IEEE Future Directions

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Feature Article - Microsoft

Join Microsoft's Dr. Krysta Svore, Distinguished Engineer and VP of Advanced Quantum Development, at the upcoming IEEE Quantum Week to learn how the integration of HPC, AI, and Quantum in the cloud will help scientists solve society's most pressing challenges like reversing climate change and addressing food insecurity. Dr. Svore will discuss recent advances toward a Quantum Supercomputer and how to measure its performance. She will show how Azure Quantum Elements is bringing together advanced AI and HPC, and ultimately quantum supercomputing to unlock transformative solutions while how with natural language and chemistry, we can usher in a new era of scientific discovery. Join us on Thursday, 21 September 2023 from 8:00-09:30 PT (UTC-7) to learn how we can begin accelerating scientific discovery, together.

This is the latest example of the collaboration between Microsoft and IEEE Future Directions.

For more information and to register, visit: 4th IEEE International Conference on Quantum Computing and Engineering (QCE23).

IEEE Future Directions Events

[**4th IEEE International Conference on Quantum Computing and Engineering (QCE23)**](#)
September 2023, Bellevue, Washington, USA

[**Future of Telepresence Workshop**](#)
1-4 October, Maui, Hawaii, USA

[**IEEE Online Forum on Climate Change Technologies**](#)
23-26 October, Virtual

[**Workshop on Current Trends and Emerging Technologies in Public Safety and Security**](#)
17-15 November, Baltimore, Maryland, USA

[**2024 IEEE World Forum on Public Safety Technology (WF-PST)**](#)
14-17 May 2024 | Herndon, Virginia, USA

Activities in Our Current Technical Communities.

The [IEEE Digital Privacy Model](#) is a visual representation that covers the broad and dynamic aspects of digital privacy with attention to individuals and their expectation of privacy. Download the model today!

Visit Web Portal

The [Calls for Papers, Tutorials, Workshops, and Posters](#) are now posted on the 2024 IEEE World Forum on Public Safety Technology (WF-PST) [website](#). Submit your proposal today!

Visit Web Portal

Planning is underway for IEEE Quantum Week 2023 from 17-22 September in Bellevue, Washington. Attend in-person for the full conference experience!

Visit Web Portal

The recordings are now available for the Space Edge Computing and Onboard AI webinar at the LEO SatS 2023 Spring Workshop. A new webinar on Ground Stations is coming this Fall.

Visit Web Portal

The recording for the recent Jul 12 Webinar on "Industrial Metaverse" is now available. Check out the new initiative website and stay connected with the upcoming activities.

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The Let's Make Light Contest is now open for content submissions. The Initiative invites inventors and entrepreneurs to design and deploy affordable, sustainable light sources.

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IEEE Telepresence has put together a list of resources for learning more about the topic of telepresence and telepresence technologies.

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The Student Competition Design Report is now available from last month's Wireless Power Transfer Conference. Future conferences are being planned in Asia (Tokyo 2024) and Europe (propose a location for 2025).

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CLIMATE Technologies

Following its first in-person workshop at the PES General Meeting, a virtual session on Low-C Emissions Energy Technologies was held. Join us for two more in-person workshops in 2023, including Anchorage, Alaska on 9 September.

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IEEE 5G/6G InnovationTestbed

The testbed passed Phase 2 of its 4-phase development roadmap, enabling video and voice call emulation, core network testing, and more. Come ask about this new program at Sections Congress!

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Discover Activities in Our Graduated Technical Communities

IEEE DigitalReality

IEEE Smart Cities

IEEE BLOCKCHAIN™

IEEE rebooting COMPUTING

IEEE brain

IEEE
TRANSPORTATION
ELECTRIFICATION
COMMUNITY

IEEE
SUSTAINABLEICT™

IEEE
Internet of Things

IEEE
SMARTGRID

IEEE
Future
NETWORKS™

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.

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