



IEEE President's Address

Saifur Rahman, 2023 IEEE President & CEO

IEEE Region 8 Spring Meeting

Bucharest, Romania

25 March 2023

ieee.org



2023 IEEE Presidency Theme

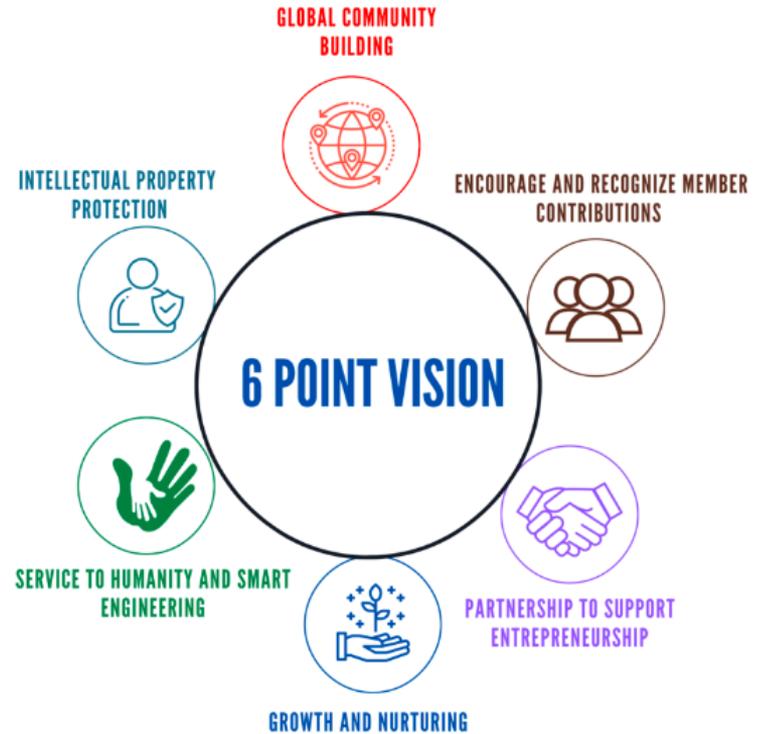
Focus for IEEE's Volunteer Leadership



Explore the professional needs and interests of working technologists and their interactions with civil society



Build interpersonal relationships, trust, and respect for a productive year working together as a team



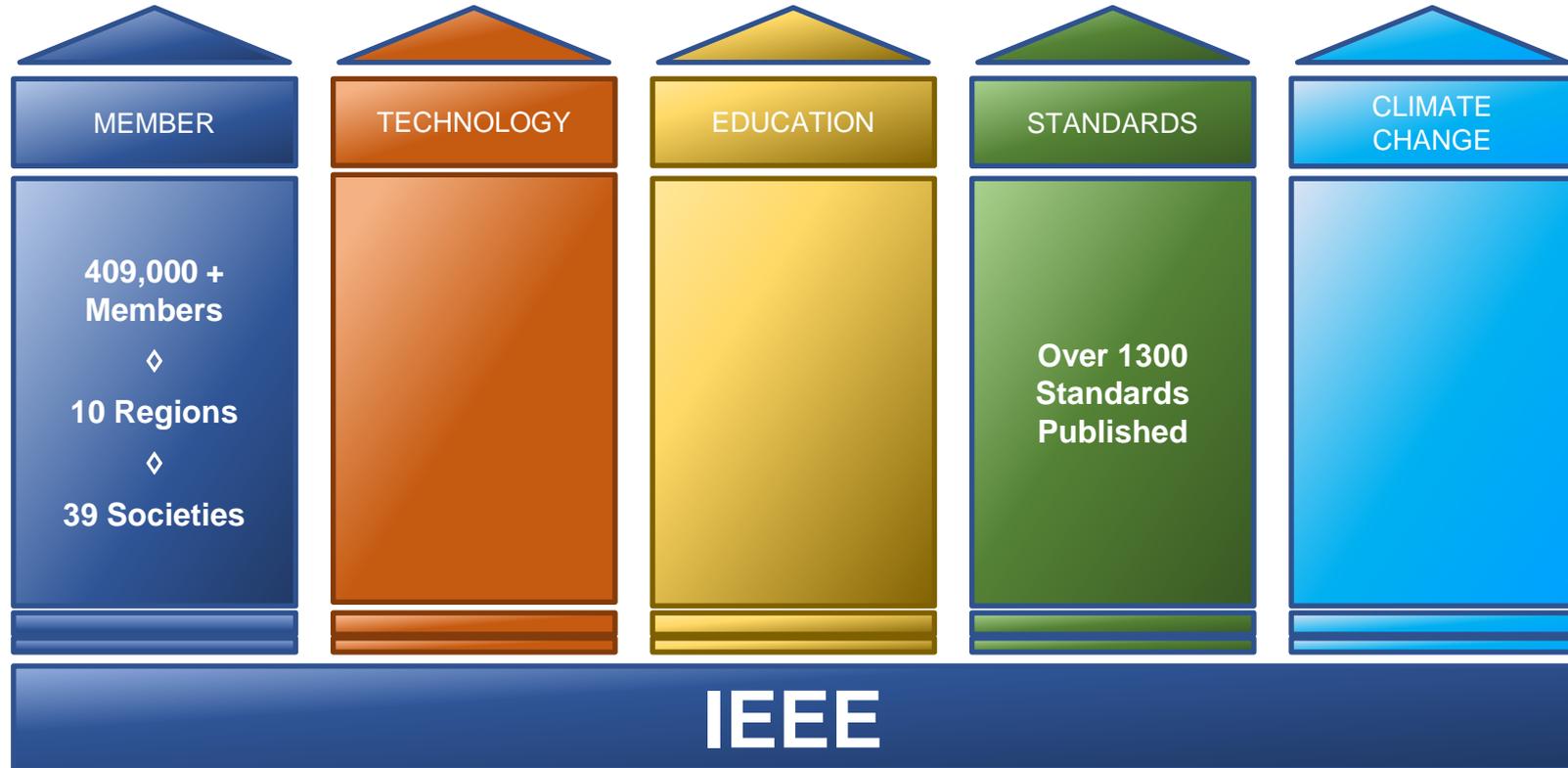
Civil society is used in the sense of the aggregate of non-governmental organizations and institutions that manifest interests and the will of society at large.



