

The 8th IEEE World Forum on the Internet of Things (WFloT2022) seeks submissions and proposals for original technical papers and presentations that address the Internet of Things (IoT), its theoretical and technological building blocks, the applications that drive the growth and evolution of IoT, operational considerations, experimentation, experiences from deployments, and the impacts of IoT on consumers, the research community, the public sector, and commercial verticals.

The theme for WFloT2022 is *“Sustainability and the Internet of Things”*, encouraging the submissions of content aimed at growth of IoT across the world and the reduction of harmful and environmental impacts. The World Forum will be held as a hybrid event, accepting in person and virtual presentations, and will be conducted 26 October-11 November 2022.

Peer Reviewed Technical Paper Submissions

Papers should address, but are not limited to, the following high-level topics:

- Artificial Intelligence/Machine Learning Technologies for IoT
- Autonomy and Automation
- Bioengineering and IoT
- Communication, Networking and Broadcast Technologies
 - Components, Circuits, Devices and Electronic Systems
- Computing and Processing
- Computer Storage Systems
- Cybersecurity, Security, Privacy, and Trust
- Digital Twins in IoT Applications
- Fields, Waves and Electromagnetics
- General Topics of Interest to Engineers
- Impact on the Engineering Professions
- Industrial IoT with SDGs (Sustainable Development Goals)
- Internet Technologies for Environmental Engineering
- Power, Energy, and Industrial Applications
- Results from Experiments, Demonstrations and Trials, and Deployment Experiences
- Robotics and Control Systems
- Signal Processing and Analysis
- Sustainable Transportation
- Systems Engineering, Integration Methods, and Operational Technologies
- Theoretical Foundations, Design Methods, and Architectural Consideration

Paper submissions for Peer-Reviewed Technical Papers are due 13 June 2022.

All accepted Peer-Reviewed Technical Papers will be included in the proceedings (IEEE Xplore).

Special Sessions, Workshops, and Industry Forums

As part of the Technical Program, the World Forum is also seeking proposals for: (1) Special Sessions consisting of peer-reviewed papers and interactive presentations focused on research topics of importance to IoT; (2) Workshops consisting of peer-reviewed papers, discussions, and summary results about advanced topics relevant to IoT. Workshop summary results will be edited and published as part of the WFIoT2022 Proceedings; and (3) Industry Forums consisting of presentations and panel discussions aimed at research topics important to industrial IoT issues.

Proposal submissions for Special Sessions, Workshops and Industry Forums are due 11 April 2022.

Once accepted, proposers for Special Sessions and Workshops will issue an individual call for papers for selected topics.
Paper submissions for Special Sessions and Workshops are due 13 June 2022.

Vertical and Topical Tracks for Practitioners

The World Forum will include Vertical and Topical Tracks on designated topics. Leading experts will lead interactive presentations, focused on topics of importance to IoT practitioners addressing aspects of actual IoT implementations, adoptions, deployments, and operations. Most of speakers are chosen by invitations by the Vertical and Topical Track Chairs. We also encourage suggestions for topics and speakers which align with the Vertical and Topical Tracks.

Proposal submissions for Vertical and Topical Track speakers (including self-nominations), are due 11 April 2022.

Invited speakers and participants in the Vertical and Topical Tracks may elect to submit papers, which will be peer reviewed and if accepted will be included in the proceedings (IEEE Xplore).

Peer reviewed paper submissions accompanying Vertical and Topical Track presentations are due 13 June 2022.

Additional Parts of the of WFIoT2022 Program

WFIoT2022 will also feature the following:

- Tutorials on Research and Industrial Hot Topics
- Women in Engineering (WIE) Forum
- Young and Professionals (YP) Forum
- Masters/PhD Forum and Student Paper Contest (MP)
- Entrepreneurial Forum

Proposals for Tutorials, as well as suggestions for speakers and content for the WIE, YP and Entrepreneurial Forums are due 11 April 2022.

Conference Venue



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The Venue for WFIoT2022 is hybrid, consisting of an in-person meeting in Yokohama Japan and live online programming. Yokohama is in the center of Japan, along the coastline of Japan's Pacific Ocean, and is one of the 15 Japanese Government-designated cities. Designated cities are delegated many of the functions normally performed by prefectural governments in fields such as public education, social welfare, sanitation, business licensing and urban planning. The total population of Yokohama is 3.7 million, making the city the second largest after Tokyo's 23 Wards. Several foreign enterprises have established their branches in Yokohama, taking full advantage of the Port of Yokohama which is an international trading port. Yokohama is a city of dreams for every Japanese person as well as its local citizens who are very proud of living here because it is not only famous as a tourist mecca, but also has every urban function and a thriving business and cultural climate.

The in-person conference location is the PACIFICO Yokohama - one of Japan's best convention complexes designed to include all necessary functions and provide all necessary facilities for conventions and other large-scale events. The beautiful exterior of the building, reminiscent of "wave, wind and light," is one of the symbols of the historical and cosmopolitan Yokohama.

For more information, visit the IEEE WFIoT2022 Website
wfiot2022.iot.ieee.org