



EXPANSION AND OUTREACH

Vienna, Austria

IEEE continued to strengthen publishing programs to further its goal of becoming the go-to resource for information and services that technical professionals consider essential to succeed in their own careers. In 2015, we expanded and improved existing products and launched new programs and initiatives to increase the global reach of IEEE.

Historical Gems Move to New Home

Where can you find a 1902 document bearing the signatures of Alexander Graham Bell, Guglielmo Marconi, and Charles Steinmetz? Or a firsthand history of Pong, the first video game, and the early days of Atari? Or a memoir describing development of the first video recorder? These are just some of the historical gems curated by the IEEE History Center, which in 2015 found a new online home. Thanks to a grant from the United Engineering Foundation, the IEEE History Center was able to partner with six other engineering societies to expand the IEEE Global History Network and launch the Engineering and Technology History Wiki at ETHW.org.

The Following Journals Debuted in 2015

- **IEEE Journal on Exploratory Solid-State Computational Devices and Circuits** – features multi-disciplinary research in solid-state materials and circuits.
- **IEEE Journal on Multiscale and Multiphysics Computational Techniques** – publishes papers related to a broad range of electromagnetic engineering problems that rely on theoretical developments and computational techniques.
- **IEEE Nanotechnology Express Journal** – focuses on nanoscale materials, devices, systems, and applications, and on their underlying science. It is an interdisciplinary archival journal that covers all areas of nanotechnology.
- **IEEE Transactions on Cognitive Communications and Networking** – contains manuscripts that advance state-of-the-art of cognitive communications and networking research.
- **IEEE Transactions on Computational Imaging** – covers all areas of computational imaging from fundamental theoretical methods to the latest innovative computational imaging system designs.
- **IEEE Transactions on Molecular, Biological, and Multi-Scale Communications** – is devoted to the principles, design, and analysis of communication systems that use physics beyond classical electromagnetism.
- **IEEE Transactions on Multi-Scale Computing Systems** – is a publication devoted to computing systems that exploit multi-scale and multi-functionality.
- **IEEE Transactions on Signal and Information Processing over Networks** – publishes papers that extend the classical notions of processing of signals defined over vector spaces (e.g. time and space).
- **IEEE Transactions on Transportation Electrification** – is focused on components, systems, standards, and grid interface technologies related to power and energy conversion, propulsion, and actuation for electrified vehicles.



Motion-Imaging Standards and Articles Come to IEEE *Xplore* Digital Library

IEEE and the Society of Motion Picture and Television Engineers (SMPTE), a leader in motion-imaging standards and education for the communications, media, entertainment, and technology industries, in 2015 incorporated the SMPTE Digital Library into the IEEE *Xplore* Digital Library. The SMPTE Digital Library includes more than 800 standards documents dating back to 1916, the peer-reviewed *SMPTE Motion Imaging Journal*, and proceedings from SMPTE conferences—more than 20,000 documents in total. The partnership with SMPTE aligns with the ongoing IEEE goal of enriching IEEE *Xplore* with high-quality, cutting-edge content that empowers engineers.

Open Access Continues to Grow

IEEE Access built on its impressive growth in 2015, with 300 articles published on IEEE *Xplore* since the journal launched in May 2013. The number of *IEEE Access* articles published in 2015 increased by 77% compared to 2014. Approximately 17% of *IEEE Access* articles now

include multimedia content. There were approximately 30,000 downloads of *IEEE Access* articles per month in 2015 from IEEE *Xplore*, an increase of 79% over the publication's monthly downloads in 2014. *IEEE Access* is currently indexed by Scopus and Compendex and is listed in the Directory of Open Access Journals.