*IEEE 2023
Board of Directors
Retreat Focus*



Synergy among IEEE's areas of focus





MISSION



VISION



VALUES

2023 IEEE Ad Hoc Committees on:

- Coordinating IEEE's Response to **Climate Change**
- Coordinating IEEE's Response to Multimedia-Based **Digital Reality Technologies**
- Innovating **Funding Models**
- IEEE **President-Elect Campaign** Pilot Program

IEEE Ad Hoc Committee on Coordinating IEEE's Response to Climate Change

- Chair Tariq Durrani
- IEEE has both the opportunity and the responsibility to assist in organizing the response of engineers, scientists, and technical professionals to address the causes, mitigate the impact, and adapt to climate change





*Advancing Technology
for Humanity*

What Can We Do to Serve Humanity?

Clean Tech Solutions for Climate Sustainability

Climate Change

IEEE: Enabling Innovation and Technology Solutions

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

Climate
Change

IEEE: Enabling Innovation and Technology Solutions



IEEE at UN Climate Change Conference



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IEEE: Enabling Innovation and Technology Solutions



Partnership with International Renewable Energy Agency (IRENA)

Founding Partners: Energy Transition Education Network

ETEN Founding Partners

Convened by:  **IRENA**
International Renewable Energy Agency

PERMANENT MISSION OF THE UNITED ARAB EMIRATES INTERNATIONAL RENEWABLE ENERGY AGENCY (IRENA)  البعثة الدائمة الإمارات العربية المتحدة الوكالة الدولية للطاقة المتجددة (إيرينا)

Partners:  **unesco**

Teach For All
A Global Network

 **unicef** | for every child

 Higher Education Sustainability Initiative

HESI+10
Celebrating 10 years with Higher Education Sustainability Impact

 **IEEE**
Advancing Technology for Humanity

 ENERGY TRANSITION EDUCATION NETWORK



Climate Change

IEEE: Enabling Innovation and Technology Solutions

Speakers at the IRENA Panel at COP27



Climate
Change

International Renewable Energy Agency



COP27 Event by IRENA

Energy Transition Education Network



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The global engineering view: Delivering an equitable, sustainable and low carbon resilient world

November 10, 2022 / 11:30 – 13:00 am Egypt time (GMT + 2) / 10:30 – 12:00 CET (GMT + 1)



Davide Sironati
Chair, WFEO
Committee on
Engineering and the
Environment



Jianping Wu
Member, WFEO
Committee on
Engineering and the
Environment



Valentina Puhno
Member, WFEO
Committee on Disaster
Risk Management



Saifur Rahman
Virginia Tech
Advanced Research
Institute, 2022 IEEE
President-Elect



Tariq S Durrani
University of
Strathclyde, Life
Fellow of IEEE



Aitazaz Farooque
School of Climate
Change and
Adaptation

This is a Side Event organized by the World Federation of Engineering Organizations (WFEO) in collaboration with the Engineering Institute of Canada (EIC) and IEEE.

The speakers will cover the following topics:

- Exploring the engineering role in building climate resilience of cities and reducing risk for local communities,
- Understanding decarbonization through the lens of both industrialized and emerging economies, utilizing low carbon energy solutions,
- Showcasing the importance of women and future leaders.

The event will take place in the Akhenaten room.

