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2024 Technology Megatrends Report

Discover the future with the 2024 Technology Megatrends! This comprehensive analysis dives deep into the top three transformative trends: Artificial General Intelligence (AGI), Digital Transformation, and Sustainability. Explore their profound impact on humanity, technological advancement, maturity, adoption timelines, and real-world market deployment. Don’t miss out on these crucial insights.

Access The Full Report Here

SXSW 2025 - Call to Action: Vote for IEEE Panel Proposals!

For SXSW 2025, IEEE submitted seven panel proposals covering topics across initiatives including AI, Metaverse, Public Safety Technology, Digital Privacy, SusTech, and more, for consideration to be included in the conference.

Be a part of the selection process by voting for your favorite submissions!
To vote, sign up on PanelPicker®, the official SXSW user-generated session proposal platform. This easy, two-step online process gives the SXSW community a voice in what sessions are programmed at SXSW. You may vote for any or all IEEE proposals. Your votes will make an impact - 30% of the scoring is from the community voting.

Don’t wait! The public voting opens Tuesday, 6 August, and concludes Sunday, 18 August at 11:59 pm PT.

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**IEEE Technology Policy and Ethics**

IEEE Future Directions considers the reflection of technology through the lens of social implications a key tenet of our work as we incubate and promote technologies. We are currently seeking submissions of original content, articles of 800-1200 words on the social implications of technology, including but not limited to policy and ethics topics. If interested, please email FDPolicyEthics@ieee.org. Learn more about submitting an article through the [author guidelines](#).

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**IEEE Future Directions Events**

- **IEEE Digital Privacy Workshop**
  7 October, Pittsburgh, Pennsylvania, USA

- **IEEE International Symposium on Emerging Metaverse (ISEMV)**
  21 October 2024, Bellevue, Washington, USA

- **The 2024 IEEE Conference on Telepresence**
  16-17 November 2024, Pasadena, California, USA

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**Activities in Our Current Technical Communities.**

The **IEEE Digital Privacy Workshop 2024** is soliciting submissions for 15-minute original talks on digital privacy for the Emerging Ideas-Research session. The submission deadline is 23 August 2024. The workshop will be co-located with the IEEE Secure Development Conference (IEEE SecDev 2024) in Pittsburgh, PA.
The 5G/6G Innovation Testbed is officially launched and in the Beta phase. Accounts are created at the institutional level, and several companies and universities are currently in a free trial period. If your organization is interested in starting a free trial, visit our website and fill out the form to schedule a call!

IEEE LEO SatS Spring 2024 Workshop held on 2 May 2, 2024, discussed LEO SatS and Space Environment. On-demand recordings are available on the workshop web page.

Are you ready to revolutionize semiconductor education? Show us your ability to create a cleanroom environment in an immersive environment. Winners will receive travel funds to attend the first IEEE International Symposium on Emerging Metaverse (ISEMV) in Bellevue, Washington, on 21 October 2024, co-located with the IEEE International Symposium on Mixed and Augmented Reality (IEEE ISMAR 2024). Please register your team by 1 August and submit your project by 21 August.
The inaugural 2024 IEEE World Forum on Public Safety Technology (WF-PST), held on 14-15 May in Washington D.C. addressed important current and future needs in public safety technology. The jam-packed program included leading keynotes, panel sessions, technical papers, posters, the IEEE MOVE truck, and more. News for the 2025 WF-PST will be published soon - sign up for alerts to stay ahead with the latest updates!

Visit Web Portal

The 2024 Let's Make Light contest has been launched and is accepting entries! Check out the new competition web page for a remarkable introduction video and more details about the vision of this one-of-a-kind humanitarian endeavor. Furthermore, the Initiative held a popular workshop titled “Illuminating the Future: Smart Lighting and Prognostics Health Management (PHM)” at IEEE ICPHM 2024 (Spokane Washington, June 17-19). And preparations are underway for the 2024 Sustainable Smart Lighting World Conference, which will be held November 11-14 in Eindhoven, The Netherlands. The Smart Lighting Initiative is a technical sponsor of this renowned event.

Visit Web Portal
The new SusTech Initiative web page now contains free access to some of the Initiative’s recent workshops’ video recordings and presentation charts. Take advantage of this amazing opportunity to see what we’ve been up to, and how you can contribute to developing technologies that will help mitigate challenging sustainability issues, including the pressing problem of climate change. Join our email list, our new Industry Connections groups, or simply let us know your interest in any of the topics we have recently explored or are working on. A new panel discussion event is being planned at the upcoming 2024 OCEANS conference to be held in Halifax NS this upcoming September.

IEEE Telepresence will hold the first in-person conference focused on Telepresence this November. See the conference site for more information on the 2024 IEEE Telepresence Conference.
The WPT Initiative was an active participant in the recently held WPTCE conference and its popular IEEE Global Student Wireless Competition held in Kyoto, Japan, on May 8-11. Plans for the 2025 edition of the WPTCE conference are well underway in Rome, Italy. The Initiative also held multiple events at Future Directions Day last June at IMS 2024, and a popular training happening as of this writing at the 2024 APS-URSI symposium in Florence, Italy. It is continuing its preparations for the launch of a new Journal, and working on worldwide collaboration for new industry standards. Too many events to mention, visit wirelesspower.ieee.org for more details and very informative content about the field and technologies of wireless power.
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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