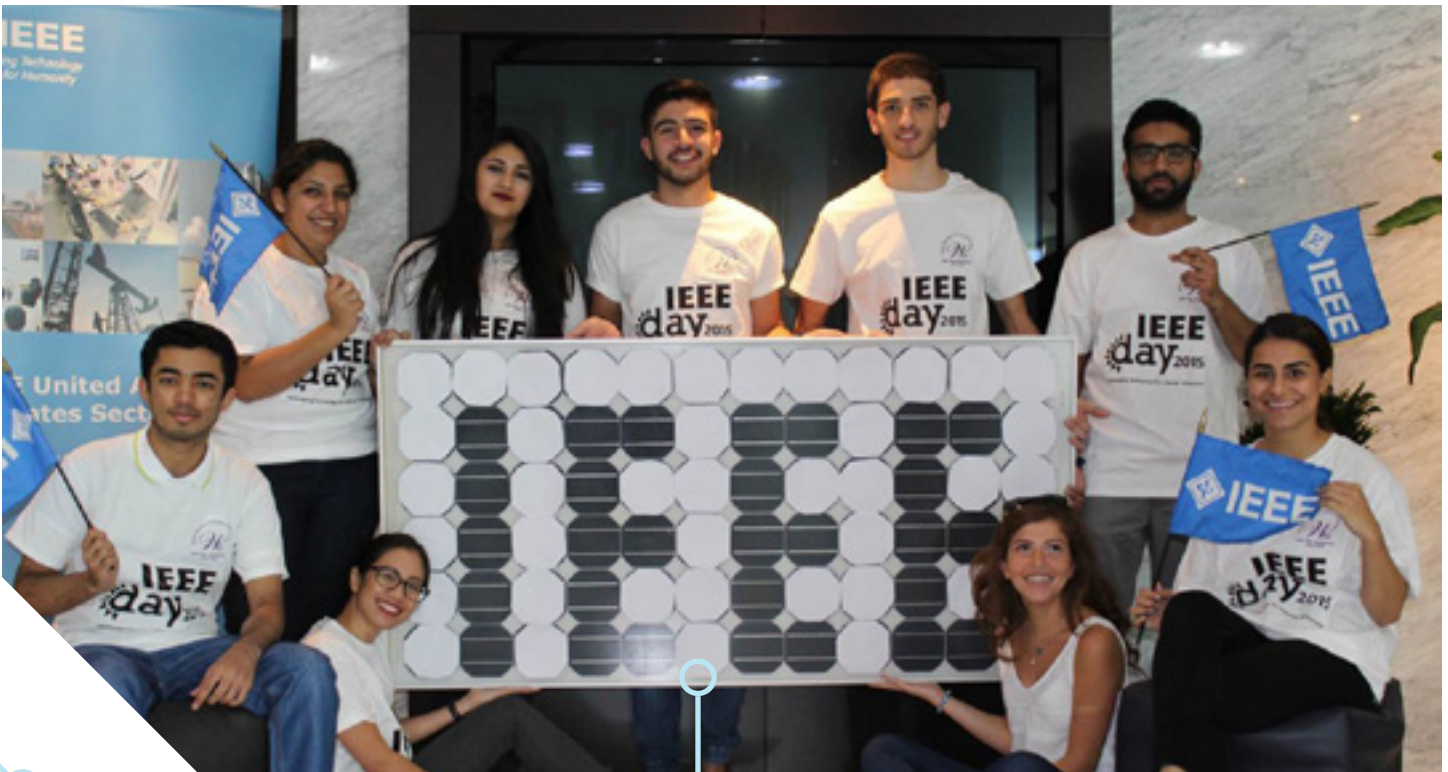


Photo of participants in IEEE Day event

IEEE Technology and Engineering Management Society Launches

The Engineering Management Society was founded in 1951 and became the Technology Management Council in 2007. In 2015 it transitioned to the IEEE Technology and Engineering Management Society (TEMS). TEMS seeks to advance, enhance, and improve essential management, leadership knowledge, and skills of IEEE members. Its mission is to help IEEE members maintain essential engineering management skills, support the leadership career path of IEEE members, and foster active knowledge transfer between the academic and practicing communities.

IEEE Day Celebrates Sixth Anniversary

The sixth annual IEEE Day took place 6 October 2015. The theme of IEEE Day was “Leveraging Technology for a Better Tomorrow” and worldwide celebrations demonstrated the many ways that IEEE members in local communities join together to collaborate on ideas that use technology to make the world a better place. IEEE members held 657 events worldwide to mark the occasion. Among the activities organized in collaboration with the IEEE Foundation were a day of free admission for IEEE members to the Intrepid Sea, Air, and Space Museum in New York City and a similar event held at the Computer History Museum in Mountain View, Calif.

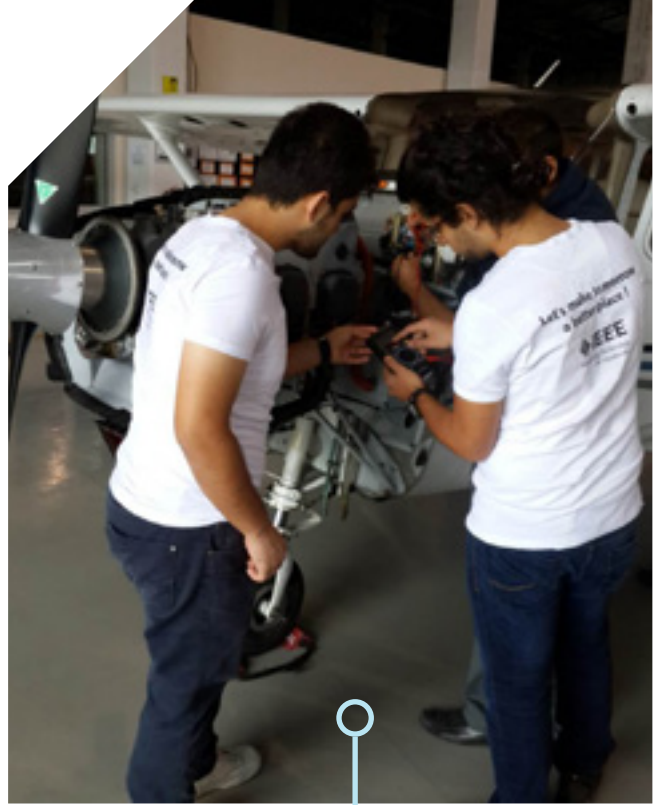


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