

Introduction to IEEE and Climate Change Initiatives



Prof. Saifur Rahman

2023 IEEE President & CEO

www.srahman.org

Invited Talk

UTAR

23 October 2023

Kuala Lumpur, Malaysia

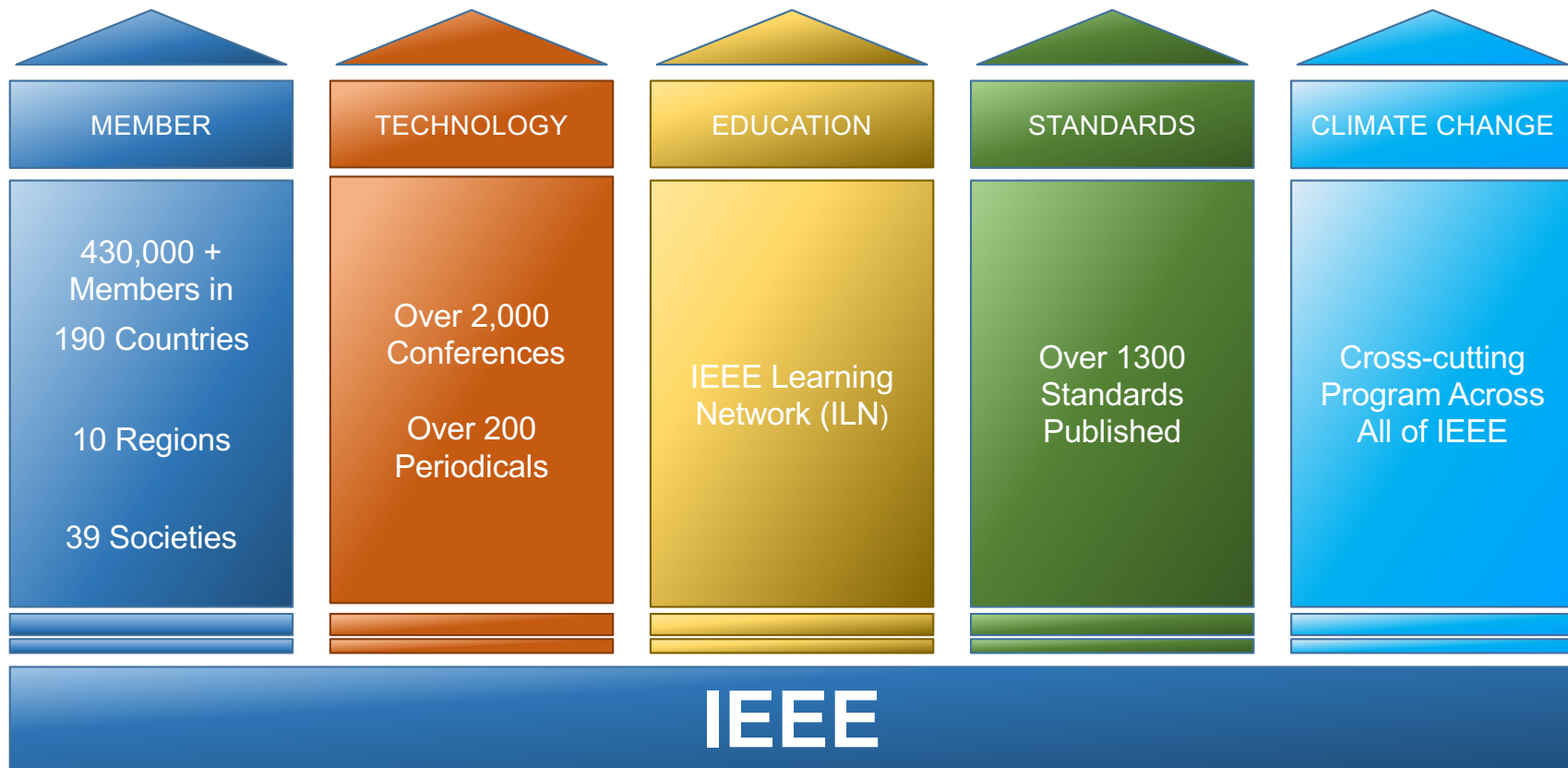




*IEEE 2023
Board of Directors
Retreat Focus*



Synergy among IEEE's areas of focus





*Advancing Technology
for Humanity*

How Are We Serving the Humanity ?

