The IEEE Consumer Electronics (CE) Society is soliciting technical papers for oral and poster presentations at their 8th annual conference, IEEE International Conference on Consumer Electronics (ICCE) in Berlin, Germany. ICCE Berlin is the established forum for innovative research in all areas of consumer electronics and is co-located with the International Trade Show on Consumer Electronics (IFA). The theme of ICCE Berlin 2018 is “Intelligence and Security at Home: The next Generation of Consumer Electronics”. Topics consistent with this theme include all aspects of IOT, deep learning personal assistants, foundation technologies and robust architectures that support privacy, reliability, anti-counterfeiting, authentication, content protection for consumer electronics devices, their networks, and the services connected to these devices.

Paper contributions are sought in but are not limited to following areas:

1) Security and Privacy of CE Hardware and Software Systems (SPC)
2) Energy Management of CE Hardware and Software Systems (EMC)
3) Application-Specific CE for Smart Cities (SMC)
4) RF, Wireless, and Network Technologies (WNT)
5) Internet of Things and Internet of Everywhere (IoT)
6) Entertainment, Gaming, and Virtual and Augmented Reality (EVG)
7) Automotive CE Applications (CEA)
8) CE Sensors and MEMS (CSM)
9) Consumer Healthcare Systems (CHS)
10) Enabling and HCI Technologies (HCI)
11) Smartphone and Mobile Device Technologies (MDT)
12) Artificial Intelligence (AI) and Deep Learning (DL) Applications in CE

In addition to regular oral and poster sessions based on the above tracks, ICCE Berlin 2018 will have many special sessions on current hot topics related to CE. It will feature a students and young professionals research forum as an integral part. The organizing committee invites proposals for special sessions, industry tracks, and expert panels. These proposals as well as the research forum papers can be submitted at the following EDAS link.

Authors are invited to submit original, unpublished manuscripts of 2- to 6-page length at https://edas.info/newPaper.php?c=24547. Previously published papers or papers under review for other conferences/journals should not be submitted for consideration. Authors may prepare original work of maximum 6 pages with a 200-word abstract using double-column IEEE conference-format template: http://www.ieee.org/conferences_events/conferences/publishing/templates.html.

All accepted papers (including regular papers, special session papers and research forum papers) will be published in the ICCE Berlin 2018 Digest or Proceedings and submitted to IEEE Xplore. Instructions for authors and document templates are available on the conference website. A selected set of papers from ICCE Berlin 2018 program will be invited for re-submission to special issues of peer-reviewed journals (e.g. IEEE CE Magazine) based on reviewer’s feedback and quality of conference presentation.

Important Dates of ICCE Berlin 2018 are the following:

Submission Deadline: May 21, 2018 | June 18, 2018
Acceptance Notification: June 15, 2018 | July 13, 2018
Submission of Final Version: July 7, 2018 | July 31, 2018