



2018 IEEE 7th Global Conference on Consumer Electronics



IEEE



GCCE 2018

Advancing Technology
for Humanity

October 9-12, 2018

First permanent capital "NARA", JAPAN

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2018 IEEE 7th Global Conference on Consumer Electronics (GCCE 2018) is asking for submissions of technical papers for **Oral, Demo!**, and **Poster** presentations.

The IEEE GCCE 2018 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 are particularly encouraged.

Call For Papers !



**Oral, Demo!,
and Poster categories**

In 2018, GCCE welcomes "Co-design" papers (incl. Human & Computer) with the Best Co-design Awards!

Organizational Sponsors

EIC The Institute of Electronics, Information and Communication Engineers

IEEJ The Institute of Electrical Engineers of Japan

ITE The Institute of Image Information and Television Engineers

IPS The Information Processing Society of Japan

G.A.S Game Amusement Society

JIFE Japan Institute of Power Electronics

Human Interface Society Human Interface Society

The Japan Ergonomics Society

JSKE Japan Society of Kansei Engineering

Contact
support@ieee-gcce.org

For More Information
www.ieee-gcce.org



Important Dates

2-pages Review Paper Submission	May 31, 2018
Notification of Acceptance	July 25, 2018
Deadline of Early-bird Registration	August 20, 2018
Final Paper Submission	August 20, 2018
IEEE GCCE 2018	October 9-12, 2018

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!**

GCCE 2018 Welcomes Organized Session Proposals

GCCE 2018 welcomes **Organized Session (OS)** proposals which are related to up-to-date and crossfield topics, except Regular Session Topics. Please fill out the Proposal Form on the web and send us at support@ieee-gcce.org!

**GCCE
Handles
Everything
About
Life
Electronics**



Power Management



User Interface



Communication



Mobile/
Wireless

Regular Session Topics & Keywords

The topics covered by GCCE 2018 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

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

Wireless & RF in CE

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

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

Mobile Computing & Communications

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

Automotive Entertainment & Information

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

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 Technology

Security & Rights Management

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

Storage & Digital Media

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

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

Home Medical & Healthcare

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

Embedded Technologies

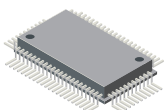
Embedded Systems, Embedded OS, Embedded Software, High-density Mounting, Advanced Semiconductors, Development Tools

Green Energy

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

Enabling Technologies

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



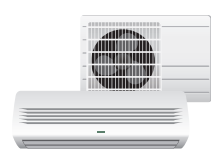
Storage



Motor Control



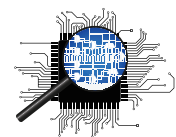
Thermal Efficiency



Sensing



Optimization



EDA Tools



Image Processing



Packaging



Automotive



HEMS



Smart Home



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