IEEE Future Directions

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In this Issue:

Feature Article - Spotlight on Women in Engineering (WIE)

Join a global network of go-getters, budding changemakers, and thought-leaders in the field of STEAM.

Be a part of the Women in STEAM momentum by joining IEEE WIE, a global network of IEEE members and volunteers dedicated to promoting women in the disciplines of science, technology, engineering, arts, and math.

Volunteer your time and talent to support and advance other women.

Visit the IEEE WIE website for more information.

Upcoming Events:

- IEEE WIE Forum USA East | Pittsburgh, PA | 26-28 October, 2023
- IEEE WIE International Leadership Summit | Detroit, MI | 27 October, 2023

Interested in joining one of these exciting new initiatives? Visit the IEEE Future Directions website to learn more and sign up today.

Activities in Our Current Technical Communities.

In collaboration with IEEE Educational Activities, we are happy to announce our first course on Digital Privacy. Explore the Digital Privacy: Principles, Regulations, and Ethics course to learn about concepts and common misconceptions surrounding privacy. The course will focus on common privacy principles, key drivers of digital privacy around the world, and ethical foundations of privacy to help practitioners make sound decisions in complex situations. Visit the IEEE Digital Privacy Initiative website for the latest podcasts and perspectives from the global community.

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The PST Communications/Networking Committee along with the Cybersecurity/Privacy Committee are hosting a Workshop on Current Trends and Emerging Technologies in Public Safety and Security at the 2023 Future Networks World Forum from 13-15 November in Baltimore, MD. Planning is in process for the 2024 IEEE World Forum on Public Safety Technology (WF-PST) conference, which is set for 14-17 May 2024 in Washington, DC. The event will bring together industry-leading professionals from research/academia, government, and industry to engage on how technology is benefiting public safety stakeholders. The Call for Papers and Proposals will be posted on the event website shortly.

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Planning is well underway for the 2023 [IEEE International Conference on Quantum Computing and Engineering (QCE)](#) which takes place 17-22 September in Bellevue, Washington. It's not too late to submit your proposals for a tutorial, workshop, or technical paper. Also known as Quantum Week, it bridges the gap between the science of quantum computing and the development of an industry surrounding it. As such, this event brings a perspective to the quantum industry different from academic or business conferences. IEEE Quantum Week is a multidisciplinary quantum computing and engineering venue that gives attendees the unique opportunity to discuss challenges and opportunities with quantum researchers, scientists, engineers, entrepreneurs, developers, students, practitioners, educators, programmers, and newcomers.

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New technologies, applications, and markets are driving a rapid evolution of the space sector, with new players and commercial interests emerging every day. IEEE Future Directions' LEO SatS Initiative coordinates the consolidation and expansion of the existing distributed LEO Satellites and Systems' technical and educational activities. In continuing its strong educational mission, the team is actively planning a new set of webinars to be delivered throughout 2023. Visit the LEO Satellites & Systems website to learn more information about this unique initiative.

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As a new initiative for 2023, this effort will explore the various aspects and technological challenges as well as ethical concerns to evolve toward the Metaverse. The merging of the physical and cyberspace will provide a new user experience and opportunities for new applications and will require advances in a combination of technologies such as virtual reality, augmented reality, 3D modeling and animation, artificial intelligence, distributed computing, and brain-machine interfaces. Visit the IEEE Metaverse website to learn more about this initiative and its activities.

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This unique initiative aims to build a worldwide community of volunteers passionate about advancing knowledge in Smart Lighting Systems (SL), serving to better Humanity. A humanitarian contest supporting the end of light poverty in remote areas of the globe is being actively developed, as a pillar of their mission. The initiative's flagship conference program is growing and still accepting paper submissions, as well as virtual presentations. Visit the IEEE Sustainable Smart Lighting World Conference & Expo (LS:18) website for more information.

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We are excited to announce the Future of Telepresence Workshop to be held 1-4 October at IEEE SMC 2023 in Maui, Hawaii. The Telepresence workshop will bring together researchers in all aspects of telepresence, from hardware and enabling technologies to applications and understanding adoption. The workshop will include talks, panels, and presentations of peer reviewed papers submitted and accepted as part of the Workshop Special Session. Deadline for full paper submissions is 15 April 2023.

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Future Directions is excited to support the launch of this new initiative for 2023. Formerly called "Wireless Power Transfer", this initiative covers the interdisciplinary field of wirelessly supplying energy to electrical devices and systems. It has already recruited a strong group of researchers and industry professionals from around the world who aim to establish a broad portfolio of educational materials, standards, and global forums to tackle technological challenges. Learn more about this new initiative on the all-new Wireless Power Technologies website.

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IEEE Future Directions Events

IEEE Sustainable Smart Lighting World Conference & Expo (LS:18)
8-10 June 2023 | Mumbai, India

4th IEEE International Conference on Quantum Computing and Engineering (QCE23)
17-23 September 2023 | Bellevue, Washington, USA

Future of Telepresence Workshop
1-4 October 2023 | Maui, Hawaii, USA

Discover Activities in Our Graduated Technical Communities

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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