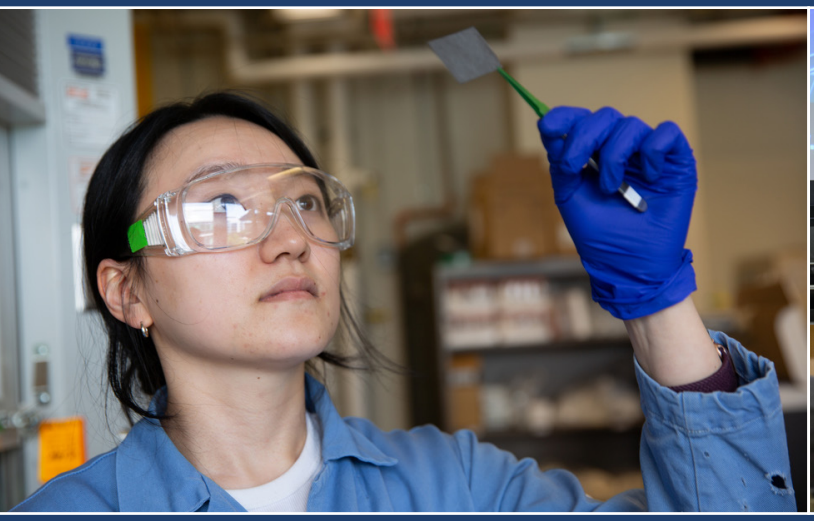
MIT ENERGY INITIATIVE

External Advisory Board Briefing Book

October 2026





MIT Energy Initiative

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To access the digital version of this External Advisory Board Briefing Book, visit: **energy.mit.edu/eab2026**.

Letter from the director

Dear External Advisory Board Members,

As we mark our 20th year as MIT's hub for energy, the MIT Energy Initiative (MITEI) has reached a successful end to Fiscal Year 2026. This briefing book highlights our many accomplishments, which include welcoming new member companies, providing more programming to members, and increasing support for MIT researchers and graduate students.



In conjunction with our 20th anniversary, MITEI has been updating its mission statement (see page 8). MITEI will continue to prioritize finding solutions to accelerate the low-carbon energy transition, but will also emphasize our work to enhance energy security and universal access to sustainable and affordable energy. As we roll out our new website this autumn, the revised MITEI mission statement will figure prominently in our communications and outreach.

A year-long analysis has allowed MITEI to measure its two decades of impact on the energy technology landscape. We have now documented MITEI's connections to 64 of the approximately 100 energy startups that have emerged from MIT since 2006. Twelve of those 64 companies have raised a combined total of more than $8.5 billion in capital.

In FY26, MITEI welcomed Google as a member and launched the Data Center Power Forum in collaboration with MIT's Center for Energy and Environmental Policy Research. Nine companies are participating in the Forum, which sponsors webinars, discussions, and projects highlighting MIT's most innovative research related to data center energy supply and infrastructure, electricity demand and management, and regulation. With the support of five companies, MITEI also kicked off a two-year study on the Future of Fuels: Pathways to Sustainable Transportation. When this latest "Future of..." report is released in 2028, the study will deliver comprehensive technical, economic, lifecycle emissions, and policy analyses of sustainable drop-in fuels, with particular attention to regional perspectives. Throughout FY26, MITEI has also continued its leadership of the engineering community's Consistent Lifecycle and Economic Assessment Recommendations (CLEAR) initiative to identify best practices for evaluating energy technologies.

MITEI's industry consortium, the Future Energy Systems Center, has been giving special attention to long-duration energy storage this year and will launch focus areas on carbon management and grid planning this autumn. The Center has also been providing member companies with access to online dashboards that compile key findings on topics such as hydrogen, steel, fission/fusion, and geothermal. MITEI's Seed Innovation Fund sponsored six new projects this year focused on topics such as digital twins for enhanced geothermal systems, biomining for critical mineral recovery, and reducing energy use for data center cooling.

MITEI also convened important conversations about energy policy and technology this year, hosting Fatih Birol of the International Energy Agency, Georgina Campbell Flatter of Greentown Labs, and Kurt Kelty of General Motors among its seminar speakers. MITEI's well-received "The Energy of the Future" campaign featured interviews and profiles of MIT undergraduate researchers and Energy Studies Minor students. On the education front, MITEI sponsored the development of experiential learning courses, funded teaching assistantships, revised the Energy Studies Minor for greater accessibility, and supported MIT graduate students who had lost energy research funding.

As MITEI embarks on its next 20 years, we are grateful for the continuing support from MIT and our member companies. All of us at MITEI are committed to deepening our collaborations with industry to support MIT's contributions to advancing the energy transition, enhancing energy security, and increasing energy access for all.

Sincerely,

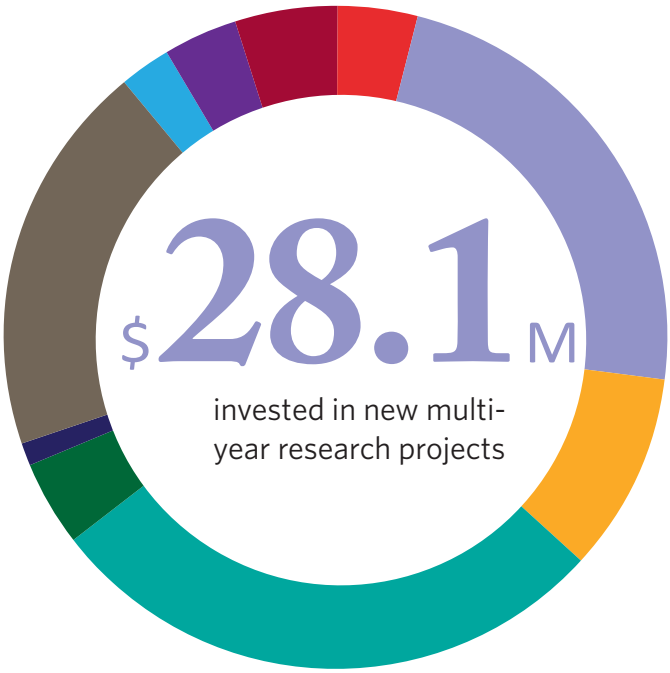


William H. Green
Director, MIT Energy Initiative
Hoyt C. Hottel Professor of Chemical Engineering

MITEI by the numbers, FY26

Research

How MITEI invested in energy-transition research across MIT in FY26



40
MITEI members

54
New research projects

Sustainable fuels $7.84M

MITEI funds research on the scalability, costs, and lifecycle emissions of sustainable fuels to identify viable pathways for decarbonizing hard-to-electrify long-distance transportation sectors and industries.

Transportation $1.15M

MITEI enables research spanning electrification, sustainable fuels, infrastructure, and policy related to the full range of mobility, from urban passenger travel to long-distance transportation, complementing work by other MIT centers.

Policy & economics $300K

MITEI enables the modeling and evaluation of the impacts of energy-related policies to determine the most effective strategies to reduce emissions, accelerate innovation, and bolster energy security and access.

Other energy topics $5.36M

In FY26, this category primarily includes projects related to advanced materials and AI and energy.

Buildings & infrastructure $725K

MITEI supports the development of technologies and strategies for increasing the energy efficiency and reducing the carbon emissions of the built environment.

Carbon management $1.06M

MITEI-supported research examines the technical and economic feasibility of carbon capture, utilization, and storage technologies, and CO_2 valorization, monitoring, and accounting systems, including carbon border adjustment mechanisms.

Energy storage $1.36M

MITEI enables research spanning electrification, sustainable fuels, infrastructure, and policy related to the full range of mobility, from urban passenger travel to long-distance transportation, complementing work by other MIT centers.

Grid management $1.10M

MITEI funds research focused on decarbonizing the electric power grid, including meeting demand, integrating new load and generation, optimizing grid expansion and resilience, managing electrification, coordinating flexible assets, enhancing cybersecurity and weather resilience, and designing electricity markets and rate structures.

