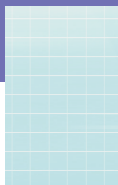


January 13 - 16, 2012
Las Vegas, USA
<http://www.icce.org>

IEEE CONSUMER ELECTRONICS SOCIETY

CALL FOR PAPERS



30TH INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS 2012



IEEE



CO-LOCATED WITH THE INTERNATIONAL CONSUMER ELECTRONICS SHOW

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Conference Theme: Cloud Enhanced Consumer Electronics

The International Conference on Consumer Electronics (ICCE), now in its **30th** year, is soliciting technical papers for oral and poster presentation at ICCE 2012. **NEW:** This year authors have options on what type of paper they would like to submit. Please see the web-site for details. The ICCE is the leading Consumer Electronics Conference and has a long history with many of the world's leading researchers participating. Papers reporting new developments in all areas of consumer electronics are invited, including but not limited to those listed below. This year, papers relating to Cloud Enhanced Consumer Electronics Devices and Services are particularly welcome. Topics around this major theme will be content of special sessions and tutorials. ICCE 2012 will start and overlap with the final day of CES (Friday). The Friday program will feature our Conference Keynote and a Review of CES by a number of IEEE technical experts followed by a panel discussion. In addition a number of highly topical invited sessions will feature throughout the day on Friday. A discounted conference rate is available for Friday-only delegates. Keep an eye on our website for further details of the social and partner programs.

Additional Conference Sessions: ICCE has always prided itself on covering a broad spectrum of research activity relevant to Consumer Electronics. ICCE 2012 will incorporate 5 parallel conference tracks of Special, Invited and Associated Sessions allowing coverage of even more topics of current interest to the CE professional.

Tutorials: are scheduled during the Conference. Brief proposals should be submitted by June 1st, to the Tutorial Chair Dr Michael Zeifman. Proposals must include title, summary, detailed outline, as well as bio and contact information for the presenter.

Social Activities: in addition to a Welcome Reception on Friday evening and our conference lunches which include presentation of the Ibuka award, there will be organized a spectacular "magical" evening event for all participants.

INVITED SESSIONS

A number of Invited Sessions on topics of current interest to the CE community are being organized and technical papers on related topics are encouraged. Among the proposed topics for ICCE 2012 are:

- (i) CE Technology and the Cloud
- (ii) 3D Video Acquisition, Processing and Display
- (iii) Home & Personal Healthcare
- (iv) Green-Home, Intelligent White Goods, Energy-Management
- (v) Smart Grid
- (vi) Security & Digital Content, Intellectual Property & Licensing
- (vii) Gesture and Expression Recognition in CE Devices
- (viii) Automotive Technologies
- (ix) Advances and Challenges in HD Device Interconnects
- (x) Product Safety relating to Consumer Devices

Please check our website for a current list and status updates on these sessions. If you wish to organize or help with any of the above sessions or propose additional sessions please contact the conference chair or technical chair.

ASSOCIATED & SPECIAL SESSIONS

A selection of the best papers from ICCE are published each year in the IEEE Transactions on Consumer Electronics. Following a new tradition the IEEE Consumer Electronic Society arranges Associated Sessions related to their co-sponsored journals and related Societies. Full papers submitted to ICCE for these sessions will be published in the relevant journals subject to the normal peer review process and editorial discretion.

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For further information or questions,
please visit www.icce.org or contact us at
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IEEE/OSA Journal on Display Technology

(i) 3D Display Technologies

(ii) Low Power / Energy-Efficient Displays

(iii) Emerging Display Technologies (micro-projectors, ebook displays)

IEEE Transactions on Haptics

(i) Enabling Technologies for Haptic CE Devices

(ii) Application of Haptics in CE Systems & Devices

IEEE Transactions on Affective Computing

(i) Enabling Technologies for Affective UI in CE Devices

(ii) Application of affective methods and workflows in CE Systems & Devices

IEEE Transactions on Computational Intelligence and AI in Games

(i) Gaming Devices Technology

(ii) Gaming Technologies usable for CE Devices, Systems and Services

IEEE Transactions on Autonomous Mental Development

(i) Real-time interaction, sensors and effectors in Brain-like CE Devices

Please note that unsolicited papers submitted to Invited or Associated Sessions must still follow the normal peer-review process. When submitting such papers please mark/ note that your paper is intended for a particular session but also include a second choice. If you have been solicited by a member of the ICCE TPC or Executive Committee to submit a paper please mark it explicitly as "invited".

Besides others a CEA supported Special Session on New Products & Technologies has been planned. Interested contributors are very welcome to get directly in contact with the Conference Chair or Technical Chair.

MAIN CONFERENCE SESSIONS – CORE TOPICS

HOME ENTERTAINMENT & SERVICES: Home Services in the Cloud, DTV, Home Theater, PVR, Interconnects, Product Safety, Interactive TV, Internet Integration, Home Robotics, Solid-State Memory & Optical Discs, 3D Displays, Multimedia Control, Interactive Control Including Gesture, Haptics and EEG Technologies, Gaming Technology, Intelligent White Goods

MOBILE COMPUTING & COMMUNICATION: Mobile Broadband, Next Generation Cellular, Handheld & Wearable Computers, AV Streaming to Mobile Devices, Communication with the Cloud, Personal Multimedia

AV TECHNOLOGY: Still & Video Cameras, Analog and Digital Audio, 3D Video, Recording, Storage, Compression, Transcoding, Applied Signal Processing, Content Indexing, Networked A / V, Video Enhancement, Visual Quality Assessment

RF & WIRELESS: Antennas, Acquisition, Equalization, Spectrum Usage, Software Radio, Wireless LAN, 802.11 Standards, Bluetooth, RFID, WPAN, UWB

NETWORK TECHNOLOGY & ENERGY MANAGEMENT: Wired & Wireless Multimedia, QoS, Security, Peer-to-Peer. Internet Appliances, Home Control, Bridges, Interoperability, Application Control, Home Healthcare Systems & Applications, Energy, Energy Management, Personal Area Networks, CE Applications of Sensor Networking

AUTOMOTIVE ENTERTAINMENT & INFORMATION: Navigation, A/V Systems, Assistive Technology, Networks & Communication, Sensors and Control, In-Car Entertainment

SECURITY & RIGHTS MANAGEMENT: Copy and Redistribution Protection, Intellectual Property, Trusted Computing & Transactions, Biometrics, Encryption, Security, Parental Control, Privacy, Legal and Regulatory Issues, Standards

ENABLING TECHNOLOGY: Advanced Semiconductors, High Speed Signals & Interconnects, Algorithms, O/S, Development Tools, Test Equipment, Advanced Displays, Power and Conventional Batteries, Small Fuel Cells, Cost Reduction, Compliance Testing, Recyclable/Green Engineering, Human-Device Interface, Haptics & Gesture, Special-Needs/Assistive Technology

AUTHOR'S INFORMATION

**Deadline for Paper Submissions
July 31, 2011**

**Notification of Acceptance
September 06, 2011**

**Camera-Ready Paper Due
October 3, 2011**

Authors are invited to submit an extended abstract, as per guidelines provided on the website. Only electronic submissions will be accepted via the website at <http://www.icce.org>.

At least one author of each paper MUST pre-register for the conference by October 16, 2011 for papers to be included in the program.

IEEE International Conference on Consumer Electronics - ICCE Technical Program Committee

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