



IEEE 45th International Conference on Consumer Electronics (ICCE 2027)



“Human-Centric AI for Intelligent Living: Trustworthy, Sustainable, and Adaptive Consumer Technologies”
8-11 January 2027 / Las Vegas, NV, US / In person.



CALL FOR PAPERS AND PROPOSALS

IMPORTANT DATES

Paper Submission:	Oct. 15 /2026	Special Session Organizing Proposal Submission:	Jul. 30 /2026
Paper Acceptance:	Nov. 20 /2026	Special Session Organizing Proposal Acceptance:	Rolling from Jul. 15 /2026
Camera Ready Paper:	Nov. 30 /2026	Industry Forum (IF) Proposal Submission:	Jul. 1 /2026
		Industry Forum (IF) Proposal Acceptance:	Jul. 15 /2026

Full details of submission procedures available at: <https://icce.org>

The 45th IEEE International Conference on Consumer Electronics (ICCE 2027) is the IEEE Consumer Technology Society (CTSoc)'s annual flagship conference, held in conjunction with CES. ICCE 2027 will bring together top professionals from industry, government, and academia from around the world. The theme of the conference is **“Human-Centric AI for Intelligent Living: Trustworthy, Sustainable, and Adaptive Consumer Technologies.”** The conference will provide networking opportunities for participants to share ideas, designs, and experiences on the state-of-the-art and future direction of consumer technologies. ICCE 2027 will feature comprehensive, high-quality technical and industry programs covering traditional and contemporary topics delivered through lecture, interactive oral presentations, tutorials, industry forums, mixed panels, and high profile keynotes. Authors should register under the “Full” registration category to get their papers published in the Conference Proceedings and IEEE Xplore®. Authors with multiple papers must register each paper separately with the requisite fee. Authors of selected papers with the highest reviews may be invited to extend their conference papers into high quality journal papers to special issues of peer-reviewed journals of CTSoc (e.g., IEEE Transactions on Consumer Electronics and IEEE Consumer Electronics Magazine). For the details and updates, please visit the conference website at <https://icce.org>.

TECHNICAL PAPERS

We are calling for Technical Papers in the following Regular Tracks. Please submit your paper(s) using the conference website.

- Application-Specific CE for Smart and Cognitive Cities (SMC)
- Audio/Video Systems and Signal Processing (AVS)
- Automotive CE Applications (CEA)
- Consumer Communications Networks and Connectivity (CCN)
- Consumer Power and Energy (CPE)
- Consumer Systems for Healthcare and Wellbeing (CSH)
- Entertainment and Gaming (ENT)
- Human-Machine Interaction and User Experience (HMI)
- Internet of Things (IoT) & Edge Computing with Edge AI (IOT)
- Advanced AI and Agentic AI for Affordable and Low Power Consumer Electronics (MDA)
- Quantum in Consumer Technology (QCT)
- Security and Privacy of CE Hardware and Software Systems (SPC)
- Advanced Sensors and Actuators for Consumer Electronics and Physical AI (SEA)
- Smartphone and Mobile Device Technologies (MDT)
- Virtual Reality, Augmented Reality and Metaverse (VAM)
- Emerging Consumer Technology (ECT)
- Next Generation Communications and Networks (NCN)
- Generative Pre-trained Transformer (GPT)
- Blockchain and Cryptocurrency (BAC)
- Digital Fashion and Non-Fungible Token (DFT)
- Software in Consumer Technologies (SCT)
- Physical Unclonable Function and Security (PUF)

We are also calling for papers in the Special Technical Sessions. For the detail, please see the conference website.

INDUSTRY FORUM (IF) PROPOSALS

Proposal submissions are sought for Industry Forums (IF) on the latest technical and business issues, challenges, and solutions in CE industry. We also welcome proposals relevant to topics listed in the above Tracks and the theme.

Submit proposals to charlotte.kobert@ieee.org

TUTORIAL PROPOSALS

Proposals are invited for one or two-hour tutorials to be presented on January 8, particularly related to the conference themes.

Submit proposals to charlotte.kobert@ieee.org

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