Industry $6.47M

MITEI supports research on key decarbonization pathways for hard-to-abate industries, including electrification, use of sustainable fuels, substitution of sustainable raw materials for those derived from fossil fuels, design of more efficient and lower carbon processes, and CO_2 capture.

Power generation $2.72M

MITEI sponsors research to improve the performance and economics of zero- and low-carbon technologies, including integration with the power grid to enable reliable, clean, sustainable electricity at scale.

Education

How MITEI educated future energy leaders in FY26

189 graduate students supported

96 projects supported through MITEI's Energy Undergraduate Research Opportunities Program

20 Energy Scholars supported

16 courses supported (including IAP courses and activities as well as providing course development support and teaching assistant support)

19 students enrolled in the Energy Studies Minor

Outreach

How MITEI convened leaders in energy in FY26

73 speakers MITEI brought to campus

242 attendees at Energizing@MIT: MITEI's Annual Research Conference

158 attendees at MITEI's Spring Symposium

6 seminars hosted

30 webinars presented

1,009 unique attendees of MITEI Presents: Advancing the Energy Transition seminars

40 news articles and videos MITEI published about energy-related research, education, and outreach



Postdoctoral associate Jimin Kim, an Energy Scholar in the 2025-2026 cohort, researched the development of a chemical process in which a catalyst and an enzyme work together to convert methane into a less harmful susbstance. *Photo: Kelley Travers*



MITEI Research Scientist Pablo Duenas-Martinez (right) moderates a panel at MITEI's Spring Symposium on innovations and approaches to efficient, economic production of geothermal firm power at scale. *Photo: Gretchen Ertl*

Overview and mission

The MIT Energy Initiative is MIT's hub for energy research, education, and outreach. In collaboration with industry, we advance the innovations and analyses that accelerate the low-carbon energy transition, strengthen energy security, and deliver reliable, affordable, sustainable, and clean energy for all.

FY26 MITEI priority updates

Encourage and help MITEI's members to fund more energy research with MIT faculty

In FY26, MITEI emphasized increasing the research engagement of existing MITEI member companies and recruiting new members, particularly those interested in building a research relationship. Google signed as a new Future Energy Systems Center member in FY26, and MITEI is discussing research-level memberships with both existing member companies and key prospects. Taken together, these memberships could support a significant number of new sponsored projects.

MITEI's regular process of engagement with its corporate members includes facilitated meetings with faculty, scheduled events covering many technologies, and customized workshops involving teams of principal investigators. In FY26, MITEI also identified new opportunities for working with members. In September 2025, MITEI launched the Data Center Power Forum to address issues related to data center energy supply, grid and demand management, infrastructure, and policy/economics. In early 2026, MITEI also started the Future of Fuels study focused on sustainable biofuels and e-fuels for long-haul transportation. MITEI Director William H. Green is leading the Consistent Lifecycle and Economic Assessment Recommendations (CLEAR) initiative, an engineering community effort organized with Elsa Olivetti (Materials Science and Engineering) to standardize approaches to techno-economic analyses and lifecycle assessments for energy technologies.

As part of the Future Energy Systems Center, MITEI has also defined a focus area on long-duration energy storage, a topic of wide interest to MITEI members and well-aligned with already-funded Center projects and MIT's research expertise. The Center has also deepened member engagement through the release of technology dashboards on the MITEI member site. For key energy technologies, these dashboards synthesize data from reliable sources and results from Center projects to examine the advantages and trade-offs of key energy technologies. (Read more under **Research & analysis**.)

Address the data center problem

In 2023, data centers consumed about 4.4% of the total electricity supply in the United States. With the rapid expansion of the use of artificial intelligence and burgeoning number of data centers being built, future data center energy demand is projected to exceed the power supply. In September 2025 at Energizing@MIT: MITEI's Annual Research Conference, we launched the Data Center Power Forum, a new member interest group focused on the urgent energy needs arising from the rapidly growing electricity demand for data centers. The Forum is a joint effort with the Center for Energy and Environmental Policy Research (CEEPR), which is providing expertise on policy, markets, and economics. The Forum leverages MITEI's established expertise and leadership in convening multiple energy sectors to focus on the timely and complex issues that are affecting many companies involved in siting, development, or long-term support of data centers and their operations. Eight existing Future Energy Systems Center members joined the Forum in FY26. Three quarterly Forum meetings were held between January and May, focusing on topics such as data center flexibility, the interconnection of new energy supplies, policy choices for a new load paradigm, and more.

Organize better assessments of the technical and economic feasibility of energy technologies and their lifecycle emissions

Under the leadership of MITEI Director William H. Green and Elsa Olivetti (Materials Science and Engineering), the CLEAR initiative is a MIT effort to lead the broader engineering community in establishing protocols for consistent techno-economic and lifecycle assessments of emerging energy and climate technologies. Devising best practices for these analyses is critical for supporting investors and policy makers in making data-backed decisions on which new technologies merit support. Several renowned researchers from universities in the United States and overseas and from national laboratories serve on the CLEAR steering committee, and leading companies have supplied technical experts for CLEAR subcommittees. The CLEAR initiative is supported by five energy and power companies based in the United States, Europe, and Japan.

Revitalize energy education at MIT

As the leader of MIT's energy education efforts, MITEI manages several programs to prepare the next generation of innovators, policy makers, and researchers to collaborate on solutions to global energy challenges. MITEI engages with about 25,000 online learners each year and with hundreds of MIT students involved in member-supported sponsored research, graduate scholarships, MITEI's Energy Undergraduate Research Opportunities Program (UROP), energy-related clubs, and the undergraduate minor.

In FY26, MITEI gained approval from the Institute's curriculum committee to streamline core requirements for the Energy Studies Minor (ESM) and refresh the electives. The changes have already resulted in increased interest in the ESM, and by early FY27 we expect to be able to easily identify undergraduates who are already close to fulfilling the requirements of the ESM and may just need

some encouragement to complete the remaining courses. MITEI continues to provide support for the development of new energy-related courses, the hiring of teaching assistants for ESM courses, and energy-related programming for MIT's Independent Activities Period (IAP). During the 2026 IAP, more than 500 MIT students and community members learned about today's energy challenges through activities and courses either run by or financially supported by MITEI. In FY26, we also moved our open online courses to a new hosting platform and launched a new course utilizing a modeling tool developed at MITEI. To serve the burgeoning need for summer job opportunities for undergraduates, we significantly expanded FY26 summer UROPs. We also offered MITEI UROPs the opportunity to engage with other UROPs working on climate and sustainability topics. (Read more in **Education**.)

Engage more broadly with MIT campus

Although MITEI already funds researchers in more than 20 units across MIT, a major priority has been further strengthening connections with MIT community members and raising awareness of MITEI's mission across campus. MITEI's speaker series, MITEI Presents: Advancing the Energy Transition, was first launched for the MIT community in FY25 and has continued to gain traction with increased average audience numbers year over year. The series has attracted marquee speakers such as International Energy Agency Executive Director Fatih Birol. We continue to increase our non-research collaborations with other DLCs and campus groups. In FY26, we co-hosted the annual congressional seminar with the Climate Project, Climate Policy Center, and MIT Washington office; had breakfast and lunch collaboration meetings with the Climate Project, the MIT Energy and Climate Club, the MIT Institute for Data, Systems, and Society, and other units; and coordinated with the MIT Climate and Sustainability Consortium on data center topics.

On campus and beyond, MITEI's outreach efforts foster dialogue within the research community and across the academic, industry, and government sectors and provide the public with context on current energy issues. MITEI's Energy of the Future campaign, launched in FY25, produces video and written interviews with students who contribute to advancing the energy transition. We also spotlight these students in social media and campus poster campaigns. MITEI's digital annual impact report highlights accomplishments of the previous year, and we promote information from the report in social media and through a campus poster campaign to increase awareness of MITEI's mission and work. In FY26, we completed the first season of the MITEI podcast, *What if it works?*, which featured conversations with MIT faculty and researchers working on energy solutions. The MITEI communications team also published 21 original news articles. Across print and digital platforms these articles highlighted MITEI events; MIT energy researchers, students, and their work; and MIT-spinout companies with ties to MITEI. MITEI articles are frequently republished by MIT News, providing broader reach. (Read more in **Outreach**.)

