

## ITC 2022 Submission Instructions

The submitted manuscripts should follow the IEEE conference paper format as described in <https://www.ieee.org/conferences/publishing/templates.html>, where templates for Word and Latex are provided. The IEEE ITC 2022 Call-for-Papers is given in the next page. Each regular paper should be 6~10 pages in Letter size. Shorter industrial practices papers (3~5 pages) are also possible as described below.

### **About the Special Industrial Case-Study Track**

This year we have a new track called "Industrial Case Studies" and this track is dedicated to authors from the industry. **Industry cases where experimentation, analysis and/or invention has been done to solve one or more specific, real-life challenges are solicited.** This year we **encourage industrial papers to be submitted as a regular paper (6~10 pages)** to this special Industrial Case Study track.

### **About the Industrial Practices – Short paper category**

If an industrial author still prefers to submit a shorter paper, please use this track when submitting the paper. Each submission should be 3~5 pages. If it is accepted, please note that a short paper will have a presentation time shorter than a regular paper.



# 2022 INTERNATIONAL TEST CONFERENCE

SEPTEMBER 26 - 29, 2022

Disneyland, CA, USA

## Call for Papers

The International Test Conference (ITC) is the world's premier venue dedicated to the electronic test of devices, boards and systems—covering the complete cycle from design verification, design-for-test, design-for-manufacturing, silicon debug, manufacturing test, system test, diagnosis, reliability and failure analysis, and back to process and design improvement.

Emerging technologies in design and manufacturing will require new test solutions. Artificial Intelligence (AI) and the need for trustworthy devices are providing both new challenges and new opportunities for off-chip and on-chip test. At the same time, more stringent quality requirements, especially in automotive applications, are requiring more efficient test, debug, monitoring, and repair techniques that can transfer to the field.

Authors are invited to submit original, unpublished papers describing recent work in the field of testing and testable design. Of particular interest are works dedicated to the topics listed on the right and/or works focused on special tracks such as Automotive, 5G/6G, AI, or Security. Authors are also invited to submit practical, industry oriented papers. A special **industrial case-study track** is dedicated to papers that enable others to learn best industrial practices. Submissions simultaneously under review or accepted by another conference, symposium or journal, will be summarily rejected. The submission is through the EasyChair paper submission system.

### Submissions must include:

- Title of paper.
- Name, affiliation, e-mail address of each author.
- The corresponding author(s). ITC will communicate with the corresponding author(s).
- One or two topic(s) from the topic list, or a description of your topic.
- An electronic copy of a complete paper of 6~10 pages for regular papers (including Industrial case-study papers) or 3~5 pages for short Industrial Practices papers.
- An abstract of 35 words or less to be entered online.

ITC maintains a competitive selection process for technical papers. Submissions must clearly describe the status of the reported work, its contribution, novelty and/or significance. Supporting data, results (priority is often given to papers with results from real designs) and conclusions, and references to prior work must also be included. ITC does not accept submissions that do not meet the specified criteria.

<b>Paper title/abstract due:</b>	<b>March 14, 2022</b>
<b>Paper final PDF due:</b>	<b>April 11, 2022 =&gt; updated</b>
<b>Author notification:</b>	<b>June 6, 2022</b>
<b>Final manuscript due:</b>	<b>July 11, 2022</b>

Authors are also invited to submit a **single-page** poster proposal. Posters are a useful way of presenting late-breaking results, getting feedback on an innovative method, or participating without having to write a full paper. Acceptance as a poster does not preclude submission of a more complete work as an ITC paper in 2023. Additional information on poster submissions will be provided on the ITC web page.

<b>Poster submission deadline:</b>	<b>June 13, 2022</b>
<b>Author notification:</b>	<b>July 7, 2022</b>

Test Week tutorial and workshop proposals are also welcomed. Deadlines and other information about proposals can be obtained from TTTC at: <http://tab.computer.org/ttc>

**For detailed information** about the submission process, requirements and deadlines, the selection process and any other questions regarding the program itself or contact information, please consult the ITC web site at <http://www.itctestweek.org>.

*ITC invites submissions on the latest advances in test, validation, diagnosis and security of IPs, ICs, boards and systems.*

### Topics of interest include, but not limited to:

3D/2.5D Test  
5G/6G Test  
Adaptive Test in Practice  
AI/Machine Learning in Test  
ATE/Probe Card Design  
Automotive Test  
Advances in Boundary Scan  
Built-In Self-Test  
Data Driven Test Methods  
Defect-oriented Testing  
Design for Test  
DFM and Test  
Diagnosis  
Economics of Test  
End-to-End Data Analysis  
End-to-End System Security  
Emerging Defect Mechanisms  
Field Monitoring, Test, & Debug  
Hardware Security and Trust  
IoT Testing  
Jitter, High-Speed I/O and RF Test  
Known-Good-Die Test  
Memory Test and Repair  
MEMS Testing  
Mixed-Signal and Analog Test  
New Technologies and Test  
Online Test  
Pre-Silicon/Post-Silicon Verification  
Power Issues in Test  
Protocol-aware Test  
Quantum Device Testing  
Reliability and Resilience  
SoC/SiP/NoC Test  
Silicon Debug  
Simulation and Emulation  
System Test (Applications)  
System Test (Hardware/Software)  
Test Compression  
Test-to-Design Feedback  
Test Escape Analysis  
Test Flow Optimizations  
Test Generation and Validation  
Test Resource Partitioning  
Test Standards  
Testing High Speed Optics/Photonics  
Timing Test  
Yield Analysis and Optimization