

# Test Technology Newsletter

August 2023



The Newsletter of the Test Technology Technical Community  
of the IEEE Computer Society

Editor: Stefano Di Carlo

## TTTC News

The TTTC website always lists the latest features and information for its visitors! To find out more, please visit the website at <http://www.ieee-tttc.org/>.

## PAST EVENT REPORT

### The 29th IEEE International Symposium on On-Line Testing and Robust System Design (IOLTS) 2023

July 3rd - 5th, 2023  
Chania (Crete), Greece  
<https://iolts.tttc-events.org/>

The International Symposium on On-Line Testing and Robust System Design (IOLTS) is an established forum for presenting novel ideas and experimental data on issues related to Online testing techniques, and more generally to design for robustness.

The 29th edition of the IOLTS Symposium was held in Chania (Crete), Greece. The Symposium was sponsored by the IEEE Council on Electronic Design Automation (CEDA) and by the IEEE Computer Society Test Technology Technical Council (TTTC). The 2023 edition was organized by the University of Athens and Politecnico di Torino.

### Design Automation Conference (DAC) 2023

July 9-13, 2023  
San Francisco, CA (USA)  
<https://www.dac.com/>

For 60 years, DAC has been the premier destination for the entire ecosystem devoted to the design and design automation of electronic circuits and systems. DAC offers the electronic design ecosystem outstanding education, training, exhibits and networking opportunities for a worldwide community of chip & system designers, researchers,

academics, executives, and electronic design tool vendors to engage and reconnect.

The 2023 edition of DAC was sponsored by the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronics Engineers (IEEE) and is supported by ACM's Special Interest Group on Design Automation (SIGDA) and IEEE's Council on Electronic Design Automation (CEDA).

### IEEE International Test Conference India (ITC INDIA) 2023

July 23-25, 2023  
Bengaluru, India  
<https://itctestweekindia.org>

International Test Conference 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. At ITC India, design, test, and yield professionals can confront challenges faced by the industry, and learn how these challenges are being addressed by the combined efforts of academia, design tool and equipment suppliers, designers, and test engineers.

## CLOSED EVENTS

### The 7th IEEE International Test Conference in Asia (ITC-Asia) 2023

Sep.12-14, 2023  
Kunibiki Messe (Shimane Prefectural Convention Center), Matsue, Japan  
<https://www.itc-asia.info.hiroshima-cu.ac.jp/2023/>

With the test technology facing its grand challenges to ensure the quality of ICs and electronic systems incorporating more

and more sophisticated manufacturing processes and system integration technologies in various emerging applications such as Internet of Things, cloud computing, automotive electronics, etc., global proliferation and cooperation is increasingly more important.

International Test Conference (ITC) has been a flagship conference in test technology since 1970. With an attempt to stimulate more discussion and interaction between the academia and the industry around the globe, the 1st ITC in Asia (ITC-Asia) was initiated in Taipei in 2017, and the 7th ITC-Asia will be held in Shimane Japan in 2023.

### **The 32nd IEEE Asian Test Symposium (ATS) 2023**

Oct.14-17, 2023

Beijing, China

<https://ats2023.casconf.cn>

With the test technology facing its grand challenges to ensure the quality of ICs and electronic systems, incorporating more and more sophisticated manufacturing processes and system integration technologies in various emerging applications such as Internet of Things, cloud computing, automotive electronics, etc., global proliferation and cooperation is increasingly more important.

The Asian Test Symposium (ATS) provides an open forum for researchers and industrial practitioners from all countries of the world to exchange innovative ideas on system, board, and device testing with design, manufacturing, and field consideration in mind.

ATS 2023, the 32nd in the series, will be held in Beijing China.

### **The IEEE International Test Conference (ITC) 2023**

8-13 October 2023

Hybrid, Disneyland Anaheim, CA

<http://www.itctestweek.org/>

International Test Conference, the cornerstone of Test-Week™ events, is the world's premier conference dedicated to the electronic test of devices, boards and systems-covering the complete cycle from design verification, test, diagnosis, failure analysis and back to process and design improvement. At ITC, test and design professionals can confront the challenges the industry faces, and learn how these challenges are being addressed by the combined efforts of academia, design tool and equipment suppliers, designers, and test engineers.

In 1970, engineers facing the test challenges posed by the then-novel semiconductor memory device organized a symposium on IC testing. That meeting at the Rickshaw Inn in Cherry Hill, NJ drew a crowd of 147 people. That

symposium is now a week-long conference attended by more than 2,000 engineers from around the world including sister ITC conferences in India and Asia.

In its fifty-year history, International Test Conference has become the world's leading electronics test conference. No other industry has changed as much – or changed the world as much – in those fifty years as semiconductor technology. ITC has kept pace, always seeking to develop new and innovative ways to fulfill its primary objective: the exchange of technical information.

### **UPCOMING PAPER SUBMISSION DEADLINES**

#### **Design, Automation and Test in Europe Conference (DATE) 2024**

25 - 27 March 2024

Valencia, Spain

<https://www.date-conference.com/>

Submission deadline: Sep. 17<sup>th</sup>, 2023

#### **IEEE International Symposium on Hardware Oriented Security and Trust (HOST) 2024**

May 2024

Washington DC, USA

<http://www.hostsymposium.org/>

Submission deadline: Dec. 18<sup>th</sup>, 2023

#### **IEEE VLSI Test Symposium (VTS) 2024**

April 22 - 24, 2024

Tempe AZ, USA

<https://tttc-vts.org/>

Submission deadline: Oct. 9<sup>th</sup>, 2023

#### **IEEE European Test Symposium (ETS) 2024**

May 27 - 31, 2024

Tempe AZ, USA

<https://tttc-vts.org/>

Submission deadline: Dec. 8<sup>th</sup>, 2023

### **NEWSLETTER EDITOR'S INVITATION**

I would appreciate input and suggestions about the newsletter from the test community. Please forward your ideas, contributions, and information on awards, conferences, and workshops to Stefano Di Carlo, Control and Computer Engineering Department, Politecnico di Torino, I-10129, Torino, Italy; [stefano.dicarlo@polito.it](mailto:stefano.dicarlo@polito.it).

**Stefano Di Carlo**

**Editor, TTTC Newsletter**

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**CONTRIBUTIONS TO THIS NEWSLETTER:**

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