FY26 highlights





In FY26, MITEI launched the "Future of Fuels: Pathways to Sustainable Transportation" study to examine sustainable fuel options for tough-to-decarbonize transportation.



MIT Graduate Student Shreya Agarwal presents Future Energy Systems Center research on carbon dioxide capture and conversion at the 2025 Energizing@MIT: MITEI's Annual Research Conference. *Photo: Gretchen Ertl*

Research & analysis

Three of MITEI's FY26 priorities are directly related to our research efforts—encouraging MITEI sponsors to fund more research, addressing the data center energy problem, and improving assessments for new energy technologies. MITEI's research portfolio reflects our primary objectives of advancing the energy transition through low-carbon solutions, increasing energy security, and improving access to reliable, clean, and affordable energy. MITEI connects researchers from across MIT and facilitates collaborations with industry, nonprofits, and government to speed the development of zero- and low-carbon technologies, with the goal of building sustainable global energy systems that can contribute to mitigating greenhouse gas emissions. At any given time, MITEI and its members support more than 100 active research projects, including innovative early-stage energy projects awarded through the MITEI Seed Innovation Fund Program. MITEI manages tens of millions of dollars for sponsored research annually, often building multidisciplinary MIT research teams to address fundamental or applied energy transition challenges. Through our Future Energy Systems Center, we use advanced system modeling and analysis techniques to assess the feasibility of decarbonization technologies and pathways. With our close collaborator, the MIT Center for Energy and Environmental Policy Research (CEEPR), we support research on energy and environmental policy and economics to support improved decision-making by government and industry.

With support from both member and philanthropic funding, MITEI launched 54 research projects in FY26 totaling over $28 million, a 20% increase in research funding from FY25. The focus area that garnered the most new research support this year was sustainable fuels, with funding of $7.84 million. The balance of this year's research funding was allocated to support a range of other energy topics, including decarbonizing industry, management of the electrical grid, energy storage, and buildings. With support from its members, as well as numerous foundations, donors, various state and federal government entities, and university partners, MITEI has supported 1,117 projects from its inception through FY26.

Funding for early-stage research

In FY26, six early-stage research projects submitted during the annual MITEI Seed Innovation Fund call were funded for a total of more than $1 million. Each of the six projects received $175,000 to explore novel energy-related ideas and open up new avenues of research that will help speed the clean energy transition. The chosen projects address challenges related to data centers, fast-charging batteries, and geothermal systems, among others. The projects were selected from 51 proposals submitted by 63 faculty and researchers across 21 departments, labs, centers, and initiatives.

Future Energy Systems Center

MITEI's Future Energy Systems Center is a member-funded research consortium in which nearly all of MITEI's member companies participate. The Center's research portfolio aims to foster and inform interdisciplinary energy research across MIT, conducting integrative analysis of the entire energy system to understand the cross-sectoral impact of the energy transition. Using techno-economic and lifecycle analysis to examine energy pathways in different sectors, the Center enables its corporate members to explore and develop strategic energy plans, taking into consideration technology, economics, and policy.

- **Future Energy Systems Center projects:** The Center funded 16 new projects, bringing the number of active Center projects to 69. The topics of this year's projects ranged from the market pathways and cost targets for long-duration energy storage in the United States to the quantification of nuclear energy and other firm low-carbon energy costs. MITEI will kick off meetings for the eight projects chosen at the end of FY26 at the Center's September 2026 Workshop.
- **Future Energy Systems Center meetings and workshops:** In May, the Future Energy Systems Center held its spring workshop to kick off projects selected in late 2025 and to identify energy topics becoming new priorities for members. The Center workshop included sessions on energy storage, the path from innovation to grid deployment, electricity prices and household affordability, and regional energy transition challenges and opportunities in Europe. The Center workshop also included an advisory committee meeting and student presentations and a poster session. The Center workshop was coordinated with the CEEPR workshop, with half a day of overlapping sessions.
- **Future Energy Systems Center webinars:** The Center hosted 20 webinars to update existing projects, as well as four lightning talk sessions to allow members to review new proposals. The webinar series is a platform for MIT researchers from across departments to share insights on emerging technologies, policy developments, and sustainability challenges by highlighting the latest updates from their Center-supported projects.
- **Technology dashboards:** The Center developed technology dashboards to explore the energy transition through the lens of critical technologies. The dashboards provide members with assessments and pathway comparisons across cost, emissions, and energy efficiency. The dashboards are available to MITEI companies on the member website and so far include topics such as hydrogen, steel, fission, fusion, and enhanced geothermal.

- **New focus area:** The Center created the long-duration energy storage (LDES) focus area to centralize existing LDES work and bring together MIT researchers who will conduct analyses across key LDES use cases, assess leading technologies, and compare their costs, technical feasibility, and scalability. This work will help identify the most promising LDES pathways, key research gaps, and potential next steps for future member engagement, sponsored research, or broader studies on this topic.

There are currently 30 Future Energy Systems Center corporate members. The member companies span four continents and are involved in many sectors, including energy, utilities, automotive, semiconductors, mining/metals, chemicals, telecommunications, infrastructure, insurance, and engineering/construction. MITEI is in discussions with a number of prospective members.

Studies and reports

In FY26, MITEI launched the next in its series of "Future of..." studies with a two-year effort to examine sustainable fuel options for tough-to-decarbonize transportation, such as aviation, international shipping, long-haul trucking, and freight rail. The "Future of Fuels: Pathways to Sustainable Transportation" study is analyzing the production of sustainable fuels, including biofuels derived from biomass and e-fuels derived from hydrogen and captured carbon dioxide (CO_2). The study will include a comparison between sustainable drop-in fuels and the major non-drop-in fuels, such as renewable methanol, ethanol, ammonia, and natural gas. A key aspect of the study is an analysis of policies for decarbonization long-distance transportation and of policies that could enable a more efficient trajectory for the switch to sustainable fuels. William H. Green, MITEI director and Hoyt C. Hottel Professor of Chemical Engineering, is leading the study, and Randall Field, MITEI's director of research, serves as executive director.

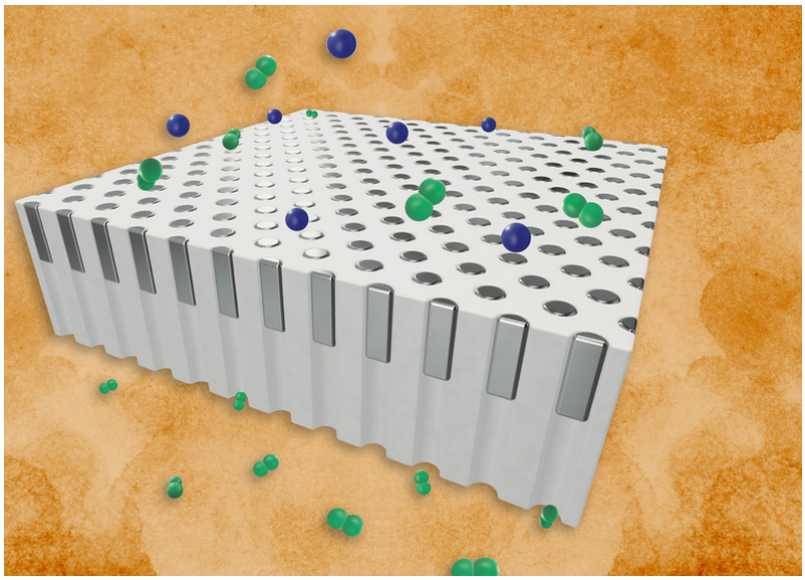


Macro, a new computer modeling tool developed by a MITEI research team, will help infrastructure planners working in the electricity and other energy-intensive sectors better predict and prepare for future needs and conditions as they develop plans for power generation capacity, transmission lines, and other necessary infrastructure. This research tool is accessible at: energy.mit.edu/macro.

