



## What is E-ffiliates

Princeton E-ffiliates Partnership (E-ffiliates) is a Princeton University membership program that positions organizations to engage in close collaborations with academic experts, Princeton students, and other partners from diverse sectors. E-ffiliates delivers unique value through tailored research projects, exclusive meetings, and high-impact conferences. The program is administered by the Andlinger Center for Energy and the Environment. Organizations can join at one of **three levels**:

- **Affiliate membership** plugs you into our events and information
- **General membership** includes sponsored research and a voice in program priorities
- **Charter membership** allows for closer and deeper collaboration with Princeton and a menu of special benefits

## Why E-ffiliates

Participation in E-ffiliates lowers the barriers for collaboration between corporate and non-profit members and the Princeton research community, helping identify the most pressing energy and environment problems in order to develop and scale solutions. A successful energy systems transition in the face of climate change calls for a response of unprecedented speed and scope and a dismantling of historic silos. Truly multidisciplinary research can guide technology, policy, business, and beyond, but it must be informed by realities on the ground. E-ffiliates responds to this need by facilitating collaborative research, information exchange, and partnerships between stakeholders across the energy value chain, matching members with strategic opportunities.

visit: [acee.princeton.edu/e-ffiliates](http://acee.princeton.edu/e-ffiliates)



### contact us

**Barry P. Rand**

Associate Director for External Partnerships,  
Professor of Electrical and Computer  
Engineering and the Andlinger Center  
for Energy and the Environment  
609-258-7692 | [brand@princeton.edu](mailto:brand@princeton.edu)

**Vivian F. Fuhrman**

Assistant Director for External Partnerships  
609-258-2305 | [vfuhrman@princeton.edu](mailto:vfuhrman@princeton.edu)

## Value

- Navigation across university-wide opportunities and connections to faculty across campus
- Close interaction with other decision-makers across value chain
- Sharing pre-competitive challenges between companies and input into focus areas of center
- Early awareness of center opportunities, including project partnerships and cost sharing
- Priority status at center events
- Leveraging joint industry/university/government research funds to reduce risk in strategic areas
- Facilitated student recruiting
- Practical, fundamental approach to solutions for complex global issues
- Market insight, risk reduction, and new business opportunities

## Reach

### MEMBERS:

- Connect with E-affiliates from diverse industrial sectors.

### EVENTS:

- Engage at the Annual Meeting, E-affiliates Retreat, and quarterly Tech Talks.

### RESEARCH:

- Collaborate between members and Princeton's world class labs/research groups.

### IMPACT:

- Access the Net-Zero America project and Andlinger Center Annual Reports.

### EXCELLENCE:

- Energy systems analysis at regional and national scales for investment and policy decisions
- Energy storage technologies for transportation and grid-scale applications
- Climate science and risk analysis to inform engineering and investment choices
- Biological routes to fuels and chemicals emphasizing carbon utilization and renewable feedstocks
- Techno-economic analysis of externalities of energy infrastructure conversion including employment, health, and pollution
- Urban environmental sensing for air quality monitoring, pollutant source tracking, and urban planning
- Cement materials science for next-generation cement materials, processing, and carbon capture
- Soft matter physics for new materials to manage energy flows in devices and manufacturing
- Water/energy nexus with a focus on energy-efficient treatment and resource recovery
- Subsurface biogeochemistry for applications in environmental remediation and engineering
- Power electronics to enable high-efficiency power conversions and complex grid-edge applications
- Building science and architectural approaches to advanced building materials and energy systems
- Low-temperature plasma science for electrified manufacturing and recycling

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