The event is organized by:



Learn more about how IEEE is making a difference at ieeeclimatchange.org.

COP27 Side Event

In Collaboration with the
World Federation of
Engineering Organizations and
the Engineering Institute of Canada

IEEE/WFEO/EIC Participants at COP27



Energy Day 15 Nov 2022



Climate
Change

UN Climate Change Pavilion



IEEE can be a solution partner

<https://spectrum.ieee.org/6-solutions-to-climate-change>



IEEE Spectrum

ARTICLE THE INSTITUTE

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

BY KATHY PRETZ 26 JAN 2023



IEEE at UN Climate Change Conference (COP28) in UAE in Dec 2023



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- News

UN Climate Change Conference - United Arab E...



UN CLIMATE CHANGE CONFERENCE - UNITED ARAB EMIRATES NOV/DEC 2023



30 Nov - 12 Dec 2023

ABOUT THE CONFERENCE

Ongoing Climate Change Related Activities Across IEEE

Climate
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IEEE: Enabling Innovation and Technology Solutions



IEEE Climate Change Website

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

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Resources from IEEE Climate Change in the News Contact IEEE

MAKING A
DIFFERENCE

TECHNICAL Solutions

BUILDING Technical Community

CLIMATE CHANGE Mitigation



IEEE: Enabling Innovation and Technology Solutions

Email: ccircc@ieee.org



IEEE Climate Change Collection (ICCC)

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites

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Resources from IEEE | Climate Change in the News | Contact | IEEE

RESOURCES FROM IEEE

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, 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 the IEEE Climate Change Collection in IEEE Xplore®](#)



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Links to Spectrum



Spectrum just launched a curated page that links directly to articles in Xplore's Climate Change Collection

IEEE Climate Change Collection

IEEE's scholarly publications, 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 the collection on IEEE Xplore →](#)

PAPER | ENERGY
On the History and Future of 100% Renewable Energy Systems Research
28 JUL 2022 | 2 MIN READ | 0

PAPER | ENERGY
Robust Virtual Inertia Control of an Islanded Microgrid Considering High Penetration of Renewable Energy
14 NOV 2021 | 3 MIN READ | 0

PAPER | ENERGY
Comparative Review of Energy Storage Systems, Their Roles, and Impacts on Future Power Systems
27 OCT 2022 | 2 MIN READ | 0

PAPER | ENERGY
Towards Sustainable Energy: A Systematic Review of Renewable Energy Sources, Technologies, and Public Opinions
08 OCT 2022 | 3 MIN READ | 0



IEEE: Enabling Innovation and Technology Solutions

Visitors must visit two landing pages before before they can begin to hunt for material relevant to them. Experienced Xplore users will find what they need, but newbies might be frustrated.



The 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)



