

## IEEE Technical Community for Climate Change

An events and activities bulletin for members of  
the IEEE Climate Change Technical Community



Dear Participant,

We continue to appreciate your support of the [IEEE TA Climate Change Program](#) (TA-CCP) with this fourth edition of the IEEE Climate & Sustainable Technologies Engagement Bulletin. We are especially pleased this month to highlight a number of events in different worldwide locations, which is a reminder that addressing climate change and sustainability is a truly global mandate.

We are interested in continuing to learn about and share the many climate-change-related IEEE activities that you are hosting across the world. To help us do this, please continue to submit your efforts via the [IEEE Events & Activities Reporting Tool](#).

Sincerely,  
**Wei-Jen Lee**  
2023 Chair, IEEE TA Climate Change Program

### Upcoming Events - Virtual

#### 9 and 13 November 2023: Virtual - Non-Traditional Computing Paradigms with Emerging Technologies for Energy Efficiency Workshop

*Presented by the IEEE Solid-State Circuits Society*

This two-day virtual workshop brings together leading researchers in this field to present the latest advances and to discuss the challenges and opportunities that are ahead of us. As the power reduction through device scaling slows, exploratory materials, devices, and circuits are being examined to open new paths for achieving energy-efficiency especially as the demand for information storage and processing grows exponentially. This new-found freedom of breaking out of “CMOS scaling” introduces many new opportunities to do things completely differently—use a different material, invent a new device that operates on a different physical mechanism, and explore a new circuit function for computing that capitalizes on the unique properties of the new devices. Research in this area is truly multidisciplinary as it brings together the researchers who are focused toward the exploration of a new device and interconnect, or function for a more energy-efficient integrated circuit for computing. Computation based on the emerging devices is not limited to just digital information processing but also encompasses non-Boolean computation, including analog, neuromorphic computing, and novel concepts in computer automata

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#### 22 November 2023: Virtual - The IEEE Climate Change Technologies Community

*IEEE Climate Change Presents: Engineering-Driven Solutions for Inland & Coastal Flooding Series*

The strength of IEEE is to convene, curate and disseminate technical information, building communities in engineering and technology fields of interest to support members and participants. The broad range of technologies involved in measuring, understanding, adapting to and mitigating climate change requires spanning from the component to system level. IEEE is developing the tools and infrastructure to support researchers, practitioners, students and educators, media and public policy makers in the broad climate change technology space. John P. Verboncoeur, 2023 Vice President, IEEE Technical Activities, will describe the IEEE ecosystem in terms of products, services, and participants.

[Learn More](#)

### Upcoming Events - In Person

#### 27-28 November 2023: Oran, Algeria - IEEE Workshop on Electronics for Mitigating Climate Change (EmC2)

This workshop aims first and foremost to sensitize members of the IEEE research community on the current understanding of the societal implications of climate change. The thematic deep-dives will help the participants in thinking about how their own work – and the work of research and innovation actors – can be better attuned to respond to this most pressing issue of our times. Participants would leave the workshop better informed about climate change impacts and inspired on how their own work can contribute to reduce both climate change and its impacts. The workshop will bring together about 40 participants from across the globe (30 international participants and 10 local researchers), and be structured into four half-day thematic sessions, dedicated to the interplay between climate change on one hand, and, on the other, population migration, health, food security and poverty.

[Learn More](#)

### Upcoming Events - Hybrid

#### 7-8 December 2023: Holiday Inn Dubai Festival City, Dubai, UAE & Virtual: IEEE GreenTech, Sustainability, and Net Zero Policies & Practices Symposium

The IEEE GreenTech, Sustainability, and Net Zero Policies & Practices Symposium (IEEE GTSNZ) 2023 is designated for reporting recent advancements, practices, challenges, and opportunities in the areas of green technology, sustainability, and net zero emissions. The IEEE-GTSNZ Symposium fosters collaborative efforts and knowledge sharing between government, industry, academia, and the community. The Symposium provides insights into best practices and experiences to address the challenges and collective efforts towards a sustainable and net-zero future.

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### IEEE Climate Change Engagement Opportunities

- **Invite a Friend:** [IEEE Climate Change Technical Community](#)
- **Tell us** what is happening related to Climate Change Technologies in your IEEE Communities: [IEEE Events & Activities Related to Climate Change](#)

