



# IEEE President's Address

Saifur Rahman, 2023 IEEE President & CEO

IEEE Region 10 Annual General Meeting

Ho Chi Minh City, Vietnam

4 March 2023

[ieee.org](http://ieee.org)

 **IEEE**  
Advancing Technology  
for Humanity

# 2023 IEEE Presidency Theme

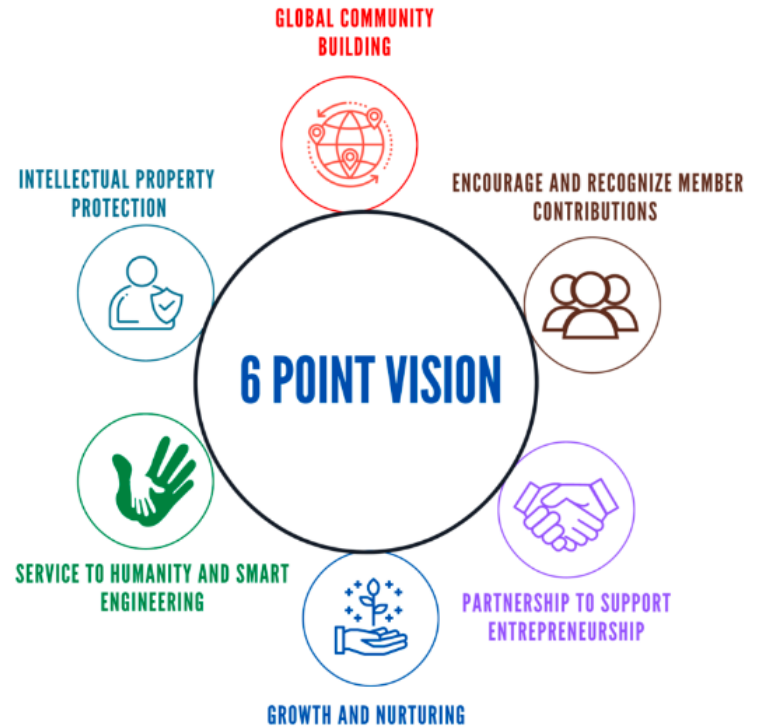
*Focus for IEEE's Volunteer Leadership*



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



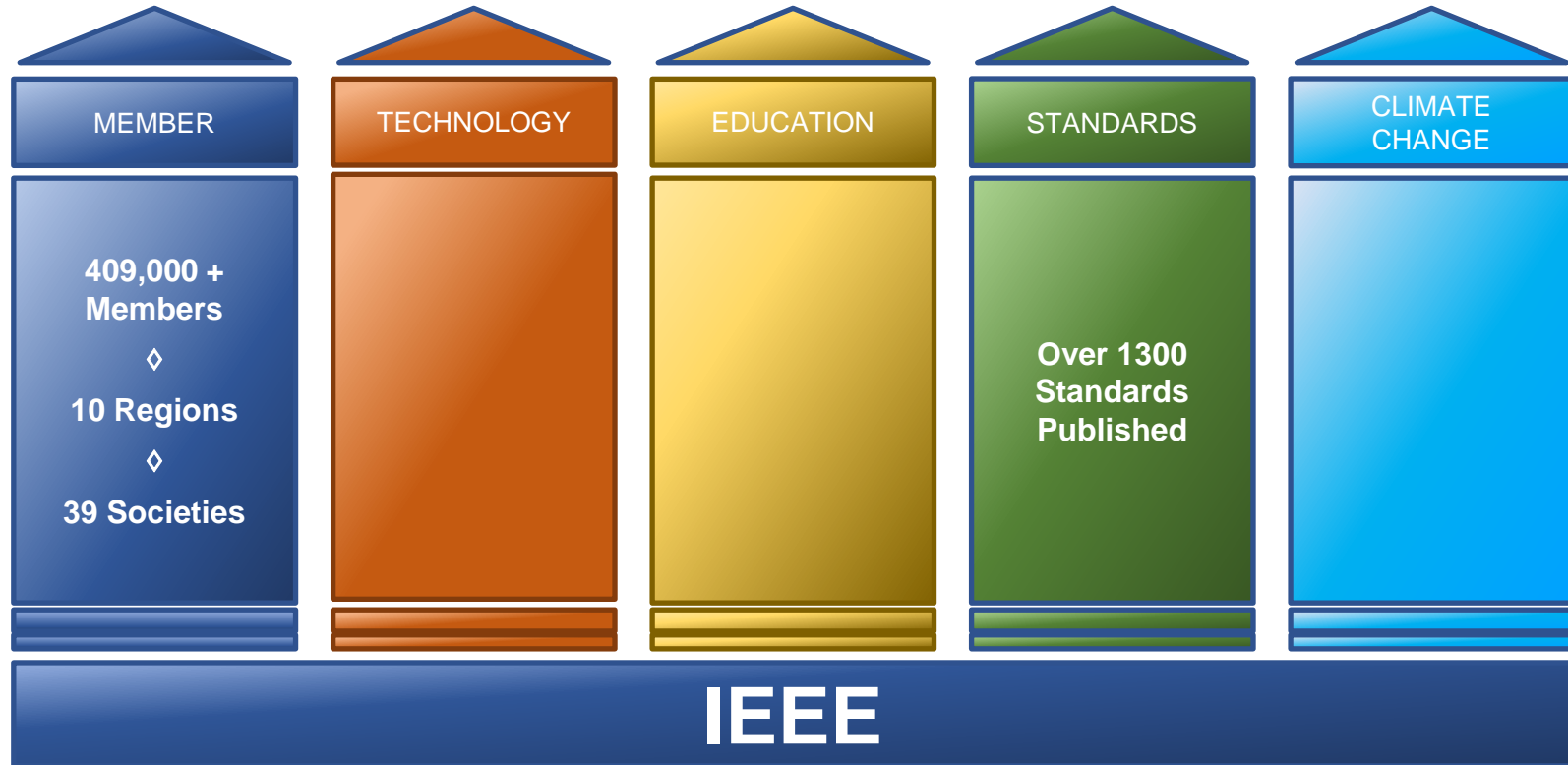
*Civil society is used in the sense of the aggregate of non-governmental organizations and institutions that manifest interests and the will of society at large.*



