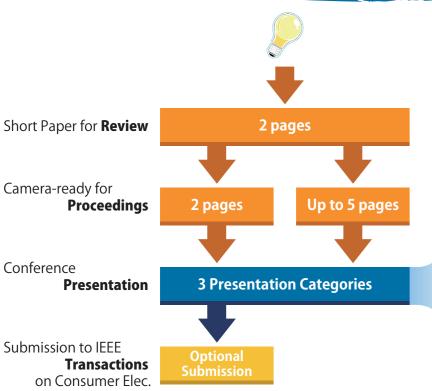
Submission Categories



Oral Category

Demo Category

Authors' Advantages

Optional "Impact" score

Papers will have additional "Impact" scores, depending on optionally submitted movies.

Excellent Demo! Awards GCCE 2017 offers Special Demo! Awards.

A poster panel with a desk, two chairs, a 100V AC outlet, and 802.11g wireless broadband will be provided for each booth.

Poster Category

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

Award Banquet

Japanese Handicraft Experience

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2017 IEEE 6th Global Conference on Consumer Electronics





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Important Dates

Entry Deadline for Submission **June 1, 2017** 2-pages Review Paper Submission June 8, 2017 Notification of Acceptance July 10, 2017 Deadline of Early-bird Registration July 31, 2017

IEEE GCCE 2017 October 24-27, 2017

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

2017 IEEE 6th Global Conference on Consumer Electronics (GCCE 2017) is asking for submissions of technical papers for Oral, Demo!, and Poster presentations.

The IEEE GCCE 2017 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.



Oral, Demo!, and Poster categories

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Organized Session Topics

HOME / LIFE

Artificial Intelligence and Embedded Systems

Chair: Thinagaran Perumal (Universiti Putra Malaysia, MY)

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Artificial Intelligence & Robotics

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

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

Smart Health Monitoring, Personalized Biomedical

and Life Support Technologies Ryoichi Suzuki (Kanazawa Institute of Technology, JP) Co-Chairs: Seiji Nishifuji (Yamaguchi University, JP)

Shenglin Mu

(Hiroshima National College of Maritime Technology, JP)

Large Scale Signal Processing In Smart House

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)

QOL: Quality-of-life Improvement **Technologies in Consumer Electronics**

Kensuke Kageyama (Saitama University, JP) **Co-Chairs:** Kazuyuki Kojima (Saitama University, JP) Mamoru Iwaki (Niigata University, JP)

MOBILITY / EMBEDDED

Intelligent Transport Systems

Chair: Tomotaka Wada (Kansai University, JP)

Co-Chairs: Naohisa Hashimoto (National Institute of Advanced Industrial Science and Technology, JP)

Masahiro Fujii (Utsunomiya University, JP)

MVD: Microelectronics and VLSI Design

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

Modeling and Control of Power Electronics System

Triet Nguyen-Van (University of Tokyo, JP) Chair: **Co-Chair:** Rikiya Abe (University of Tokyo, JP)

ENTERTAINMENT / EDUCATION

ELT: e-Learning Technologies and 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 (Osaka Electro-Communication University, JP)

AUDIO / VISUAL

Recent Audio & Acoustic Technology

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

AIP: **Advanced Image Processing**

Yen-Wei Chen (Ritsumeikan University, JP) Co-Chair: Tomio Goto (Nagoya Institute of Technology, JP)

EIV: **Emerging Technologies** for Image & Video Processing

Takahiro Ogawa (Hokkaido University, JP) Chair: Co-Chair: Shogo Muramatsu (Niigata University, JP)

Image Safety & Ubiquitous Interface based on Integrated Sensory Perception

Chair: Toru Kiryu (Niigata University, JP)

Co-Chairs: Naoki Kobayashi (Saitama Medical University, JP) Thinagaran Perumal (Universiti Putra Malaysia, MY)

SLP: Spoken Language Processing in Daily Life

Chair: Ryota Nishimura, JP (Tokushima University, JP) **Co-Chairs:** Norihide Kitaoka (Tokushima University, JP) Hiromitsu Nishizaki (Yamanashi University, JP)

VHS: **Virtual Reality and Monitoring** for Health and Safety

Chair: Kingkarn Sookhanaphibarn (Bangkok University, TH) Co-Chairs: Worawat Choensawat (Bangkok University, TH) Romuald Jolivot (Bangkok University Center of Research in Optoelectronics, TH)

NETWORK / SECURITY

ACE: Formal Approach to Consumer Electronics

Ichiro Toyoshima (Toshiba, JP)

Co-Chairs: Shingo Yamaguchi (Yamaguchi University, JP) Daisuke Ishii (University of Fukui, JP)

Recent Advancements in Cyber Security

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

CPS: Smart Cyber-Physical Systems & Open Data

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Toru Kobayashi (Nagasaki University, JP) Xiaodong Lu (Electronic Navigation Research Institute, JP)

Internet of Things and Application to Consumer Electronics

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ONS: Opportunistic Network and Security Issues

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of Technical Teacher Training and Research, IN) Piyush Shukla (Rajiv Gandhi Technological University, IN)

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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

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

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