Clean-tech Solutions for Climate Sustainability



Advancing Technology for Humanity

Climate Change

IEEE: Enabling Innovation and Technology Solutions

<https://climate-change.ieee.org>



How are we getting organized?

Climate
Change

IEEE Enabling Innovation and Technology Solutions



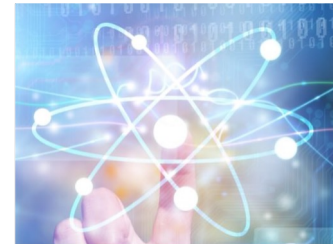
Advancing Technology for Humanity

Addressing Climate Change: Why Now

IEEE engages in various fora on the topic and is sought after for its technical content, thought leadership, and expert communities, including in such global stage events as:

- United Nations Framework Convention on Climate Change Conference of the Parties (COP)
- The International Renewable Energy Agency (IRENA)
- European Green Coalition and Sustainability Energy Week

IEEE has many publications and conferences addressing and incorporating climate change and sustainability.



Climate
Change

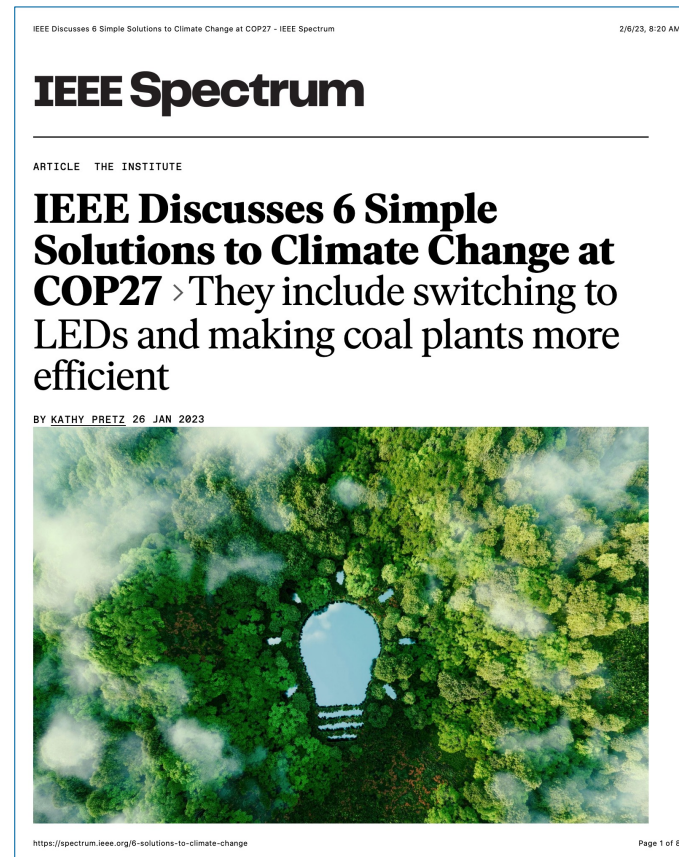
IEEE Enabling, Innovating, and Advancing Solutions

Advancing Technology for Humanity

SC2023
Enabling Leaders
TO BUILD A Sustainable Future



Source: IEEE Spectrum,
January 2023



IEEE's Presence at the UN Conference on Climate Change (COP27) Egypt, November 2022

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IEEE at UN Climate Change Conference



Global Alliance of Universities on Climate



Presentation at GAUC



Partnership with International Renewable Energy Agency (IRENA)

