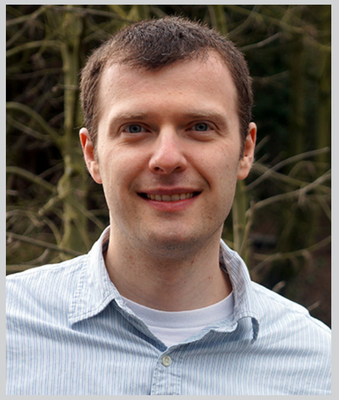
Princeton School of Public and International Affairs
https://spia.princeton.edu

Environmental and Climate Science

In partnership with faculty and researchers at the Princeton Environmental Institute, environmental monitoring and modeling of Arctic sea ice, carbon dioxide absorption by oceans, extreme weather, and coastal impacts

High Meadows Environmental Institute

High Meadows Environmental Institute
https://environment.princeton.edu



Join Princeton E-ffiliates Partnership

For membership details, contact:

BARRY RAND
Associate Director for External Partnerships,
Andlinger Center for Energy and the Environment
Associate Professor of Electrical Engineering and
the Andlinger Center for Energy and the Environment

EMAIL and PHONE
Email: brand@princeton.edu
Phone: 609-258-7692

ADDRESS
Andlinger Center for Energy and the Environment
86 Olden Street
Princeton University
Princeton, NJ 08544

WEB
https://acee.princeton.edu/e-ffiliates

@AndlingerCenter

www.facebook.com/andlingercenter

www.youtube.com/AndlingerCenter

Copyright © 2021 by The Trustees of Princeton University

Photos by Jana Ašenbrennerová, Bumper DeJesus, Tori Repp, and Frank Wojciechowski