




2027 IEEE 16th Global Conference on Consumer Electronics

IEEE CTSoc CONSUMER TECHNOLOGY SOCIETY

IEEE GCCE 2027

October 26-29, 2027 at Fukuoka International Congress Center, Fukuoka, JAPAN

2027 IEEE 16th Global Conference on Consumer Electronics (GCCE 2027) is asking for submissions of technical papers for Oral, Poster, and Demo! presentations. The IEEE GCCE 2027 will bring together top technical professionals from the consumer electronics industry and academia to exchange information and results of state-of-the-art work on systems, circuits, technologies, processes and applications!

Student papers and **WIE papers** are particularly encouraged.

Call For Papers !

Oral, Poster, and Demo! categories



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Contact
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More Information
www.ieee-gcce.org

Important Dates

Abstract Proposal of Organized Session	**March 8, 2027**
2-page Review Paper Submission	**May 10, 2027**
Notification of Acceptance	**July 12, 2027**
Deadline of Early-bird Registration	**July 30, 2027**
IEEE GCCE 2027	**October 26-29, 2027**

Accepted and presented papers will be published in **IEEE Xplore** and the authors are encouraged to submit enhanced journal-quality papers to the **IEEE Transactions on Consumer Electronics**!

GCCE handles everything on Life Electronics

Call for Organized Session Proposals

GCCE 2027 welcomes Organized Session (OS) proposals which are related to up-to-date cross-field topics, except Regular Session Topics. Please fill out the Proposal Form on the Web or contact us: support@ieee-gcce.org!

Regular Session Topics & Keywords

The topics covered by GCCE 2027 include, but are not limited to:

TV & Display Technologies
Future TV, Ultra HDTV, Smart TV, Network TV, Super Resolution, 3D Imaging and Display, OEL, Flexible Displays, Micro LED, VR/AR/MR Displays, Head-Mounted Displays

Wireless & RF in CE
Antennas, Acquisition, Equalization, Spectrum Usage, Software Radio, Wireless LAN, Bluetooth, RFID, WPAN, 5G/6G, Wireless Power Transmission

Data Science & AI for CE
Machine Learning for CE, Edge AI, Agentic AI, Generative AI, Data Science and Analytics, AI Accelerators, Trustworthy and Explainable AI, Quantum Technologies

User Interfaces & Experience in CE
Gesture Operation, Multitouch, Natural User Interface, Haptics, User Experience, HCI for CE, Usability, User Centered Design, Accessibility, Special-Needs/Assistive Technologies

Automotive & Mobility
Navigation, Driver Assistance, Car AV Systems, V2X Communication, Automotive UI, In-Car Internet, Automotive Sensors and Controls

AV Processing & Streaming
Cameras, Audio Systems, Image Processing, Video Processing and Codecs, Transcoding, Video Enhancement, Interactive Streaming, VoD, Visual Quality Assessment

Home Networks & Smart Home
Home Gateway, Smart Home Appliances, Internet of Things, Interoperability, Matter, ECHONET Lite, QoS, Home Automation, Gaming Devices and Systems

Embedded Technologies
Embedded Systems, Embedded OS and Software, SoC, FPGA, MCUs, Advanced Semiconductors, Low-Power Design, High-density Mounting, Development Tools

Security & Rights Management
Copy and Redistribution Protection, Payments, Parental Controls, CE and Digital Content Issues, Data Collection, Biometrics, Privacy, Encryption

Smart Grid & Green Energy
HEMS, BEMS, CEMS, Smart Meter, Demand Response, Energy Storage, On-site Power Generation, Solar Cell, Energy Harvesting, Rechargeable Energy, Power Monitors

Cloud, Edge & Digital Media
Cloud Media, CE and Cloud Computing, Edge Computing, Content Delivery, Interactive Media, Storage Technology, Next-generation Storage Media, Digital Archives

Mobile & Wearable Computing
Mobile Broadband, Handheld and Wearable Computers, Personal Multimedia Devices, AV Streaming to Handheld Devices, Smartphones, Next-Generation Cellular Phones

Enabling Technologies
High Speed Signal and Interconnects, Algorithms, Intellectual Property, Manufacturing and Test Technology for CE, Recyclable Engineering, Product Safety, White Goods

Home Medical & Healthcare
Home Medical Equipment, Medical IT/ICT, Healthcare Applications, Wellness Devices, Remote Health Monitoring, Telemedicine, Elderly Care, Mental Wellbeing

Other topics are covered by Organized Sessions (OS). OS proposals are welcome!

Conference Venue

Fukuoka Int'l Congress Center
2-1 Sekijo-machi, Hakata-ku,
Fukuoka, JAPAN

