

Join us to celebrate the  
40<sup>th</sup> Anniversary of the VLSI Symposium!!

# FIRST ANNOUNCEMENT AND CALL FOR PAPERS 2020 SYMPOSIUM ON VLSI CIRCUITS

*The Next 40 Years of VLSI for Ubiquitous Intelligence*

Hilton Hawaiian Village, HONOLULU, Hawaii, USA

Monday – Friday, June 15-19, 2020

(June 15 Short Course,

June 16-18 Technical Sessions,

June 19 Friday Forum)

**Paper Submission Deadline: 23:59 PST Monday, February 10, 2020**

**For complete conference, author, and registration information, visit:**

**<http://www.vlsisymposium.org>**

## Scope

The Circuits Symposium is placing special emphasis on several Innovative System focus areas, and encourages paper submissions on:

- Machine and deep learning
- FPGA-based accelerators
- Internet of Things
- Industrial electronics
- Big Data management
- Biomedical applications
- Robotics and autonomous transportation

In addition, submissions are welcomed in all of the following circuits areas:

- Processors, SoCs, and Machine Learning
- Digital circuits, signal integrity, and IOs
- Hardware security
- Memory circuits, architectures, and interfaces
- Biomedical circuits
- Sensors, imagers, and display circuits
- Power conversion circuits
- Analog, amplifier and filter circuits
- Wireless receivers and transmitters
- Data converters
- Frequency generation and clock circuits
- Wireline and optical transceivers

## Highlights

There will be a full four-day overlap between the co-located Symposia on VLSI Technology and Circuits, providing unique opportunities for interaction.

- Access to both Symposia with a single registration
- Joint Focus Sessions in the following areas:
  - Machine Learning
  - Design in scaled technologies
  - 3D and heterogeneous integration
  - Embedded memory technology & design
  - Design enablement

The Symposia also offer ample opportunities to network with colleagues in both technical areas

- Evening panels including a panel celebrating the past 40 years of VLSI Symposium and looking forward to the next 40
- Evening reception and joint banquet
- SSCS / EDS Women in Engineering & Young Professionals events

In addition to technical sessions, attendees participate in interactive events with authors, instructors, and experts from industry and academia

- Multiple short courses on a variety of relevant topics
- Demo session for outstanding papers
- Friday forum



**2020 VLSI**



**CIRCUITS  
SYMPOSIUM**

HONOLULU

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