



2023 IEEE 12<sup>th</sup> Global Conference on Consumer Electronics



**GCCE 2023**  
October, 10-13, 2023  
Nara, JAPAN

2023 IEEE 12th Global Conference on Consumer Electronics (GCCE 2023) is asking for submissions of technical papers for **Oral**, **Demo!**, and **Poster** presentations.

The IEEE GCCE 2023 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, Demo!, and Poster categories**

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**QR Code to the GCCE HP!**



**Important Date**

Abstract Proposal for Organized Session	<b>April 10, 2023</b>
2-pages Review Paper Submission	<b>May 22, 2023</b>
Notification of Acceptance	<b>June 26, 2023</b>
Deadline of Early-bird Registration	<b>July 31, 2023</b>
IEEE GCCE 2023	<b>October, 10-13, 2023</b>

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

# Welcomes Organized Session Proposals

GCCE 2023 welcomes **Organized Session (OS)** proposals which are related to up-to-date crossfield topics, except Regular Session Topics. Please fill out the Proposal Form on the Web or contact us: [support@ieee-gcce.org](mailto:support@ieee-gcce.org)!

GCCE  
Handles  
Everything  
About  
Life  
Electronics

## Regular Session Topics & Keywords

The topics covered by GCCE 2023 include, but are not limited to,

### TV & Display Technologies

Future TV, Mobile TV, Ultra HDTV, Super Resolution Signal Processing, Network TV, Smart TV, 3D Imaging and Display, OEL, VoD, Visual Media Communication

### Wireless & RF in CE

Antennas, Acquisition, Equalization, Spectrum Usage, Software Radio, Wireless LAN, IEEE 802.11 Standards, Bluetooth, RFID, WPAN, Wireless Power Transmission

### Mobile Computing & Communications

Mobile Broadband, Handheld and Wearable Computers, Personal Multimedia Devices, AV Streaming to Handheld Devices, Next-Generation Cellular Phones, Smart Phone 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

### Storage & Digital Media

Optical Storage, Magnetic Storage, Next-generation Storage Media, Semiconductors, Storage Technology, Cloud Media, Interactive Media, CE and Cloud Computing

### Enabling Technologies

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

### Green Energy

Solar Cell, Wind-generated Electricity for CE, Rechargeable Energy, Energy Harvesting

### AV Processing & Streaming

Still and Video Cameras, Audio Systems and Technologies, Recording, Video Processing and Codecs, Storage Compression, Transcoding, Content Indexing, Video Enhancement, Interactive Video Streaming, Visual Quality Assessment, AV System Evaluation

### Home Networks & Services

Wired and Wireless Networks at Home, Home Gateway, QoS, Bridges, Peer-to-Peer, Interoperability, Application Control, PVR, Home Theater, Interconnects, Gaming Devices and Systems, Internet Integration

### Embedded Technologies

Embedded Systems, Embedded OS, Embedded Software, High-density Mounting, Advanced Semiconductors, Development Tools

### Security & Rights Management

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

### Smart Grid & CE

Smart House, HEMS, BEMS, FEMS, CEMS, Smart Meter, Power Monitors, Energy Storage, On-site Power Generation, Sensors and Networks for Smart Grid, Internet of Things

### Automotive Entertainment & Information

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

### Home Medical & Healthcare

Home Medical Equipment, Medical IT/ICT, Healthcare Applications, Wellness Devices