SECOND 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)

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
- Circuit and Technology Joint Focus Sessions:
  - Silicon Photonics
  - 5G/mm-wave
  - Artificial Intelligence/Machine Learning
- System/Design-Technology Co-Optimization
- Heterogeneous Integration

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

- Rump Sessions:
  - 40 years of VLSI to enable the Future of Computing
  - The Future of Memory (and what can logic learn from it?)
- 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

Further Information

The Symposia website is the central resource for additional information, including details on paper submissions and Best Student Paper eligibility.

http://vlsisymposium.org