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Confronting the AI/energy conundrum

The MIT Energy Initiative's annual research spring symposium explored artificial intelligence as both a problem and solution for the clean energy transition.

New facility to accelerate materials solutions for fusion energy

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron ...



A new approach could fractionate crude oil using much less energy

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed ...

[Preparing Taiwan for a decarbonized economy](#)

Taiwan's Innovative Green Economy Roadmap (TIGER) is a two-year program with the MIT Energy Initiative, exploring ways that industry and



government can promote and adopt ...



[Evelyn Wang: A new energy source at MIT](#)

As MIT's first vice president for energy and climate, Evelyn Wang is working to broaden MIT's research portfolio, scale up existing innovations, seek new breakthroughs, and ...

Ensuring a durable transition

At the MIT Energy Initiative's Annual Research Conference, speakers highlighted the need for collective action in a durable energy transition capable of withstanding obstacles.



Unlocking the hidden power of boiling -- for energy, space, and ...

Unlocking its secrets could thus enable advances in efficient energy production, electronics cooling, water desalination, medical diagnostics, and more. "Boiling is important for ...



[Study shows how households can cut energy costs](#)

Giving people better data about their energy use, plus some coaching, can help them substantially reduce their consumption and costs, according to a study by MIT ...



[Using liquid air for grid-scale energy storage](#)

Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, ...

MIT Climate and Energy Ventures class spins out entrepreneurs ...

In MIT course 15.366 (Climate and Energy Ventures) student teams select a technology and determine the best path for its commercialization in the energy sector.





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