

Overview

Below, you can find resources and information on the basics of solar radiation, photovoltaic and concentrating solar-thermal power technologies, electrical grid systems integration, and the non-hardware aspects (soft costs) of solar energy.

Technology of home solar power generation



[MIT News , Massachusetts Institute of Technology](#)

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Nuno Loureiro, professor and director of MIT's Plasma Science and

Nuno Loureiro, an MIT professor of nuclear science and engineering and of physics, has died at 47. A theoretical physicist and fusion scientist, and director of the MIT Plasma Science and



[How technology convergence is redefining the future](#)

Innovation thrives on technology convergence, combination, and compounding. Mastering these forces can help tackle global challenges and shape the future of technology.

8 technology trends for innovative leaders post-pandemic , World

COVID-19 led to an explosion of new technologies, forcing business to adapt. Young Global Leaders discuss how to best leverage these technology trends.





Jobs of Tomorrow: Technology and the Future of the World's Largest

Jobs of Tomorrow: Technology and the Future of the World's Largest Workforces explores how AI, robotics, energy and network technologies are reshaping seven major job families

How Does Residential Solar Work? Complete 2025 Homeowner's Guide

Learn exactly how residential solar systems convert sunlight into electricity for your home. Complete guide covering components, safety, and performance.



How Does Solar Work?

Learn the basics of solar energy technology including solar radiation, photovoltaics (PV), concentrating solar-thermal power (CSP), grid integration, and soft costs.

Should Schools Curtail the Use of Technology? Congress Fuels Debate

The debate over whether education technology is a critical learning tool or ineffective and detrimental to children's well-being comes as billions in federal pandemic relief money-the bulk of



Explainer: What is quantum technology and what are its benefits?

Quantum technology will be worth trillions of dollars and transform the economy over the next decade. What is it, and how can we build a

quantum economy?

Rising Use of AI in Schools Comes With Big Downsides for Students

A report by the Center for Democracy and Technology looks at teachers' and students' experiences with the technology.



[Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.

[Future of work: Using technology to improve job matching](#)

The global labour market is transforming due to shifting demographics, new technology and economic disruption. Conventional job-matching systems are becoming outdated as a result,



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