

PRELIMINARY CALL FOR PAPERS



 **LATS2023**

24th IEEE Latin-American Test Symposium

Veracruz, Mexico, 21st - 24th March 2023

www.lats.tttc-events.org

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 24th edition will be invited to re-submit to IEEE Design&Test, Journal of Electronic Testing: Theory and Applications (JETTA - Springer), and IEEE Transactions on Computer-Aided 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 – RWTH Aachen, Germany – leticia@poeahs.com
Ernesto Sanchez – Politecnico di Torino, Italy – ernesto.sanchez@polito.it

Submission Deadline (Title and Abstract): **Dezember 23rd, 2022**

Submission Deadline (Full Paper): **January 10th, 2023**

Notification of Acceptance: **January 31st, 2023**

Camera Ready: **February 7th, 2023.**

The harbor of Veracruz is a city founded in 1519 and located in the Mexican Gulf. It is easily reachable by road and plains. Veracruz is well known for its cultural diversity and the people's hospitality. The state of Veracruz offers wide biodiversity, beautiful beaches, riffs and a subtropical forest. Music is vital in the life of local people (known as "jarochos"). In their traditional music rhythms, we can find danzon, son, salsa, and marimba, among others. Veracruz is also known for having delicious cuisine. This results from fresh ingredients and cooking techniques based on the mixture of pre-Hispanic, European and African cultures. Besides, Veracruz is also a modern city with all the facilities for a pleasant stay.

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Astrophysics, Optics and
Electronics - INAOE

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