MIT researcher highlights

A selection of articles from MITEI and MIT News featuring MITEI-supported research at MIT. To read the articles, visit the online version of this briefing book.

- **MIT Energy Initiative launches Data Center Power Forum**
  In September 2025, MITEI launched its Data Center Power Forum—an effort that brings together MIT researchers and industry experts to explore innovative solutions for powering the data-driven future. The Forum is a targeted research effort for MITEI member companies interested in addressing the challenges of data center power demand.
- **How artificial intelligence can help achieve a clean energy future**
  Researchers at MIT and MITEI are investigating how artificial intelligence can be harnessed to support the clean energy transition.
- **Helping power-system planners prepare for an unknown future**
  Macro, a modeling tool developed by MITEI researchers, enables energy-system planners to explore options for developing infrastructure to support decarbonized, reliable, and low-cost power grids.
- **Next-generation geothermal energy: Promise, progress, and challenges**
  Geothermal innovators at MIT and elsewhere are seeking deeper and hotter rocks to generate electricity at scale. MITEI is sponsoring next-generation geothermal projects through its Future Energy Systems Center.
- **Robotic probe quickly measures key properties of new materials**
  Scientists are striving to discover new semiconductor materials that could boost the efficiency of solar cells and other electronics. The pace of innovation is bottlenecked by the speed at which researchers can manually measure important material properties, but a fully autonomous robotic system developed by MIT researchers could speed things up.
- **Responding to the climate impact of generative AI**
  The explosive growth of artificial intelligence data centers is expected to increase greenhouse gas emissions. Researchers at MIT, including MITEI Principal Research Scientist Deepjyoti Deka, are seeking solutions to reduce these environmental harms.
- **Palladium filters could enable cheaper, more efficient generation of hydrogen fuel**
  MIT engineers have developed a new palladium membrane that remains resilient at much higher temperatures when separating hydrogen from gas mixtures.
- **How data centers can better manage energy use**
  A new study by MIT researchers indicates that the impact of data centers could vary significantly, depending on how their energy use is structured. The study suggests that flexibility in the timing of electricity consumption could lower consumer costs.
- **MIT engineers solve the sticky-cell problem in bioreactors and other industries**
  MIT researchers have improved the efficiency of biofuel production, as well as the use of bioreactors to grow algae and other microorganisms that absorb CO_2, by developing a method that uses electrochemically generated bubbles to detach sticky cells from surfaces on demand.



MIT engineers have developed a new palladium membrane that remains resilient at much higher temperatures. The new design is made from palladium that is deposited as "plugs" into the pores of an underlying supporting material. At high temperatures, the snug-fitting plugs remain stable and continue separating out hydrogen, rather than degrading as a surface film would. This illustration of the membrane shows selective permeation of hydrogen (green) from a mixture of hydrogen and helium (blue) gases. *Credit: Lohyun Kim*

- **Parking-aware navigation system could prevent frustration and emissions**
  MIT researchers have developed a parking-aware navigation system that helps drivers identify lots offering the optimal balance between proximity to their destination and the likelihood of available spaces.

Publications

A selection of MITEI-supported journal articles published in FY26.

Federico Parolin, et al. "Sectoral and spatial decomposition methods for multi-sector capacity expansion models." ***Energy Conversion and Management*****. June 2026.**
bit.ly/46ebZla
Multi-sector capacity expansion models play a crucial role in energy planning by providing decision support for policy-making in technology development, but these models require high technological, spatial, and temporal resolution, which can lead to large-scale linear programming problems. This paper aims to improve computational efficiency by proposing new decomposition strategies targeting the sectoral and spatial domains. Results show a substantial performance improvement.

Stephen J. Lee and Cailinn Drouin. "Forecasting residential heating and electricity demand with scalable, high-resolution, open-source models." ***Energy and AI*****. May 2026.**
bit.ly/46faKIO
This paper presents a novel framework for high-resolution forecasting of residential heating demand and non-heating electricity demand using probabilistic deep learning models. This paper focuses specifically on providing hourly building-level electricity and heating demand forecasts for the residential sector. By offering an open-source, scalable, high-resolution platform for demand estimation and forecasting, this research advances the tools available for policy makers and grid planners, contributing to the broader effort to decarbonize the U.S. building stock and meeting climate objectives.

Sujit Modi, et al. "Rapid and single-step synthesis of carbon–silicon composites using a continuous aerosol approach." *Carbon*. April 2026.
bit.ly/4ywOWyc
This paper demonstrates a single-step, continuous aerosol approach for synthesizing carbon-silicon composites, particularly promising anode materials for high-capacity lithium-ion batteries. This approach significantly reduces synthesis time, utilizes lignin (a waste byproduct of the pulping industry) as a carbon precursor, and enables additive-free encapsulation of silicon nanoparticles in carbon.

Philippe Jean-Baptiste, et al. "Spinning of defect-free poly(arylene ether) asymmetric hollow fiber membranes for gas separations." *Journal of Membrane Science*. April 2026.
bit.ly/4xW0rPF
Industrial separations using membranes have long been considered a potential supplement or alternative to traditional heat-intensive methods that involve phase transitions. This paper presents an early attempt to manufacture an emerging class of polymers into industrially relevant hollow fiber membrane geometries while providing useful insights into the unique challenges of spinning microporous polymers.

Christopher M. Douglas, et al. "Techno-economic analysis and lifecycle assessment of methanol synthesis plants using renewable hydrogen and carbon dioxide feedstocks." *Energy Conversion and Management*. January 2026.
bit.ly/3UGe6M5
This paper presents a cradle-to-gate techno-economic analysis and lifecycle assessment of synthetic methanol production leveraging low-carbon electrolytic hydrogen and renewable CO_2 captured from biomass- or biogas-powered bioenergy with capture or direct air capture facilities. Using a detailed chemical process model and a comprehensive cash flow analysis, the researchers evaluate the mass and energy requirements for renewable methanol production plants using an integrated approach that couples scale effects, feedstock and energy prices, process emissions, and several other variables.

Taemin Heo, et al. "A decomposition algorithm using multiple linear approximations to solve integrated design and scheduling optimization frameworks: Case study of nuclear based co-production of electricity and hydrogen." *Computers and Chemical Engineering*. November 2025.
bit.ly/4ikpF5q
This paper introduces a modeling framework for optimizing integrated design and scheduling of grid-interactive facilities with heat and mass integration and multiple co-products. Using a novel decomposition algorithm utilizing multiple linear approximations, the framework enables efficient optimization over 8760 hours of annual operation while including a large number of nonlinear constraints, improving scalability and performance as compared to previous methods.

Ernie I.H. Lee, et al. "Morphology-based correction improves plant height estimation from drone RGB SfM photogrammetry in dense salt marsh canopy." *Remote Sensing Applications: Society and Environment*. November 2025.
bit.ly/4gKtjEx
The height of salt marsh vegetation is a key biophysical trait used to assess ecological health, monitor marsh restoration, and evaluate coastal protection from wave attenuation. This study defined a morphology-based correction that improved the accuracy of digital surface model (DSM)-derived canopy height for Spartina alterniflora. Furthermore, this study provides a framework for

selecting drone flight settings, processing parameters, and predicting canopy-height correction factors to improve DSM-based plant height measurements in dense canopies and heterogeneous vegetation surfaces.

Zoe De Simone. "Energy transition and equity: Quantifying pathways to building decarbonization based on notions of fairness." *Energy Policy*. November 2025.
bit.ly/4ysZxKm
To develop incentive structures that balance long-term building-related carbon emissions and equity, this paper provides a model that combines a physics-based urban building energy model with U.S. homeowners' willingness-to-pay predictions and a spectrum of incentive policies. The findings reveal that the researchers' evidence-based policy framework facilitates the achievement of concurrent carbon reduction and equity goals, allows comparison of policies on the bases of long-term community impact, and avoids potential policy pitfalls of over and under incentivization.

