



# 2024 International Conference on Analog VLSI Circuits (AVIC 2024)

## Kuala Lumpur, Malaysia, October 15 – 17, 2024

### Honorary Chair

**Nordin bin Ramli**, Chair of IEEE Malaysia Section / Mimos Bhd., Malaysia

### General Co-Chairs

**Fujihiko Matsumoto**, National Defense Academy, Japan

**Nazrul Anuar bin Nayan**, Universiti Kebangsaan Malaysia (UKM), Malaysia

### General Secretaries

**Yasuhiro Takahashi**, Gifu University, Japan

**Norhisam bin Misoni**, Universiti Putra Malaysia (UPM), Malaysia

### Technical Program Committee Co-Chairs

**Akira Yasuda**, Hosei University, Japan

**Mohd Azraie bin Mohd Azami @ Mohd Azmi**, Universiti Kuala Lumpur (UniKL), Malaysia

### Technical Program Committee Secretary

**Ryo Kishida**, Toyama Prefectural University, Japan

### Publication Chair

**Kawori Sekine**, Meiji University, Japan

### Publicity Co-Chairs

**Toshihiko Hamasaki**, Hiroshima Institute of Technology, Japan

**Mohd Norulhisyam bin Hassan**, Politeknik Melaka Malaysia, Malaysia

### Local Arrangement Co-Chairs

**Noor Hidayah binti Mohd Yunus**, UniKL, Malaysia

**Jahariah binti Sampe**, UKM, Malaysia

### Financial Co-Chairs

**Soichiro Ohyama**, SiTime Japan, Japan

**Mohd Zubir bin Suboh**, UniKL, Malaysia

### Important Dates

Paper Submission Deadline:

~~June 30, 2024~~

**July 12, 2024 (Extended)**

Author Notification Due:

**August 8, 2024**

Registration Starts:

**September 1, 2024**

Final Paper Submission Deadline:

**September 10, 2024**

Conference:

**October 15– 17, 2024**

Contact:

<https://avic2024.org/>

### Scope

The Research Committee on Electronic Circuits of the Institute of Electrical Engineers of Japan (IEEJ) in cooperation with Universiti Kebangsaan Malaysia (UKM) and Universiti Kuala Lumpur (UniKL) will hold 2024 International Conference on Analog VLSI Circuits (AVIC) in Kuala Lumpur, Malaysia on October 15 –17, 2024.

AVIC is the successor of International Analog VLSI Workshop, which had been held for 27 years. The purpose of this conference is to discuss state-of-the-art ideas and results from researches on analog VLSI circuits and their applications. It has contributed to long-standing worldwide community of analog VLSI circuit experts in industry and academia.

### Topics

AVIC 2024 covers topics related to analog and mixed-signal integrated circuits including but not limited to:

- Analog and Mixed-signal Integrated Circuits: Amplifiers, Filters, Comparators, Oscillators, Multipliers, PLLs, RF ICs, Voltage/Current References, Sample-And-Hold Circuits, A/D and D/A Converters, High Speed IO Interface, Energy Harvesting, Power Management
- Analog VLSI Design Automation: Layout, Simulation, HDL, Analog IP
- Signal/Information Processing and Applications: Communication, Multimedia, Automotive Electronics, Biomedical Electronics, Consumer Electronics, Non-linear Signal Processing, Neural Network, Sensing and Sensor Networks, Space Electronics
- Digital Circuits and Digital Signal Processing

### Paper Submission

Paper submission is accepted via the official website <https://avic2024.org/>. Authors are required to submit a full paper in English, in IEEE format, along with information including paper title, author name(s), affiliation(s) of author(s), and the corresponding author (name, postal and e-mail addresses). Notification will be sent to the authors via e-mail. Accepted papers must be resubmitted as the final (camera-ready) ones. At least one of the authors of a paper must register and give a presentation at the conference.

Visit AVIC 2024 website for additional information:

<https://avic2024.org/>

### Conference Venue

Perdana Kuala Lumpur City Centre  
10, Jalan Binjai, 50450 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia

<https://perdana.attanahotels.com/perdana-klcc/>

### Organizers



IEE of Japan



Universiti Kebangsaan Malaysia (UKM)



Universiti Kuala Lumpur (UniKL)



IEEE Malaysia Section



IEEE Malaysia Section

### Sponsors



IEEE SSCS



IEEE CASS

Japan Chapter Japan Joint Chapter