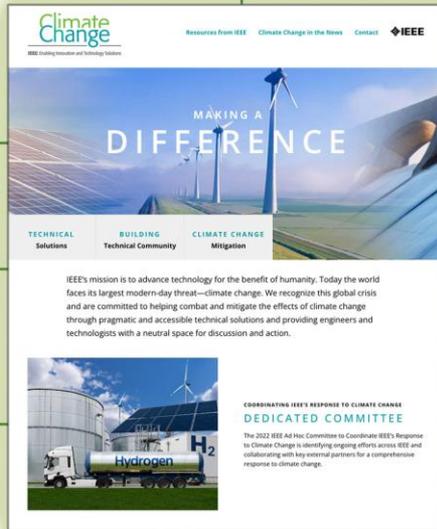
Social Media



Sponsored Content From Industry



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



Jobs From IEEE Job Site



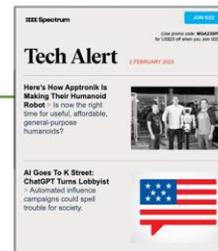
Conferences



Standards



Newsletters



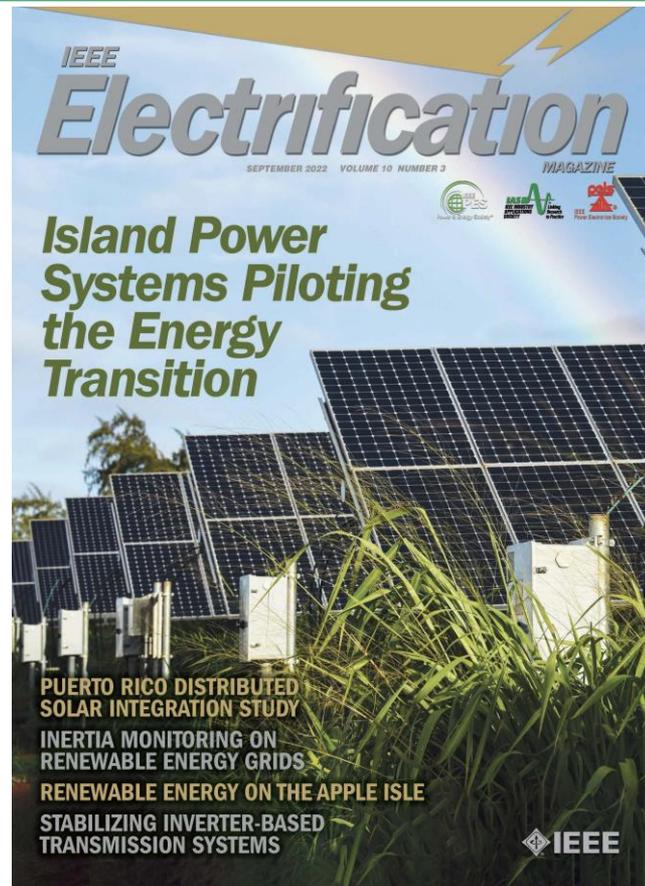
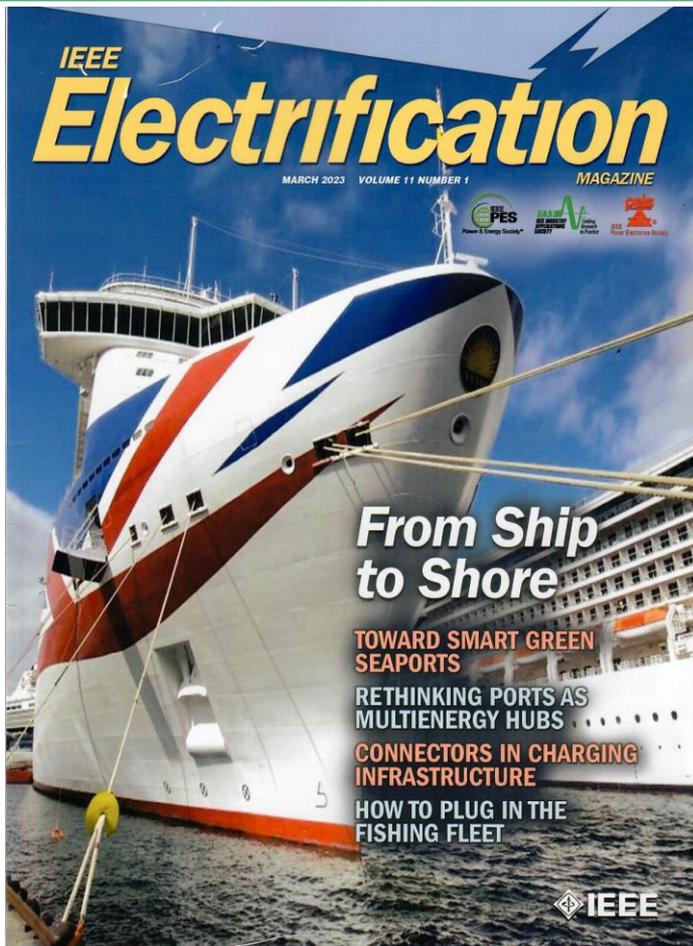
Climate Change

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Online Forum on Climate Change to Showcase Many IEEE Activities

- ▶ **IEEE Online Forum on Climate Change Technology** would be of interest to a great number of people both inside and outside IEEE
- ▶ Online conference will have the **largest contact to members and non-members**
- ▶ IEEE Online Forum on Climate Change Technology will **showcase the breadth of Technologies across all of IEEE**
- ▶ Interesting **talks, reviews, roadmaps, panels, and industry speakers** will be presented live, online, and available for on-demand viewing after the conference





Climate
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IEEE: Enabling Innovation and Technology Solutions

IEEE Publications Board has
started work on publishing a
journal like IEEE Access

IEEE Access[®]

Multidisciplinary : Rapid Review : Open Access Journal

Climate
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IEEE: Enabling Innovation and Technology Solutions



IEEE Sections Congress 2023

The triennial gathering of Section leadership bringing together hundreds of delegates from all ten Regions to network, learn and collectively shape the future of IEEE.

Registration Open

Early bird registration deadline: **21 July 2023**.
Registration fee increases by **US\$ 50** after that.

Date
11-13 August 2023

SC2023
Enabling Leaders
TO BUILD A Sustainable Future

Location
Ottawa, Canada

Climate Change Pavilion at SC2023

Climate
Change

Section and Chapter Leaders

Our dedicated volunteers supporting their local communities

- IEEE volunteers are technology experts in many areas
- Engage locally to remain relevant
- Be available to **provide technology policy support** at the local and national levels
- The European Public Policy Committee provides policy support in EU countries
- You may look into forming **technology policy support committees** at regional levels



**Our efforts can be
the seeds that will
help IEEE bloom into
a mature tree over
the next year and
beyond**



Thank you

Email: s.rahman@ieee.org

