PRELIMINARY CALL FOR PAPERS

LATS2027



28th IEEE LATIN-AMERICAN TEST SYMPOSIUM

Lima, Peru, 13th - 16th April 2027

www.lats.tttc-events.org

28th IEEE LATIN-AMERICAN TEST SYMPOSIUM
Lima, Peru, 13th - 16th April 2027

LATS2027

PRELIMINARY CALL FOR PAPERS

The IEEE Latin-American Test Symposium (LATS) is a recognized 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, and security. LATS is attended by professionals from all over the world, in particular from Latin-America. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements and the best papers of its 28th edition will be invited to re-submit to IEEE Design&Test, Journal of Design of Integrated Circuits and Systems (TCAD).

TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO

- Analog Mixed Signal Test
- Automatic Test Generation
- Built-In Self-Test
- Defect-Based Test
- Design and Synthesis for Testability
- Design for Electromagnetic Compatibility
- Design for Reliable Embedded Software
- Design Verification / Validation
- Economics of Test
- Fault Analysis and Diagnosis
- Fault Modeling and Simulation
- Fault-Tolerance in HW/SW
- Fault-Tolerant Architectures
- Memory Test and Repair
- On-Line Testing
- Radiation / Electromagnetic Interference
- Hardening Techniques
- Software Fault-Tolerance
- System-on-Chip Test
- Test Resource Partitioning
- Yield Optimization
- Hardware Security

PAPER SUBMISSION INFORMATION

To encourage and facilitate discussions, participation will be limited. Those interested in presenting recent results at the symposium are invited to submit an extended abstract (one to three pages) or a full paper (six pages). PDF electronic submissions must be done via the symposium's webpage: www.lats.tttc-events.org

Authors should send papers in the IEEE conference format. Detailed instructions are available at the symposium's webpage. The Program Committee also welcomes proposals for panels and special sessions.

For additional information, please contact our Program Co-Chairs:
Leticia Bolzani Poehls – IHP, Germany – leticia @ poehls.com
Ernest Sanchez – Politecnico di Torino - ernesto.sanchez @ polito.it

Submission Deadline (Title and Abstract): November 6th, 2026
Submission Deadline (Full Paper): November 13th, 2026
Notification of Acceptance: January 11th, 2027
Camera Ready: January 25th, 2027

Lima, the vibrant capital of Peru, offers an exceptional setting for international exchange and professional dialogue. Renowned for its stunning Pacific coastline, world-class culinary scene, and rich architectural heritage, the city blends tradition with innovation in a uniquely dynamic atmosphere. From its UNESCO-listed historic center to modern business districts and thriving cultural life, Lima provides visitors with a memorable experience defined by hospitality, creativity, and global connectivity.

Financial Sponsor:
CEDA IEEE Council on Electronic Design Automation

Technical Sponsors:
The Institute of Electrical and Electronics Engineering, Inc.
tttc Test Technology Technical Council

Organized by:
INAOE National Institute of Astrophysics, Optics and Electronics

General Co-Chairs
Victor Champac -
Yervant Zorian - Synopsis, USA

Vice General Chair
Carlos Silva Cardenas - Pontificia Universidad Católica del Perú, Peru

Local Co-Chairs
Jimmy Fernando Tarrillo - UTEC, Peru
Juan Tisza - National University of Engineering, Peru

Program Co-Chairs
Leticia Bolzani Poehls - IHP, Germany
Ernesto Sanchez - Politecnico di Torino, Italy

Embedded Tutorial Co-Chairs
Ioana Vatajelu - TIMA Laboratory, France
Angeliki Kritikakou - Rennes University, France

Special Session Co-Chairs
Graziano Pravadelli - University of Verona, Italy
Felipe Restrepo Calle - Universidad Nacional de Colombia, Colombia

Panel Co-Chairs
Fabian Luis Vargas - IHP, Germany
Marcelo Lubaszewski - UFRGS, Brazil

Student Activities Co-Chairs
Annachiara Ruospo - Politecnico di Torino, Italy
Cristina Meinhardt - UFSC, Brazil

Financial Co-Chair
Hector Villacorta - Universidad. Politécnica de Aguascalientes, Mexico

Web Chair
Giusy Iara - Politecnico di Torino, Italy

Publicity Co-Chairs
Nicolo Bellarmino - Politecnico di Torino, Italy

USA Liaison
Abhijit Chatterje - Georgia Tech, USA

Asia Liaison:
Xiaoqing Wen - Kyushu Institute of Technology, Japan

Europe Liaison:
Matteo Sonza Reorda - Politecnico di Torino, Italy