



First Call For Papers

2025 IEEE 16th International Conference on ASIC

Oct. 21-24, 2025, Crowne Plaza Hotel
Kunming, China

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2025 IEEE 16th International Conference on ASIC (ASICON 2025) will be held in Kunming, China, during Oct. 21-24, 2025. The conference is intended to provide an international forum for Integrated circuit designers, system integrators, IC manufacturers, process and device engineers, and CAD/CAE tool developers to present their latest progress, development and research results in their respective fields. The four-day event features keynote speeches, invited talks, regular paper presentations and tutorials, delivered by leading experts in the respective fields, on state-of-the-art Integrated circuits, design methodologies, devices, processes and manufacturing technologies. The Excellent Student Paper Award & Outstanding Young Scholar Paper Award will be announced at the conference. Additionally, an exhibition on EDA tools, foundry technologies, IC processing/testing facilities, and novel ASIC products will be held during the conference.

The Scope of the Conference

Papers are solicited in, but not limited to, the following:

I. Integrated Circuits and Design Techniques

[1] Analog IC

- > Amplifiers,
- > Data converters (ADCs and DACs)
- > Power management ICs and Energy Harvesting
- > Clock generator

[2] Digital IC

- > Low power technique
- > CPU, MCU, GPU, Embedded processors and DSP
- > Chaos/neural/fuzzy-logic circuits
- > Programmable devices (PLD, EPLD, HDPLD, FPGA, etc)
- > NOC

[3] Wireless, Wireline telecommunication and Optic Communication IC

- > RF block circuits (LNA, Mixer, PA, Integrated Antenna and Switches),
- > RF Transceiver (Transmitter, receiver, PLL in RF transceiver), RFID
- > millimeter-wave circuits
- > Seders
- > THz circuits,
- > Laser Driver, TIA, CDR

[4] Memory

- > DRAM & SRAM
- > Flash memory
- > Ferroelectric memory
- > Phase change memory, RRAM, MRAM
- > Novel memory

[5] Sensor, Image Processing and Bio-medical IC

- > Sensor circuits
- > Graph theory and computing
- > Biomedical circuits and systems
- > Wearable systems

[6] FPGA and DSP

- > FPGA architecture and circuits
- > Reconfigurable technique,
- > DSP architecture and circuits
- > FPGA and DSP application

[7] Special application IC

- > Automobile IC,
- > Anti-Radiation IC
- > Ultra-High Voltage Circuits

[8] Design for Testing

- > Digital/analog/mix-signal testing
- > Design for testability and reliability