Akshay Deshmukh. "Partition–diffusion–reaction bounds for thin-film membrane formation kinetics." *Chemical Engineering Journal*. November 2025.
bit.ly/46g67b2
Membranes play an important role in the design of efficient industrial separations, which collectively account for 10-15% of global energy consumption. This paper develops a tractable, physics-based model that enables the rapid quantification of monomer and solvent impact on interfacial synthesis, which is essential for the rational development of new high-performance thin-film composite membranes.

Lohyun Kim, et al. "Nanostructured hydrogen-selective palladium "plug" membranes capable of withstanding high temperatures." *Advanced Functional Materials*. October 2025.
bit.ly/3SYOfOW
This paper develops a nanostructured palladium (Pd) "plug" composite membrane to mitigate key degradation mechanisms in conventional Pd membranes. The proposed Pd plug comprises discretized, thermally stable plug structures embedded in nanopores of a silicon-based membrane. This paper establishes the Pd plug membrane as a strong candidate for high-temperature hydrogen (H_2) separations and illustrates the design of membranes with thermally stable metal nanostructures as a general strategy to realize high-temperature H_2 separations.

Rahman Khorramfar, et al. "Power-gas infrastructure planning under weather-induced supply and demand uncertainties." *European Journal of Operational Research*. September 2025.
bit.ly/4r2oYje
This paper considers the generation and transmission expansion problem of joint power-gas infrastructure and operations planning under the uncertainty of both demand and renewable supply. This paper proposes two distributionally robust optimization approaches, and tests the resulting models and solution strategy through a New England case study under different levels of end-use electrification and decarbonization targets.

Jong-Soo Bae, et al. "Additive manufacturing of strong and ductile In939+TiB2 by laser powder bed fusion." ***Materials Science and Engineering: A*****. September 2025.**
bit.ly/4r3qFx7
This paper explores the influence of TiB2 on the additive manufacturing of Inconel 939 superalloy (In939) by laser powder bed fusion, showing exceptionally high-temperature strength and superior performance in In939+TiB2. This study paves the way for performance enhancement of critical components made of In939—like turbine blades and engine parts—in many sectors, including energy, aerospace, and automotive.

Daniela Ferreira-Garcia, et al. "Electrochemical organic waste conversion: A route toward food security and a circular economy." ***Current Opinion in Chemical Engineering*****. September 2025.**
bit.ly/4gYOWj6
This paper proposes a transition from a linear to a circular economic model for agricultural production centered on converting waste streams into valuable resources. This approach will enable a paradigm shift from centralized production facilities to a distributed manufacturing model integrated with renewable energy infrastructure, supporting UN Sustainable Development Goals around food security.

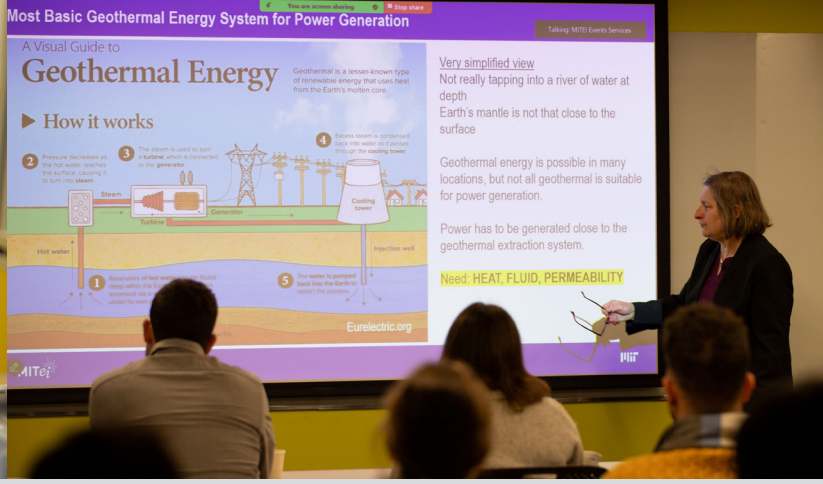
Nancy Soliman, et al. "Nano-carbon black (nCB)-dispersed cement composites: A macro-to-nano investigation revealing trade-offs between electrical conductivity and mechanical strength." ***Construction and Building Materials*****. August 2025.**
bit.ly/4ik8sJp
This paper uses a top-down multiscale approach to investigate trade-offs in nano-carbon black (nCB) dispersion for optimal performance and sustainability of electron-conductive concrete. This research provides insights into nCB dispersion, aiding the design of advanced smart concrete with balanced conductivity and mechanical properties.

Yunsie Chung and William H. Green. "New modified Arrhenius equation to describe the temperature dependence of liquid phase reaction rates." ***Chemical Engineering Journal*****. July 2025.**
bit.ly/4xeqrEE
This paper proposes a new modified Arrhenius equation that can correctly describe the temperature trends of liquid phase rate constants from room temperature up to the critical temperature of a solvent. By addressing the limitations of the original Arrhenius equation, this paper supports chemical reactions in subcritical or near-critical solvents, holding significant promise for numerous industrial and environmental applications.

Angelo Gurgel, et al. "Role of advanced steelmaking technologies in global climate change mitigation scenarios." ***Journal of Cleaner Production*****. July 2025.**
bit.ly/3Tq0ILH
This paper explores decarbonization strategies in the iron and steel sector using the MIT Economic Projection and Policy Analysis (EPPA) model, a multi-sector, multi-region model of the world economy. Depending on technology assumptions, this paper finds that steelmaking can be more or less costly to decarbonize compared to the energy sector as a whole, with those associated costs strongly determining the scale of strategy deployment.



Katelyn Groenhout, an Energy Scholar in the 2025-2026 cohort, has been working in Yuriy Román's (Chemical Engineering) catalysis lab using electrostatics to accelerate chemical reactions without using excess heat, which is the traditional method that requires large amounts of energy. *Photo: Kelley Travers*



During MIT's Independent Activities Period, MITEI Deputy Director Carolyn Ruppel taught a bootcamp on the fundamentals of geothermal energy. *Photo: Charlotte Whittle*

Education

Energy Studies Minor (ESM)

MITEI manages the ESM curriculum, which enables undergraduate MIT students to gain an integrative understanding of energy and develop the skills required of tomorrow's energy professionals, leaders, and innovators in research, industry, policy, management, and governance. 224 students have graduated with the ESM, including eight who finished in June 2026. With the leadership from 2025 Chair of the Energy Minor Oversight Committee, Daniel Frey (Mechanical Engineering), and newly appointed Chair Matthew Evans (Physics), we streamlined the core curriculum requirements by removing non-essential economics prerequisites. We also incorporated seven new energy electives and awarded more than $112,000 in support of new energy courses. This investment increases the visibility and relevance of energy studies to students across departments, including computer science majors interested in the applications of AI/machine learning for analyzing and solving energy challenges. We also continue to coordinate closely with other energy, climate, and sustainability programs at MIT to enhance efficiency, engage more students, and build a wider network of students invested in energy and climate solutions.

Teaching assistant support

MITEI provided $150,000 in support for graduate teaching assistants in the following subjects: 11.192: Renewable Energy Siting Clinic (Spring and Fall terms), 22.081[J]: Sustainable Energy, EC.711: Introduction to Energy in Global Development, and EC.712[J]: Applications of Energy in Global Development.

