



## Overview

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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

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

MIT News is dedicated to communicating to the media and the public the news and achievements of the students, faculty, staff and the greater MIT community.

### **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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