Founding Partners: Energy Transition Education Network



Speakers at the IRENA Panel at COP27

International Renewable Energy Agency



COP27 Event by IRENA

Energy Transition Education Network



IEEE/WFEO/EIC Participants at COP27



Energy Day 15 November 2022



IEEE at UN COP28 Dubai, December 2023



IEEE Climate Change Engagement Opportunities

Sections, Regions, Globally

The Climate Change Pavilion in the Sections Congress in Canada



IEEE Climate Change Program

<https://climate-change.ieee.org>



IEEE: Enabling Innovation and Technology Solutions

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[Climate Change in the News](#)

[Contact](#)



TECHNICAL
Solutions

BUILDING
Technical Community

CLIMATE CHANGE
Mitigation

email: ccircc@ieee.org



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RESOURCES FROM IEEE

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As the world's largest organization of technical professionals, IEEE has both the opportunity and the responsibility to assist in organizing the response of engineers, scientists, and technical professionals across the world to address the causes, mitigate the impact, and adapt to climate change.

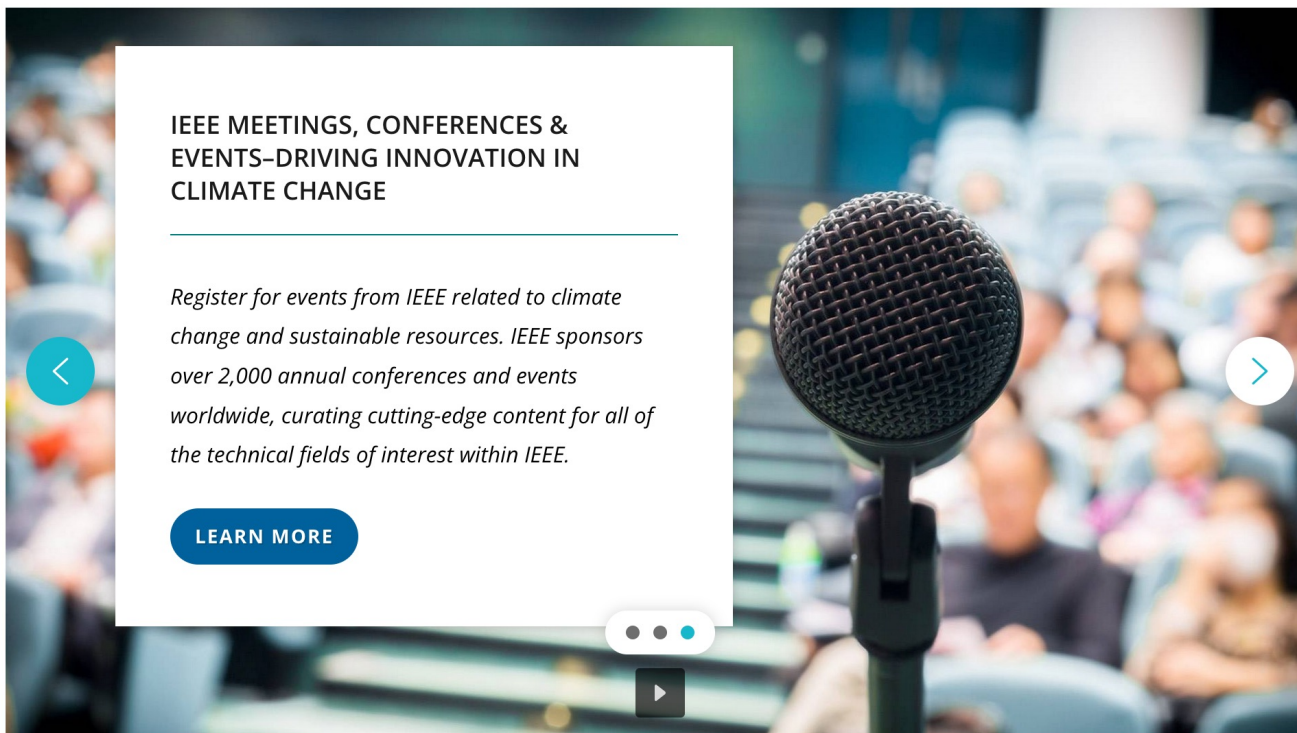
IEEE's scholarly publications, events, conference proceedings, technical standards, and other materials help foster the exchange of technical knowledge and information for the critical climate issues that our planet faces today.