Graduate Scholars

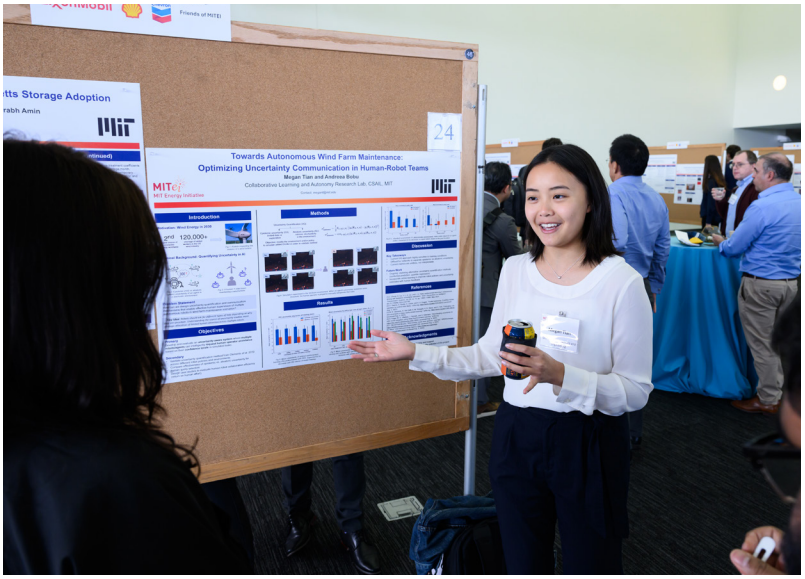
In 2025-2026, MITEI welcomed 20 new graduate students and postdocs to the Society of Energy Scholars (formerly known as the Society of Energy Fellows). The Energy Scholars network now totals more than 560 current and former graduate students and postdoctoral fellows, spanning 20 departments and divisions at MIT's five schools and one college. This year's fellowships were supported by MITEI member companies Shell, Chevron, ENI, Equinor, and ExxonMobil, and by Friends of MITEI.

Undergraduate energy research

During FY26, MITEI supported 98 Energy Undergraduate Research Opportunity Program (UROP) student projects, bringing the total UROPs supported by MITEI since inception to 1,158. For the summer UROP cohort, MITEI sponsors optional weekly lunches, as well as periodic lunches with climate and sustainability UROPs. In addition, these students prepare a poster presentation for MITEI's Annual Research Conference in September.

Online energy courses

To train global professionals, policy makers, and students in energy topics and tools to support and accelerate the energy transition, the MITEI education team has developed a series of open online courses (MOOCs) based on interdisciplinary residential MIT subjects. These courses are free and available in almost every country and have attracted more than 150,000 online learners since 2020. The courses include Sustainable Building Design; Sustainable Energy; Energy Economics and Policy; Transformative Living Labs in Mobility; and a newly offered course utilizing the SESAME modeling tool developed at MITEI, Systems Thinking in Energy: Navigating Costs, Emissions, and Impact.



Megan Tian, a student participating in MITEI's Energy Undergraduate Research Opportunities Program, presents her research on autonomous wind farm maintenance at Energizing@MIT: MITEI's Annual Research Conference in 2025. *Photo: Gretchen Ertl*

IAP courses

MITEI provided $88,000 in support for nine IAP courses, workshops, and field trips in January 2026. These activities engaged approximately 200 MIT students and over 320 participants from the MIT community and beyond. Offerings included: Sustainable AI; Renewable Energy Facility Siting Clinic; Energy Policy and Planning in Practice; Energy Facilities Field Trips; Applications of Energy in Global Development: 4 Field Trips Abroad; Modeling Energy Systems for a Data-Center-Driven Future; Geothermal Energy Fundamentals: IAP bootcamp; and Intro to Thermal Energy Networks with Field Trips.

Discover the Energy Transition: First-Year Pre-Orientation Program

MITEI's summer 2025 energy pre-orientation program welcomed 16 first-year students to the MIT community. Activities included a visit to a sustainable farm, tours of MIT's Nuclear Reactor Lab and the Plasma Science and Fusion Center, a ride on a solar-powered boat on the Charles River, and talks with faculty and student group leaders.





During the 2025 Discover the Energy Transition: First-Year Pre-Orientation Program hosted by MITEI, students traveled on the Charles River on a solar powered boat from Worden Marine, led by founder and MIT alumni James Worden '89. *Photos: Charlotte Whittle*

MIT Student Energy Groups

MITEI provides financial and staff support for a number of student groups throughout the year.

GEO@MIT is a student consulting group that equips students with cutting-edge research in thermal energy systems to accelerate the decarbonization of campuses and cities.

The **MIT Energy and Climate Club** connects students, alumni, and community members who are passionate about energy and climate change. Since 2004, MITEC has been a central platform for discussions about energy at MIT, the world's leading technical institute.

The **MIT Energy and Climate Hack** brings opportunities for learning, problem solving, and networking to the forefront as teams develop rapid, innovative solutions to the problems in energy and climate that our society faces today.

MIT Motorsports is a student-run team that fully designs, manufactures, and races a new electric Formula One style race car every year. They compete in Formula SAE Electric, the largest intercollegiate engineering design competition in the world with over 600 participating universities, as well as Formula Hybrid + Electric.

The **MIT Solar Electric Vehicle Team** is a student group under the MIT Edgerton Center. Every two years they design and manufacture a solar-powered vehicle that competes in prestigious national and international competitions.

The **MIT Sustainable Engine Team** is a dedicated group of students at MIT passionate about the potential of hydrogen gas turbine engines. Through their designs, fabrication, and testing, they aim to elevate the efficiency of these engines.

MIT Wind focuses on the technical, logistical, ecological, and societal implications of adding renewable wind energy to the electricity generation mix. Undergraduates in MIT Wind compete in the Collegiate Wind Competition, an annual design competition hosted by the U.S. Department of Energy.



At a MITEI Presents: Advancing the Energy Transition seminar, Georgina Campbell Flatter, the CEO of Greentown Labs, emphasized the importance of collaboration in the entrepreneurship space.
Photo: Kelley Travers



Kelly Sims Gallagher, dean of the Fletcher School at Tufts University and an expert on China's energy landscape, addressed the global clean tech race between China and the United States in her keynote at Energizing@MIT: MITEI's Annual Research Conference in 2025.
Photo: Gretchen Ertl

Outreach

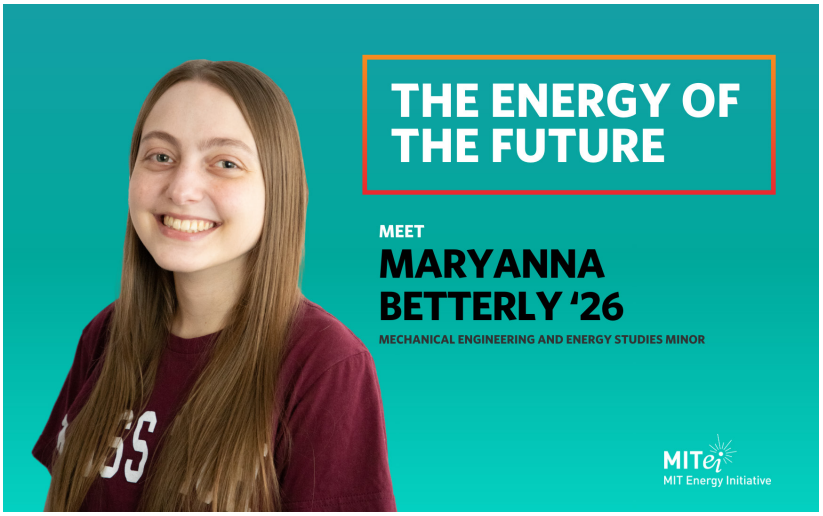
MITEI Presents: Advancing the Energy Transition speaker series

This speaker series connects the MIT community with energy experts and leaders. Five speakers were hosted by MITEI in FY26, including Kurt Kelty, the vice president of battery, propulsion, & sustainability at General Motors; Emily Reichert, the CEO of the Massachusetts Clean Energy Center; Nicholas Burns, the former U.S. Ambassador to the People's Republic of China and now the Goodman Professor of the Practice of Diplomacy and International Relations at Harvard University's Kennedy School of Government; Georgina Campbell Flatter, the CEO of Greentown Labs; and Fatih Birol, the executive director of the International Energy Agency.

Podcast: *What if it works?*

In November 2025, we concluded the first season of our podcast series, *What if it works?* The podcast had more than 1,600 subscribers with 20 published episodes by the end of FY26. Every two weeks, MITEI hosts Rob Stoner and Kara Miller spoke with energy experts about the science, technologies, and policies that can transform energy systems and provide a more sustainable future. In each episode, listeners heard from MIT faculty testing new ideas and working on breakthroughs in MIT labs and at startups, industry, and government. Guests hosted in FY26 included Jessika Trancik (IDSS) and Asegun Henry (Mechanical Engineering).

