



## The 5<sup>th</sup> IEEE International Conference on Consumer Electronics – Berlin, 6 – 9 September 2015



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**VDE ITG**

### Co-Organizer



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## CALL FOR PAPERS

The 5<sup>th</sup> IEEE International Conference on Consumer Electronics – Berlin (“ICCE-Berlin”) will be held from the 6<sup>th</sup> to 9<sup>th</sup> September 2015 in Berlin in parallel with the IFA, the leading trade show for Consumer Electronics and Home Appliances. The ICCE-Berlin is the European sister conference of the IEEE Consumer Electronics Society’s flagship conference “ICCE” held annually in Las Vegas in conjunction with the Consumer Electronics Show. Now in its 5<sup>th</sup> edition, ICCE-Berlin is well established and fully integrated in the IFA and continuously growing. This year the IEEE CE Society is joining forces with other IEEE societies to broaden and strengthen the CE subjects and scope of the conference: the Community for Cloud Computing, the EMC Society, the Life Sciences Technical Community, the Product Safety Engineering Society, the Reliability Society, the Society of Social Implications of Technology, and the Vehicular Technology Society. To allow these new participants to join us, we have extended the paper submission deadline a last time.

Berlin, a birthplace of consumer electronics, is one of Europe’s most exciting cultural centres and a vibrant city. The conference will again bring together researchers and engineers from industry, research centres, and academia to exchange information and results of recent work on systems, circuits, technologies, processes, and applications. It will provide an excellent forum for the researchers, system developers, and service providers to share their ideas, designs and experiences in such a proper environment as the IFA. We have some of the world’s leading experts giving keynote speeches, and also high quality tutorials. There will be a doctoral workshop as well as activities for Young Professionals and for Women in Engineering.

IEEE 2015 ICCE-Berlin is asking you for submissions of technical papers for oral and poster presentations. Prospective authors are invited to submit a 2-page abstract in any of the technical areas below as well as in other areas related to **consumer electronics**. The final paper may extend up to 5 pages. All accepted and presented papers will be submitted to IEEE Xplore for publishing. Student papers are particularly encouraged. The conference especially covers the following subject areas:

**Audio and Video Technology**  
**Entertainment and Games**  
**Car Electronics**  
**Consumer Networks**

**RF & Wireless**  
**Human-Device Interaction**  
**Sports, Wellness and Home Healthcare**  
**Smart Energy**  
**Product Safety Engineering**

The conference is particularly welcoming contributions related to consumer electronics under the umbrellas of the joining IEEE societies of cloud computing, electro-magnetic compatibility, life sciences, product safety engineering, reliability, social implications of technology, and vehicular technology.



**President IEEE CE Society**  
*Sharon Peng, US*

**Leaders of the joining IEEE societies:**

*Steve Diamond, Cloud Computing Initiative*

*Bob Scully, Electro Magnetic Compatibility Society*

*Dona Hudson, Life Sciences Technical Community*

*Kevin Ravo, Product Safety Engineering Society*

*Christian Hansen, Reliability Society*

*Greg Adamson, Society on Social Implications of Technology*

*Lee Stogner, Transportation Electrification Initiative*

**VDE Representative**  
*Volker Schanz, DE*

**International Coordinators**  
*Stephen Dukes, US  
Simon Sherratt, UK  
Heinz-Helmut Schramm, DE*

### Important Dates

**Final Abstract Submission Deadline:**  
**15 June 2015**

**Notification of Acceptance:**  
**30 June 2015**

**Final Paper Submission Deadline:**  
**31 July 2015**

**Paper Submission at the ICCE-Berlin website** [www.icce-berlin.org](http://www.icce-berlin.org)

**IEEE 2015 ICCE-Berlin website: <http://www.icce-berlin.org>**

## Keynote Speakers

Tom Coughlin,  
Coughlin Assoc., US  
Jacob Fahrenkrug,  
yetu, DE  
Josep Guerrero,  
Univ. of Aalborg, DK  
Brian Markwalter,  
CE Association, US  
More coming soon



Within the above subject areas or domains, the IEEE 2015 ICCE-Berlin especially requests contributions on the following subjects:

### Audio and Video Technology

- DVBT and HDTV
- Audio Image and Video Processing
- Audio-Visual Recording and Storage
- Display Systems
- HD, UHD and 3D Video
- Smartphone
- Universal Touch Pad Application

### Entertainment and Games

- Silver Games
- Video Handheld
- IPTV-Game System
- Networked AV/Multimedia

### Car Electronics

- Automotive Computing
- AV & In Car Networking
- Driver Assistance
- Automotive Entertainment

### Consumer Networks

- Smart Home
- Home Networking, Home Gateways
- Emerging Network Architectures
- Networking Standards
- Security and Privacy
- Data in the Cloud

### RF & Wireless

- Antennas
- Modulation and Coding
- Software Radio
- Spectrum Usage
- Channel Equalization, MiMo, Diversity
- Mobile Reception

### Human-Device Interaction

- User Centered Design
- Usability/Accessibility
- Haptics

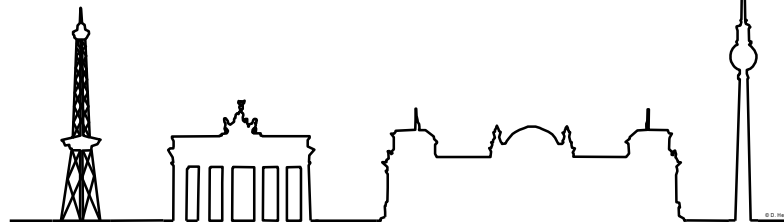
### Sports, Wellness and Home Healthcare

- Ambient Assisted Living
- Support systems for people with special demands
- Vital Parameter Monitoring
- Personal Robotics

### Smart Energy

- Energy Harvesting and Efficiency
- Energy Generation, Storage and Management
- Smart Energy Devices and Apps
- Smart Grid & CE

### Product Safety Engineering



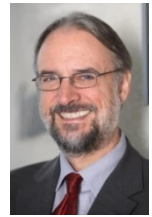
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Michael Zeifman, US  
Wei Zeng, US  
Bo Zhao, CN



## Tutorials

Karlheinz Brandenburg,  
Fraunhofer/TU  
Ilmenau, DE: "Audio  
and Acoustics Signal  
Processing: the Quest  
for High Fidelity  
Continues"

More coming soon

**Doctoral Workshop**  
for PhD students and  
**Young Professionals Short Course:**  
see more at

[www.icce-berlin.org](http://www.icce-berlin.org)

## International Advisors

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