



2016 IEEE 5th Global Conference on Consumer Electronics



IEEE



GCCE 2016

Advancing Technology
for Humanity

October 11-14, 2016. KYOTO, JAPAN

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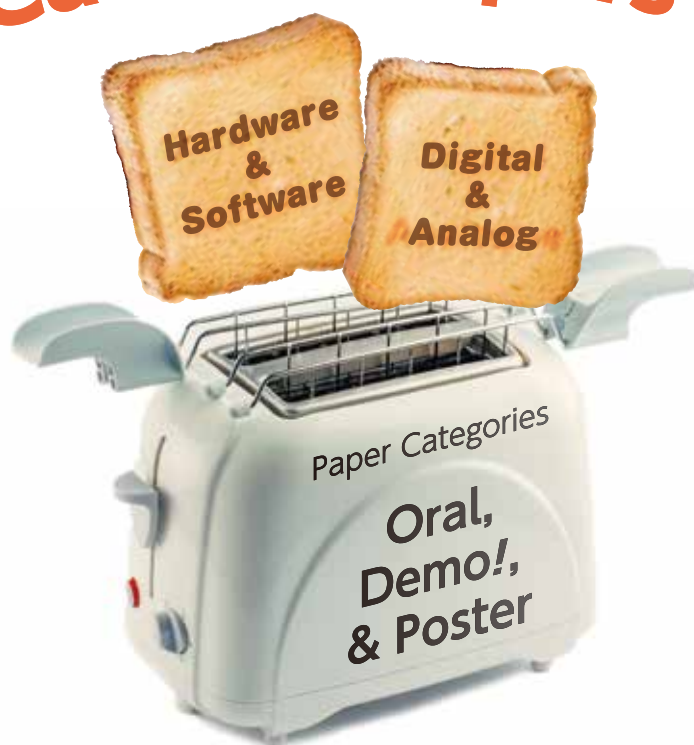
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2016 IEEE 5th Global Conference on Consumer Electronics (GCCE 2016) is asking for submissions of technical papers for **Oral**, **Demo!**, and **Poster** presentations.

The IEEE GCCE 2016 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 !



In 2016, GCCE is planning to introduce new **“Co-design Awards”** for papers that seeked for the best balanced solutions of hard/soft, D/A, cost/performance, and so on!

Contact
support@ieee-gcce.org

For More Information
www.ieee-gcce.org



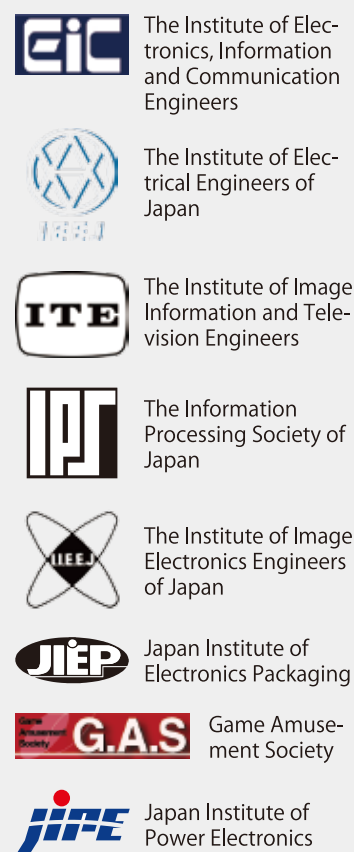
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Important Dates

| | |
|-------------------------------------|----------------------------|
| Entry Deadline for Submissions | June 1, 2016 |
| 2-pages Review Paper Submission | June 10, 2016 |
| Notification of Acceptance | July 25, 2016 |
| Deadline of Early-bird Registration | August 12, 2016 |
| IEEE GCCE 2016 | October 11-14, 2016 |

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!**

Organizational Sponsors





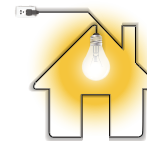
Mobile/
Wireless



Automotive



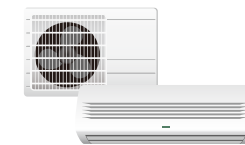
HEMS



Smart Home



Sensing



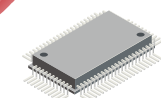
Thermal
Efficiency



Motor Control



Storage



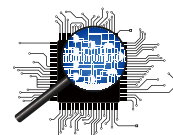
Packaging



Image
Processing



ASIC/FPGA
Mixed Signal



EDA Tools



Optimization



Power
Management



TV & Display Technologies

Future TV, Mobile TV, Ultra HDTV, Network TV, Super Resolution Signal Processing, 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

Storage & Digital Media

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

Security & Rights Management

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

Regular Session Topics & Keywords

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

Automotive Entertainment & Information

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

Embedded Technologies

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

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

Home Medical & Healthcare

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

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

Green Energy

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

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

Enabling Technologies

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

See <http://www.ieee-gcce.org/2016/topics.html> for details.