As part of The Energy of the Future campaign, Energy Studies Minor Maryanna Betterly '26 shares how coupling the minor with her major in mechanical engineering has given her a more holistic perspective on the energy transition. *Photo: Charlotte Whittle*



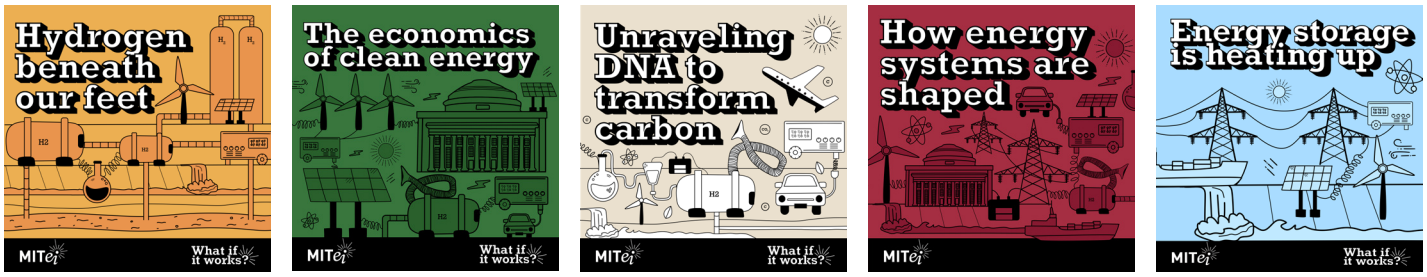
The Energy of the Future

In FY26, MITEI continued an outreach campaign showcasing the work of our energy students and their efforts to advance the energy transition and expand energy access. This effort supports MITEI's priority of engaging more broadly with campus and growing our social media audiences. In FY26, we published eight short videos featuring Energy UROP participants and Energy Studies Minors on Instagram and LinkedIn. We promoted the videos across campus with both print and digital advertisements and a special display in the Infinite Corridor. We also expanded the reach of our videos by repurposing them as 3-Question-style articles.

Energizing@MIT: MITEI's Annual Research Conference

Energy researchers, policy makers, and industry members came together this year to explore the theme "tackling emerging energy challenges" at MITEI's Annual Research Conference, which was renamed Energizing@MIT: MITEI's Annual Research Conference. The conference included panels on sustainable fuels for hard-to-electrify sectors of transportation, carbon capture in power generation, vehicle electrification, and MITEI Seed Innovation Fund projects. Speakers included Alvin Shaffer, head of partnerships for Equinor; China expert Kelly Sims Gallagher, the dean of the Fletcher School at Tufts University; Giacomo Silvestri, the chairman of Eniverse Ventures, and Annalisa Muccioli, head of research and technological innovation, at Eni; and Jennifer Pearce, the vice president of Avangrid.

Episode art from the MITEI podcast, *What if it works? Art: Zeitler Design*



Earth Day Colloquium

As part of MIT's celebration of Earth Week, MITEI hosted Fatih Birol, the executive director of the International Energy Agency, who discussed the impact of the war in the Middle East on global energy systems now and for years to come.

Congressional Staff Seminar

MITEI, the MIT Climate Project, the MIT Washington Office, and the Climate Policy Center jointly hosted a bipartisan group of 30 U.S. House, Senate, and Congressional committee staffers for three days of panels, tours, and presentations about energy and climate research from faculty, research scientists, and students. Topics included resilient data centers, fusion, small modular reactors, advanced geothermal technology, powering long-distance transportation, and the innovation pipeline. The seminar was held in April 2026.

Spring Symposium

In March 2026, MITEI's Spring Symposium brought together researchers, industry leaders, and academic experts to explore next-generation geothermal energy for firm power. Speakers included senior leaders from companies leading the siting and development of enhanced and superdeep geothermal systems, innovating to manage the harsh conditions at higher temperatures and greater depths, and devising approaches to making geothermal energy a sustainable source of clean baseload power. Organized by Carolyn Ruppel, MITEI's deputy director, with collaboration from MIT Proto Ventures geothermal channel lead, Andrew Inglis, the symposium also featured MIT faculty discussing inventions to advance next-generation geothermal. The day after our symposium, MITEI co-hosted the GeoTech Summit with the Clean Air Task Force to discuss encouraging new investments in the next-generation geothermal space.



Carolyn Ruppel, MITEI deputy director of science and technology, and Andrew Inglis, the venture builder in residence with MIT Proto Ventures, wrap up the 2026 Spring Symposium following a series of discussions on opportunities for next-generation geothermal energy. *Photo: Gretchen Ertl*

Fatih Birol, executive director of the International Energy Agency, discussed the potential short- and long-term impacts of the current disruptions to the world's energy markets at MITEI's Earth Day Colloquium. *Photo: Kelley Travers*



Events

MITEI SEMINARS AND COLLOQUIA, AND MITEI-SPONSORED EVENTS, 2025-2026 ACADEMIC YEAR

September 9-10, 2025:	Energizing@MIT: MITEI's Annual Research Conference: "Tackling emerging energy challenges"
October 6, 2025:	MITEI Special Seminar: "Technological innovation in electricity distribution sector" Praveer Sinha, CEO and Managing Director, The Tata Power Company
October 8, 2025:	MITEI Presents: Advancing the Energy Transition Fall Colloquium: "Driving American battery technology forward" Kurt Kelty, Vice President of Battery, Propulsion, & Sustainability, General Motors
November 12, 2025:	MITEI Presents: Advancing the Energy Transition "Making Massachusetts the world's climate innovation lab" Emily Reichert, CEO, Massachusetts Clean Energy Center
February 10, 2026:	MITEI Presents: Advancing the Energy Transition "Lessons for the future of the U.S.-China relationship" Nicholas Burns, former U.S. Ambassador to the People's Republic of China; Goodman Professor of the Practice of Diplomacy and International Relations, Harvard University Kennedy School of Government

March 4, 2026:	MITEI Spring Symposium: "Next-generation geothermal for firm power"
March 5, 2026:	GeoTech Summit: Accelerating Geothermal Technology, Projects, and Deal Flow co-hosted with Clean Air Task Force
March 17, 2026:	MITEI Presents: Advancing the Energy Transition "The power of AND: Entrepreneurs, ecosystems, and the future of climate and energy innovation" Georgina Campbell Flatter, CEO, Greentown Labs
April 8, 2026:	MITEI Presents: Advancing the Energy Transition Earth Day Colloquium: "The outlook for global energy markets and implications for energy security, competitiveness, and sustainability" Fatih Birol, Executive Director, International Energy Agency
April 9, 2026:	U.S. C3E Women in Clean Energy Symposium: "Powering Our Future" co-hosted with the U.S. Department of Energy, Stanford University's Precourt Institute for Energy, and Arizona State University

Governance



MITEI leadership team

William H. Green, MITEI director and Hoyt C. Hottel Professor at MIT, continues to lead MITEI's leadership team. In April 2026, Antje Danielson retired from her position as director of education, and in June 2026, Rowan Elowe was announced as her successor and promoted to Director, Education.



William H. Green, Director



Carolyn Ruppel, Deputy Director of Science and Technology



Martha Broad, Executive Director



Leia Amarra, Assistant Director of Financial & Research Administration



Morgan Andreae, Executive Director, Future Energy Systems Center and Eni-MIT Alliance



Rowan Elowe, Director, Education



Randall Field, Director, Research



J.J. Laukaitis, Director, Member Services



Sarah MacLeod, Human Resources Administrator



Tom Witkowski, Director, Communications

External Advisory Board

The MITEI External Advisory Board, composed of esteemed industry, academic, nonprofit, and public sector leaders, meets each autumn and provides feedback on MITEI's ongoing work and priorities. The Board, chaired by Ellen Williams, Distinguished University Professor Emerita, University of Maryland, offers perspectives and guidance that assist MITEI in maximizing its impact on campus and in the wider energy community. The FY26 meeting was held in October 2025.

