Call for Papers

The IEEE European Test Symposium (ETS) is Europe’s premier forum dedicated to presenting and discussing scientific results, emerging ideas, applications, hot topics and new trends in the area of electronic-based circuits and system testing, reliability, security and validation. In 2019, ETS will take place in the Congress Center in Baden-Baden. It is organized by the Karlsruhe Institute of Technology (KIT), which co-sponsors the event jointly with the IEEE Council on Electronic Design Automation (CEDA). In addition to scientific paper submissions, this year ETS also offers an embedded workshop track dedicated to work in progress and case studies as well as a PhD forum. The special track on Emerging Test Strategies (ETS’) will again focus on upcoming problems and ideas in an industrial context. A Test Spring School will be organized in conjunction with ETS’19.

You are invited to participate and submit your contributions to ETS’19. The areas of interest include (but are not limited to) the following topics:

- Analog, Mixed-signal and RF Test
- Fault Tolerance
- Security Issues in Test
- ATE Hardware and Software
- Hardware Trojans
- Self-Repair
- Automatic Test Generation
- Hardware Security
- Signal Integrity Test
- Board Test and Diagnosis
- High-Speed I/O Test
- Stacked or 3D ICs Test
- Boundary Scan Test
- GPU Test
- Standards in Test
- Built-In Self-Test (BIST)
- Low-Power IC Test
- System Test
- Current-Based Test
- Memory Test and Repair
- SiP and SoC Test
- Defect-Based Test
- MEMS Test
- Test Synthesis
- Delay and Performance Test
- Microprocessor Test
- Test Quality
- Dependability and Functional Safety
- Multi-/Many-core Processor Test
- Thermal Issues in Test
- Design for Test (DFT)
- Nanotechnology Test
- Power IC Test
- Test on-line Test
- Power Issues in Test
- Hardening and Trojans
- Failure Analysis
- Design for Reliability
- Security Issues in Test
- Fault Modeling and Simulation
- Reliability-Security Trade-offs
- Yield Analysis and Enhancement

Publications – ETS’19 will produce Formal Proceedings of scientific papers as well as an Informal Digest of papers including additional material. The Best Paper Award of ETS’19 will be presented at ETS’20.

Submissions – ETS’19 seeks original, unpublished contributions of the following types:
- Scientific papers for the Formal Proceedings, presenting novel and complete research work.
- Extended Abstracts for Embedded Workshop papers including ‘work in progress’ and ‘case studies’.
- Contributions for the PhD forum (deadline in March 2019).
- Contributions for ETS’.
- Proposals for panels, embedded tutorials, and other special sessions.
- Vendor presentations focusing on new features of test related products.

Detailed submission information and guidelines are posted on the ETS’19 web page. The ETS’19 organizing committee strongly encourages the organization of fringe meetings and workshops. Details can be found on the ETS’19 web page.

Key Dates:
- Submission deadline: December 11, 2018
- Notification of acceptance: February 15, 2019
- Camera-ready manuscript: March 22, 2019

Further Information:
- Mehdi Tahoori – General Chair
- Sybille Hellebrand – Program Chair
- Karlsruhe Institute of Technology
- Paderborn University
- E-Mail: mehdi.tahoori@kit.edu
- E-Mail: sybille.hellebrand@uni-paderborn.de