View featured articles from the IEEE Xplore® Climate Change Collection



View featured IEEE conferences and events on Climate Change



IEEE MEETINGS, CONFERENCES & EVENTS—DRIVING INNOVATION IN CLIMATE CHANGE

Register for events from IEEE related to climate change and sustainable resources. IEEE sponsors over 2,000 annual conferences and events worldwide, curating cutting-edge content for all of the technical fields of interest within IEEE.

LEARN MORE

<https://climate-change.ieee.org>

IEEE Climate Change Newsletter



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Sign up today to receive newsletters related to climate change.

First Name: *

Last Name: *

Email Address: *



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Ecosystem for IEEE's Climate Sustainability Work

IEEE Spectrum: Climate Change News Feed; Podcasts; Features; Archives; Journal Watch Posts (Xplore); The Institute (Engineers of Climate Change); Coverage of Conferences and Standards

IEEE Discusses 6 Simple Solutions to Climate Change at COP27 They include switching to LEDs and making coal plants more efficient

Simple, effective solutions that can help lessen the impact of climate change already exist. Some of them still need to be implemented, though, while others need to be improved.

Social Media



Sponsored Content From Industry

Evolution of In-Vehicle Networks to Zonal Architecture

In this webinar, you will learn more about:

- Evolution of In-Vehicle Network architecture
- Automated Ethernet characteristics
- Compliance testing of Ethernet
- Practical demonstration

Xplore: Engineers to Follow; Journal Watch Articles (free); Climate Change Articles

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IEEE CLIMATE CHANGE SOLUTIONS

Climate Change

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MAKING A DIFFERENCE

TECHNICAL SOLUTIONS | BUILDING | CLIMATE CHANGE MITIGATION

IEEE's mission is to advance technology for the benefit of humanity. Today the world faces its largest modern-day threat—climate change. We recognize this global crisis and are committed to helping combat and mitigate the effects of climate change through pragmatic and accessible technical solutions and providing engineers and technologists with a neutral space for discussion and action.

COORDINATING IEEE'S RESPONSE TO CLIMATE CHANGE DEDICATED COMMITTEE

The 2022 IEEE Ad Hoc Committee to Coordinate IEEE's Response to Climate Change is identifying ongoing efforts across IEEE and collaborating with key external partners for a comprehensive response to climate change.

Jobs From IEEE Job Site

IEEE JOB Site

FEATURED JOBS

Conferences



Standards

IEEE SA

STANDARDS ASSOCIATION

Newsletters

IEEE Spectrum

Tech Alert

Here's How Appliance is Making Their Humane Robot is now the right time for useful, affordable, general-purpose humanoid?

At Giga To K Street: ChatGPT Turns Lobbyist - Automated influence campaigns could spell trouble for society.

IEEE Technology Center for Climate

IEEE TECHNOLOGY CENTER FOR CLIMATE

The Promise of Electrification

IEEE Technology Center for Climate

ITCC Pillars

IEEE Climate Change newsletter

Climate Change

August 2023 IEEE Climate Change News

Smart Cities Rely on Smart Infrastructure to Make People's Lives Better

Smart Cities help urban environments to develop and grow by using modern technology, including data-driven solutions, that provide a sustainable, resilient, equitable, and privacy-respecting community for its inhabitants.

Read More

<https://climate-change.ieee.org>

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2023 IEEE President and CEO Social Media Channels

There are four social media channels for the IEEE President:

<https://www.facebook.com/ieeepresident>



<https://www.instagram.com/ieeepresident/>



<https://www.linkedin.com/showcase/ieeepresident>



<https://twitter.com/ieeepresident>



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Thank you

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