GCCE
Handles
Everything
About
Life
Electronics

Organized Session Topics

HOME / LIFE

AIE: Artificial Intelligence and Embedded Systems

Chair: Thinagaran Perumal (Universiti Putra Malaysia, MY)
Co-Chair: Chui Yew Leong (Catrino, MY)

AIR: Artificial Intelligence & Robotics

Chair: Shohei Kato (Nagoya Institute of Technology, JP)
Co-Chairs: Takahiro Uchiya (Nagoya Institute of Technology, JP)
Atsuko Mutoh (Nagoya Institute of Technology, JP)
Ryota Nishimura (Keio University, JP)

STA: Sensing Technologies and Applications for Consumer Services

Chair: Norihiko Shinomiya (Soka University, JP)
Co-Chair: Michiko Nishiyama (Soka University, JP)

ETH: New Apparatus & Systems for Energy Technologies in Home Appliances & CE

Chair: Hideki Omori (Osaka Institute of Technology, JP)
Co-Chair: Akihiko Kanoda (Hitachi, JP)

HPL: Health Monitoring, Personalized Biomedical & Life Support Technologies

Chair: Seiji Nishifuji (Yamaguchi University, JP)
Co-Chairs: Ryoichi Suzuki (Kanazawa Institute of Technology, JP)
Shenglin Mu (Hiroshima National College of Maritime Technology, JP)

PSH: Large Scale Signal Processing in Smart Home

Chair: Huang-Chia Shih (Yuan Ze University, TW)
Co-Chairs: Wei-Yu Chiu (Yuan Ze University, TW)
Ting-Lan Lin (Chung Yuan Christian University, TW)

MOBILITY / EMBEDDED

ESD: Advanced Embedded Systems Development & Electronics Design

Chair: Yoshihiro Saito (Sharp, JP)

ITS: Intelligent Transport Systems

Chair: Tomotaka Wada (Kansai University, JP)
Co-Chairs: Naohisa Hashimoto (National Institute of Advanced Industrial Science and Technology, JP)
Hiroyuki Hatano (Utsunomiya University, JP)

MVD: Microelectronics & VLSI Design

Chair: Balwinder Raj (National Institute of Technology Jalandhar, IN)
Co-Chair: B.B.Gupta (National Institute of Technology Kurukshetra, IN)

WCD: Wearable Consumer Devices

Chair: Tomoya Kawakami (Nara Institute of Science and Technology, JP)
Co-Chair: Tomoki Yoshihisa (Osaka University, JP)

AUDIO / VISUAL

AAT: Recent Audio & Acoustic Technology

Chair: Kazuhiko Kawahara (Kyushu University, JP)
Co-Chairs: Kazuma Hoshi (Nihon University, JP)
Atsushi Marui (Tokyo University of the Arts, JP)

VHS: Virtual Reality & Monitoring for Health and Safety

Chair: Kingkarn Sookhanaphibarn (Bangkok University, TH)
Co-Chairs: Karel Sterckx (Bangkok University, TH)
Romuald Jolivot (Bangkok University, TH)

NETWORK / SECURITY

ACE: Formal Approach to Consumer Electronics

Chair: Ichiro Toyoshima (Toshiba, JP)
Co-Chairs: Shingo Yamaguchi (Yamaguchi University, JP)
Daisuke Ishii (Fukui University, JP)

CBS: Recent Advancements in Cyber Security

Chair: B. B. Gupta (National Institute of Technology Kurukshetra, IN)
Co-Chairs: Miro Lehtonen (Kasetsart University, TH)
Shingo Yamaguchi (Yamaguchi University, JP)

CNW: Systems & Applications for Consumer Networks

Chair: Akihito Hiromori (Osaka University, JP)
Co-Chairs: Masayuki Hiromoto (Kyoto University, JP)
Hideyuki Takahashi (Tohoku University, JP)

ENTERTAINMENT / EDUCATION

ELT: e-Learning Technologies & Their Applications

Chair: Shingo Yamaguchi (Yamaguchi University, JP)
Co-Chair: Nobuo Funabiki (Okayama University, JP)

GAM: Game Amusement

Chair: Makio Fukuda (Osaka International University, JP)
Co-Chairs: Tomoyuki Takami (Osaka Electro-Communication University, JP)
Toshihiro Hayashi (Kagawa University, JP)
Masayuki Ueno, JP (Osaka Electro-Communication University)

CPS: Smart Cyber-Physical Systems & Open Data

Chair: Shigeaki Tanimoto (Chiba Institute of Technology, JP)
Co-Chairs: Toru Kobayashi (Nagasaki University, JP)
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Xiaodong Lu (Electronic Navigation Research Institute, JP)