*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
- IEEE President-Elect Campaign Pilot Program
- Innovating Funding Models

# 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



# Climate Change

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**IEEE:** Enabling Innovation and Technology Solutions



*Advancing Technology  
for Humanity*

**What Can you Do to Serve Humanity?**

**Clean Tech Solutions for Climate Change.**



# IEEE at UN Climate Change Conference



Climate  
Change

IEEE: Enabling Innovation and Technology Solutions

[ieee.org](http://ieee.org)



# IEEE's Presence in COP27

Climate  
Change

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# Partnership with International Renewable Energy Agency (IRENA)

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**

 **IRENA at COP27**

Climate Change

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# Speakers at the IRENA Panel



International Renewable Energy Agency

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[iee.org](http://iee.org)

# COP27 Event by IRENA

*Energy Transition Education Network*



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



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United Nations  
Framework Convention on  
Climate Change

## COP27

### SHARM EL-SHEIKH EGYPT 2022

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 Stronati Chair, WFEO Committee on Engineering and the Environment	 Jianping Wu Member, WFEO Committee on Engineering and the Environment	 Valentina Putrino 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	 Alifaz Farooque School of Climate Change and Adaptation
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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:

 World Federation of Engineering Organizations Fédération Mondiale des Organisations d'Ingénieurs		
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Learn more about how IEEE is making a difference at [ieeeclimatechange.org](https://www.ieeeclimatechange.org).



# WFEO/EIC/IEEE Participants at COP27



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# Energy Day 15 Nov 2022



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# IEEE can be a solution partner

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

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## 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





