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## Call for Papers

The International Design and Test Symposium is an IEEE-sponsored technical event devoted to exploring emerging challenges and novel concepts related to the design, test, automation, and reliability of electronic systems ranging from integrated circuits through multi-chip modules and printed circuit boards to full systems. IDT is a unique forum to discuss best practices and novel ideas in design methods, tools, test, and reliability in the Middle East and Africa (MEA) region. The Symposium is initiated by and in affiliation with the IEEE TTTC (Test Technology Technical Council) and the 2017 edition is organized by Kuwait University (KU). It is also technically sponsored by IEEE CEDA (Council on Electronic Design Automation). The official language of the conference is English. Topics of interest include but are not limited to:

### Design Methods and Tools

- IP and SOC Design
- Multiprocessor/Multi-core Systems
- Embedded Systems
- DFX
- Analog, Mixed Signal and RF Design
- High Speed Circuits Design
- Design of MEMS and MOEMS
- Low Voltage and Low Power systems
- Innovative Technologies
- Real Time Systems
- Simulation, Validation & Verification
- System Specification and Modeling
- Formal Methods and Verification
- System Design/Synthesis/Optimization

### Test and Reliability

- Automotive Reliability & Test
- IP and SOC Testing
- Multiprocessor/Multi-Core Systems Test
- Memory & FPGA Test & Repair
- Internet of Things Test
- High Speed, Analog, Mixed Signal & RF Testing
- MEMS/MOEMS Testing
- Defect and Fault Modeling
- DFT, BIST and BISR
- On-line Testing / Fault Tolerance
- Fault Simulation, ATPG
- Reliability Failures/ Modeling
- Circuit Reliability
- Electronic System Reliability

**Regular Submissions:** IDT'17 invites original, unpublished paper submissions. Paper submissions should be complete manuscripts, not exceeding six pages (inclusive of figures, tables, and bibliography) in a standard IEEE two-column format. Authors should clearly explain the significance of the work, highlight novel features and describe its current status. All submissions are to be made electronically through the IDT'17 website. Detailed instructions for submissions are to be found at the IDT'17 website. A submission will be considered as evidence that, upon acceptance, the author(s) will prepare the final camera-ready version of the paper in time for inclusion in the proceedings, and will present the paper at the conference. All papers will be taken into consideration for the **IDT 2017 Best Paper Award**. In addition, a set of best papers will be considered for **IEEE Design & Test**.

**Special Session proposals:** IDT'17 solicits Special Sessions, such as (a) Hot-Topic session addressing and discussing the challenges in topics of interest to the symposium, (b) Embedded tutorials introducing and discussing topics of interest to the attendees, (c) Panels discussing visionary and/or controversial issues. Special Session proposals consist of an extended summary (up to 1500 words) as PDF file, describing the session content and format, and must be submitted electronically through the IDT'17 website.

**Publications:** IDT'17 will produce a Formal Proceedings of accepted papers, published by the IEEE Xplore. The proceedings will be available to all participants during the symposium.

### Important deadlines:

- **Extended Paper submission:** ~~September 29, 2017~~ **October 15, 2017**
- **Extended Special sessions and tutorials proposals:** ~~September 29, 2017~~ **October 15, 2017**
- **Notification of acceptance:** **October 27, 2017**
- **Camera-ready manuscript:** **November 17, 2017**

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