IOT: Consumer Centric Internet of Things & Mobile Edge Computing (CC-IoT MEC)

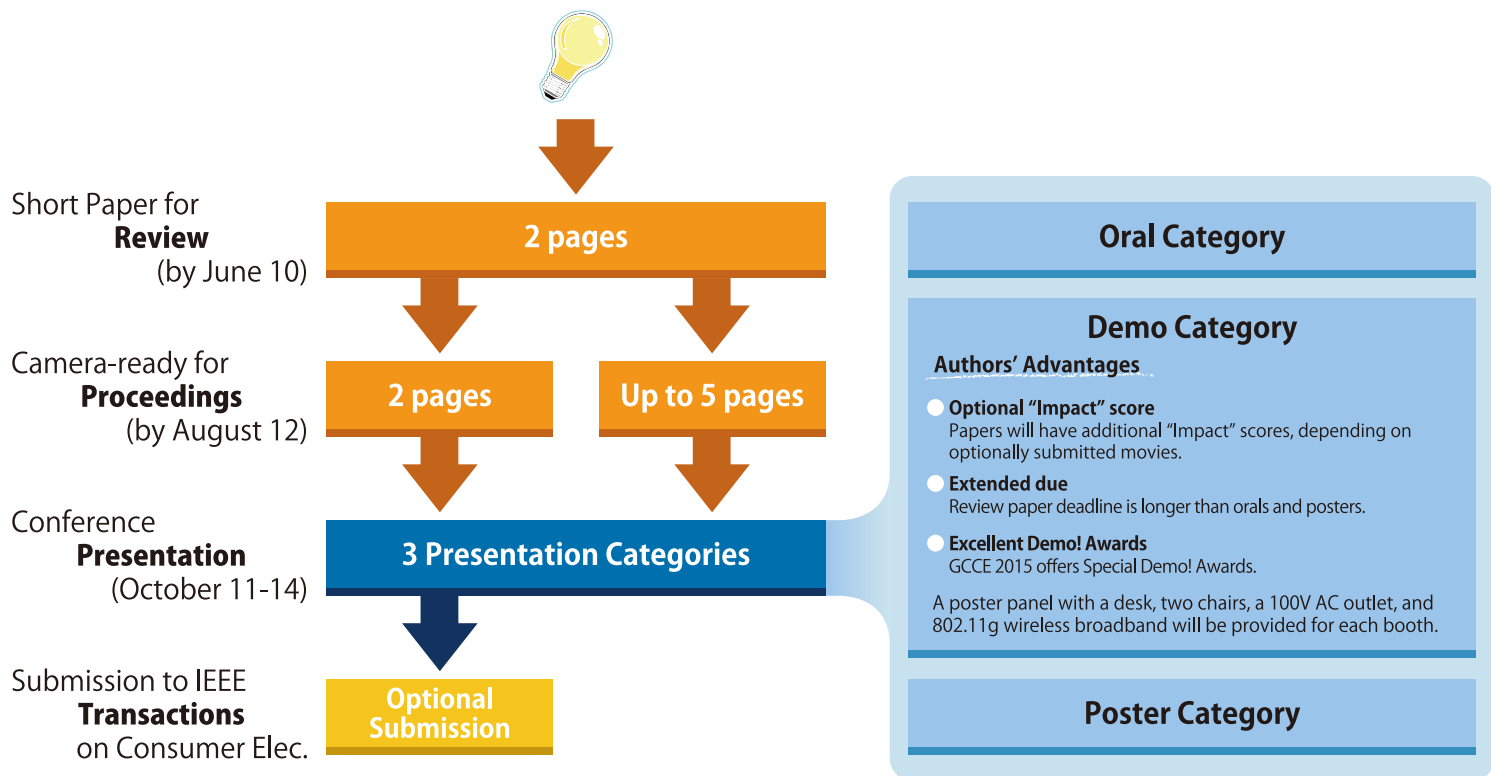
Chair: Soumya Kanti Datta (Eurecom, France, FR)
Co-Chairs: Thomas Coughlin (IEEE CE Society, US)
Thinagaran Perumal (UPM, MY)

ONS: Opportunistic Network & Security Issues

Chair: Khaleel Ahmad (Maulana Azad National Urdu University, IN)
Co-Chairs: M. A. Rizvi (National Institute of Technical Teacher Training and Research, IN)
Afrah Fathima (Maulana Azad National Urdu University, IN)

See <http://www.ieee-gcce.org/2016/organized.html> for details.

Submission Categories



Presented proceedings 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!**



Keynotes & Symposiums

Tutorials

Gold Event Lectures

CEATEC Tour
in English

Award Banquet

Japanese
Handicraft Experience

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