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Hear from Leading Technologists in the IEEE Future Directions Podcast Series

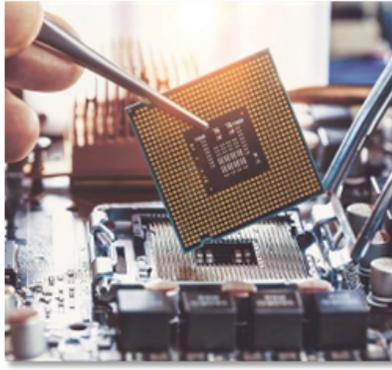


The **IEEE Future Directions Podcast Series** offers insight into the latest technological developments and innovations from top subject matter experts in the field, keeping audiences at the forefront of industry-leading advancements. In our latest podcast, part of IEEE Future Directions' corporate partnership with Microsoft, Nicholas McQuire, Director of Product Management, Strategic Incubations at Microsoft, shares his insight on how new and emergent technologies such as AI, quantum computing, and space are impacting cloud computing, opening up new opportunities for business innovations.

Additional recent episodes include a panel discussion on cloud sustainability where Ben Brauer, Senior Product Marketing Manager at Microsoft; Tobias Zimmergren, Senior Architecture Content Lead at Microsoft; and Catherine Crim, CEO, Tech For Good, discuss emerging issues and offer useful guidance and insight for enterprises looking to pursue sustainability as part of their business objectives.

In another featured episode, Kence Anderson, Microsoft's Director of Autonomous AI Adoption, delves into how machine teaching and autonomous AI can leverage human expertise to help upskill communities.

Be sure to follow the [IEEE Future Directions Podcast Series](#) to stay informed about our latest podcasts on a wide range of emerging technologies.



IEEE formed a new Ad Hoc to focus on supporting and advancing major semiconductor initiatives, including the CHIPS Act and other global programs. The Ad Hoc reports into the IEEE Future Directions Committee. Its chair is IEEE President-Elect Tom Coughlin and vice chair, Kathy Hayashi.

The goals of the Ad Hoc are to **inform** via a [web portal](#) on the latest information and events related to global semiconductor initiatives, **engage** by providing articles, speakers, and events to support related initiatives including standards, levels of initiatives (e.g., Federal and State), and workforce development (e.g., DE&I, Sustaining Women in Technology), and **support** by identifying those members who are active in ongoing activities. semiconductors.ieee.org

IEEE Future Directions Events

[IEEE Future Tech Forum: User Adoption of the Metaverse](#)

6 December, Virtual

[2024 IEEE World Forum on Public Safety Technology \(WF-PST\)](#)

14-15 May 2024 | Washington, D.C., USA

Activities in Our Current Technical Communities.



The [IEEE Digital Privacy Model](#) is now available in multiple languages. Download this model to rethink privacy from an individual's perspective. Also, listen to this new [podcast](#) from Sreedhar Rao, a key architect of the IEEE Digital Privacy Model, as he shares his insights on the development and use of the model.

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The 5G/6G Innovation Testbed is officially in Beta phase, and we are onboarding organizations that would like early access and are willing to provide feedback. We are also partnering with other testing groups that want to connect their physical test facility to our digital hub. Learn more at our website, where you can reach out if you want to connect!

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IEEE LEO SatS recently held its Fall 2023 Workshop on [Ground Station Technologies](#). The on-demand version will be available soon, and look for more exciting projects in 2024. Interested in the many ways space & computer technologies for low-orbits will contribute to solve humanity's grand challenges? Join the volunteer team!

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Join us in the virtual world as we host a roundtable discussion on “[User Adoption of the Metaverse](#)” on 6 December, moderated by Tom Coughlin, 2024 IEEE President. Registration is open and virtual room participation is limited. Create your avatar and experience the immersive environment.

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Submission opportunities are available for the 2024 IEEE World Forum on Public Safety Technology (WF-PST) - deadlines are approaching! We seek provocative ideas that challenge existing approaches to Public Safety technologies and applications. View all [submission details](#).

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The [IEEE Quantum Week Conference \(QCE23\)](#) came to a highly successful closure. With a keynote by Krysta Svore, Microsoft—Distinguished Engineer and VP of Advanced Quantum Development, and many other notable speakers, QCE23 had 153 technical papers, workshops, tutorials, posters, a career fair, a “meet the customer event”, and a student industry mentorship program. Please plan ahead for QCE24, 15-20 September in Montreal, Canada.

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The 2023 [Let's Make Light Competition](#) is over and winners have been notified. Look for more announcements in the near future regarding the winning project and plans for the second leg of this innovative contest in 2024. This fascinating Future Directions project aims to bring sustainable light to remote areas of the globe. Interested in helping solve such critical humanitarian challenges? Join our volunteer team! The Smart Lighting Initiative is growing and has exciting plans not only for this contest but also for developing demonstration activities related to smart lighting around the world.

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The October in-person workshop on [Ocean Carbon Removal Technologies](#) took place with such a sense of urgency and purpose that the United Nations issued an endorsement! Now, working groups are being formed to pursue the Initiative's mission of identifying technology gaps and mapping needed progress. It is not too late to join our teams for this or any of our exciting projects to be tackled in 2024. Interested in low-C footprint building materials? Mitigating climate change effects in the Arctic? Transforming our energy systems? Our working groups of top experts are focused on restoring a bright future for Humanity through technology solutions.

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[The Future of Telepresence Workshop at IEEE SMC 2023](#) was held on 2-3 October in Honolulu, Hawaii. The workshop included paper presentations and roadmapping sessions for inputs to an initial white paper. The sessions included graphical facilitation by Peter Durand of Alphachimp.

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In 2024, the WPT Initiative will continue to bring together two major wireless power events ([IEEE MTT-S Wireless Power Transfer Conference \(WPTC\)](#) and [IEEE Global Student Wireless Competition](#)) while developing a portfolio of new activities, from the launch of a new Journal to worldwide collaboration on new industry standards.

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Discover Activities in Our Graduated Technical Communities



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Open Call for Proposals

The IEEE Future Directions Committee (FDC) seeks to identify, develop, and promote projects that are value-added for IEEE and its members, bringing together multiple Societies and Councils to provide broad and deep perspectives on a particular topic, application, or technology. These projects range from short-term activities to reach a specific goal to Future Directions Initiatives seeking longer-term cross-collaborative engagement among industry, academia, and government striving to develop and deploy various future technologies. You are welcome to submit new ideas via [this form](#). For inquiries, contact IEEE Future Directions at ieee-fd@ieee.org.

Subscribe to this Newsletter

Participants of current and graduated IEEE Future Directions technical communities receive this newsletter automatically. If you did not receive a copy of this newsletter directly, or you would like to learn more about a particular initiative, you can subscribe by [joining an initiative](#).

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