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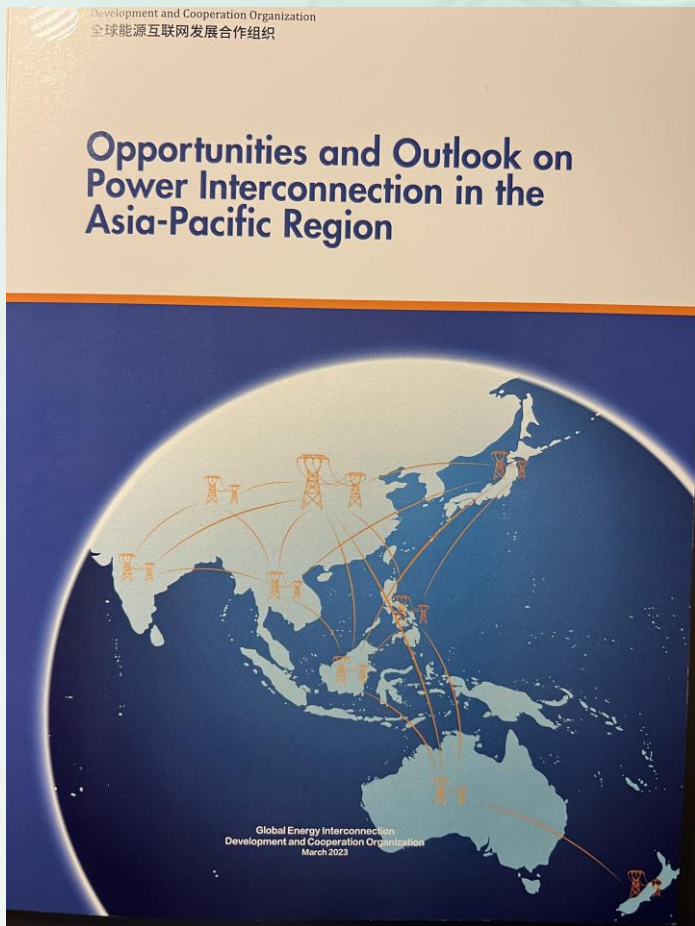


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Our section leaders can be empowered as solution providers to address **Climate Change**

Climate  
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# IEEE Climate Change Website

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



IEEE: Enabling Innovation and Technology Solutions

Email: [ccircc@ieee.org](mailto:ccircc@ieee.org)



# IEEE Climate Change Collection (ICCC)

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

Climate Change  
IEEE: Enabling Innovation and Technology Solutions

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®](#)

# 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  
Change

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[iee.org](http://iee.org)

# Links to Spectrum



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



IEEE: Enabling Innovation and Technology Solutions

### 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
- PAPER | ENERGY**  
**Robust Virtual Inertia Control of an Islanded Microgrid Considering High Penetration of Renewable Energy**  
14 NOV 2021 | 3 MIN READ
- PAPER | ENERGY**  
**Comparative Review of Energy Storage Systems, Their Roles, and Impacts on Future Power Systems**  
27 OCT 2022 | 2 MIN READ
- PAPER | ENERGY**  
**Towards Sustainable Energy: A Systematic Review of Renewable Energy Sources, Technologies, and Public Opinions**  
08 OCT 2022 | 3 MIN READ

IEEE Xplore® Browse My Settings Help Institutional Sign In

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Search within results [Search] Per Page: 25 Export Set Search Alerts Search History

Showing 1-25 of 7,685 results for IEEE Climate Change Collection ×

Conferences (6,379)  Journals (1,023)  Magazines (227)  Early Access Articles (56)

IEEE Climate Change Collection  
Climate Change Contributors  
Climate Change Impacts  
Alternative Energy Sources  
Prevention and Mitigation

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.

Showing 1-25 of 5,242 results for IEEE Climate Change Collection Impacts ×

Conferences (4,412)  Journals (873)  Magazines (132)  Early Access Articles (56)

Show:  All Results  Open Access Only

Year: Single Year Range (2015-2023)

Select All on Page Sort By: Relevance

- Determination of the impact of sea level rise to shoreline changes using GIS  
Khalid Nizam Abdul Maulud; Roshana Mar Ralar  
2015 International Conference on Space Science and Communication (ICSSSC)  
Year: 2015 | Conference Paper | Publisher: IEEE  
Cited by: Papers (4)  
Abstract HTML PDF
- The climate change for food and debris mitigation after typhoon Morakot 2009 in Taiwan  
Harold Yih-Chi Tan  
2016 IEEE 12th International Conference on e-Science (e-Science)  
Year: 2016 | Conference Paper | Publisher: IEEE

Showing 1-25 of 296 results for IEEE Climate Change Collection Impacts ×

Journals (287)  Early Access Articles (8)  Conferences (1)

Show:  All Results  Open Access Only

Year: Single Year Range (2015-2023)

Select All on Page Sort By: Relevance

- Spatial Variability of Relative Sea-Level Rise in Tianjin, China: Insight From InSAR, GPS, and Tide-Gauge Observations  
Wei Tang; Wei Zhan; Bowen Jin; Mahdi Molaigh; Yubin Xu  
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing  
Year: 2021 | Volume: 14 | Journal Article | Publisher: IEEE  
Cited by: Papers (8)  
Abstract HTML PDF
- Spatiotemporal Variations in Dianchi Lake's Surface Water Temperature From 2001 to 2017 Under the Influence of Climate Warming