Governing Board

The Governing Board, consisting of representatives of the Founding and Sustaining members of MITEI, provides input on the overall research directions and member activities and serves as the Program Committee for the Energy Research Seed Innovation Fund. The Board meets at least once a year. Founding and Sustaining members each have a seat on the Board.

MIT Energy Initiative External Advisory Board, October 2025. *Photo: Jared Charney Photography*



MITEI members

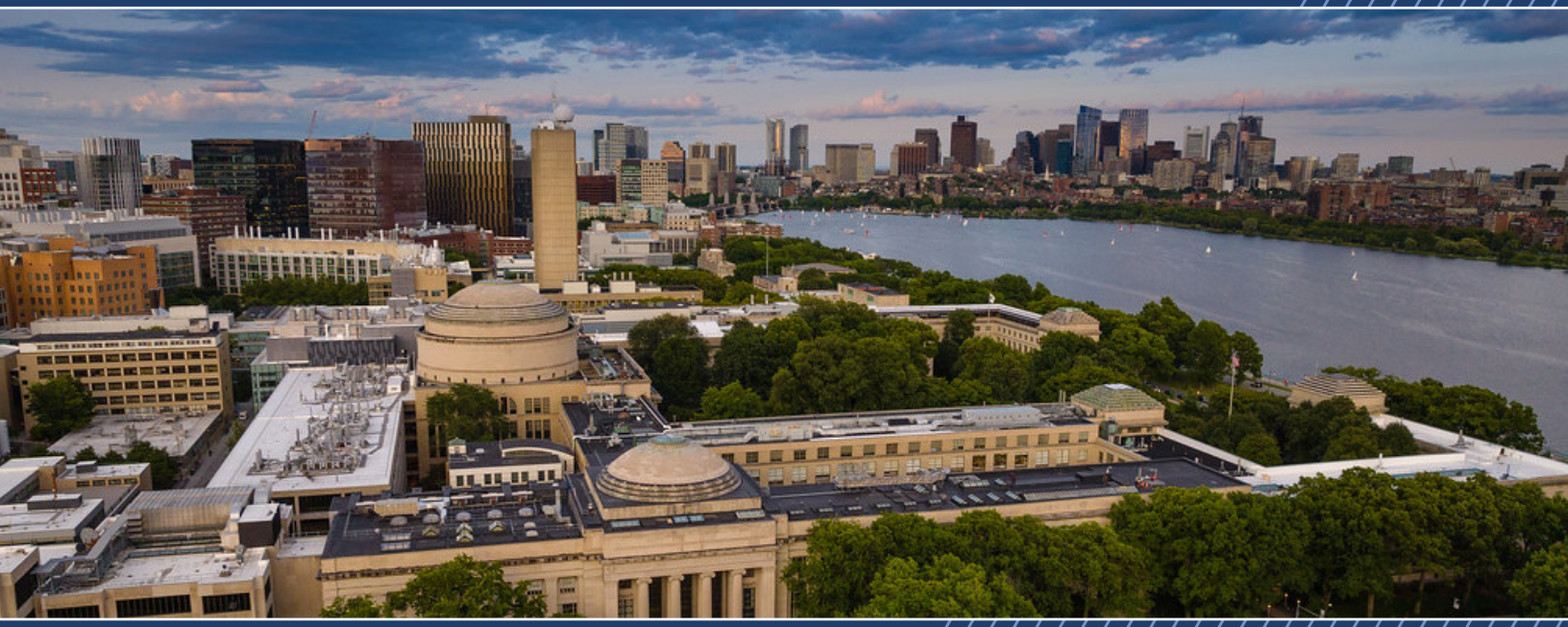
MITEI's corporate member program facilitates collaborations between industry and MIT to research, develop, and accelerate zero- and low-carbon solutions for the energy transition. A multi-tiered membership structure enables diverse private-sector companies to sponsor multidisciplinary "flagship" research programs with MIT faculty; contribute to energy-focused labs, programs, and centers at MIT; fund critical energy fellowships; support innovative energy concepts from proposals solicited across the campus; and participate in MITEI's seminars, lectures, and colloquia. Along with financial support for research, analyses, and education, industry members contribute valuable perspectives and detailed knowledge of real-world conditions for practical scaling-up, deployment, and integration of decarbonization solutions.

MEMBER HIGHLIGHTS

- Through its research memberships and consortium memberships, MITEI works with companies primarily in the energy and power industries. The quality of our membership—and the community of energy and power thought leaders that we have created—continues to be a source of strength for MITEI. Thirty of these companies participate in MITEI's Future Energy Systems Center.
- In FY26, MITEI continued its very close and intensive collaborations with its research members, allowing MITEI to maintain a robust research portfolio. Of special significance are the large, multi-year and multi-PI research projects, primarily those sponsored by Eni, Shell, and ExxonMobil. These projects provide value for MITEI members, who benefit from access to cutting-edge research and technology generated by MIT PIs and students, and for MIT groups that gain support to work on real-world research problems of direct interest and relevance to industry partners.
- MITEI is placing a special focus on business development in Japan, with the goal of developing synergies with this advanced economy that is leading the world in some important aspects of energy technology and policy.

MITEI's member roster is reflective of MITEI's mission to work across the broad industrial spectrum of energy production, conversion, delivery, and usage. A list of members is available on the MITEI website.

Affiliated Groups



MITEI collaborates on research and education activities with faculty members from many MIT centers, departments, and laboratories pursuing interdisciplinary energy and environmental activities. In particular, researchers from both the Center for Energy and Environmental Policy Research (CEEPR) and the MIT Center for Sustainability Science and Strategy (CS3) are funded by MITEI through Future Energy Systems Center and sponsored projects and are collaborating on the Future of Fuels study and other special projects. The senior research scientists in CS3 have MIT appointments administered by MITEI.

Center for Energy and Environmental Policy Research (CEEPR)

CEEPR promotes research on energy and environmental policy to support improved decision-making by government and industry. It is directed by Christopher Knittel, MIT Sloan School Associate Dean for Climate and Sustainability and the George P. Shultz Professor of Applied Economics, and jointly sponsored by MITEI, the Department of Economics, and the MIT Sloan School of Management. A subset of companies has membership in both MITEI's Future Energy Systems Center and CEEPR, and the two centers conduct joint recruitment of some companies, particularly for the Data Center Power Forum.

CEEPR carries out rigorous and objective research for improved decision-making in government and the private sector and closely cooperates with government and industry partners from around the globe. Affiliated faculty and research staff as well as external research affiliates contribute to the empirical study of a wide range of policy issues related to energy supply and demand and the environment. CEEPR produces working papers, policy briefs, and research input to larger, interdisciplinary studies, and hosts two annual research workshops at MIT. CEEPR has extensive previous and current international collaborations and has co-organized a series of international energy policy conferences.

CEEPR houses the Roosevelt Project, a research initiative that takes a multidisciplinary approach to examining the transitional challenges associated with deep decarbonization of the U.S. economy. The project was initiated by former U.S. Secretary of Energy and Cecil and Ida Green Professor of Physics and Engineering Systems emeritus Ernest J. Moniz and engages a breadth of MIT and Harvard faculty and researchers across academic domains including economics, engineering, sociology, urban studies and planning, and political science.

Center for Sustainability Science and Strategy (CS3)

In July 2024, the MIT School of Science launched a center to advance knowledge and computational capabilities in the field of sustainability science, and support decision-makers in government, industry, and civil society to achieve sustainability goals. Researchers at the CS3 develop and apply expertise from across the Institute to improve understanding of sustainability challenges, and thereby provide actionable knowledge and insight to inform strategies for improving human well-being for current and future generations. Noelle Selin, TEPCO Professor at MIT's Institute for Data, Systems and Society and the Department of Earth, Atmospheric and Planetary Sciences, serves as the center's inaugural faculty director. C. Adam Schlosser and Sergey Paltsev, a senior research scientist at MITEI, serve as deputy directors, with Anne Slinn as executive director. CS3 incorporates and succeeds both the Joint Program on the Science and Policy of Global Change and the Center for Global Change Science.

STAY CONNECTED

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