# 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)

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

BY KATY PREZZI 28 JUN 2022 | 4 MIN READ

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

Bobin & Shreev williams  
Evolution of In-Vehicle Networks to Zonal Architecture

In this webinar, you will learn more about:

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

Register now

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

Advancing Technology for Humanity  
Views: 5,056,481

IEEE CLIMATE CHANGE

Wanda N. Yu, Davide Scaramuzza, and Ted (Fred) Wang

Climate Change  
IEEE Building Innovation and Technology Solutions

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

MAKING A DIFFERENCE

TECHNICAL Solutions | BUILDING Technical Community | 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

- Large Semiconductor Based... Engineering Manager
- Senior Research Scientist... Manager, High Power Engineering
- Senior Project Manager... Lead

## Conferences



## Standards



## Newsletters

IEEE Spectrum  
Tech Alert  
7 February 2022

Here's How Approxim is Making Their Humanoird Robot: Is now the right time for useful, affordable, general-purpose humanoid?

AI Goes To K Street: ChatGPT Turns Lobbyist: Automated influence campaigns could spell trouble for society.



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# 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



Location  
Ottawa, Canada

# Section and Chapter Leaders

*Our dedicated volunteers supporting their local communities*

- Need to be empowered to deliver programs locally
- Demonstrate the value of IEEE among their colleagues and students locally
- Raise their needs and expectations to the attention of the higher-level leadership of IEEE



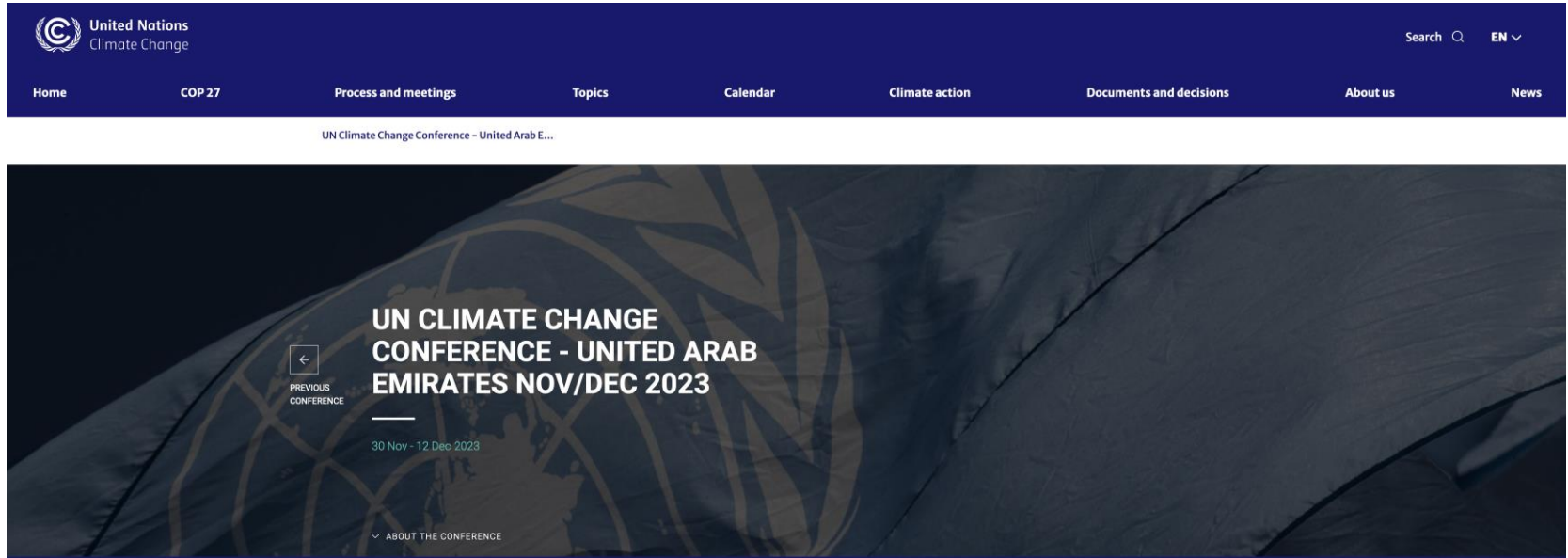
**Our efforts can be  
the seeds that will  
help IEEE bloom into  
a mature tree over  
the next year and  
beyond 2023**



**Thank you**



# IEEE at UN Climate Change Conference (COP28) in Dubai, UAE



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