AWAD 30th Anniversary

2023 Asia-Pacific Workshop on Advanced Semiconductor Devices (AWAD)

https://www.ieice.org/es/sdm/jpn/awad2023/

July 10–11, 2023

Tokyo Institute of Technology, Yokohama, Japan

First Call for Papers

2023 Asia-Pacific Workshop on Advanced Semiconductor Devices (AWAD 2023) will be held from July 10 (Mon) to 11 (Tue), 2023. This year marks the 30th anniversary of the AWAD, which has been held alternately in Japan and Korea since 1993 as the Workshop on Advanced LSI's and Devices, and as the Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices since 2000. The workshop has been renamed as the Asia-Pacific Workshop on Advanced Semiconductor Devices with the 30th anniversary. The purposes of this workshop are to bring scientists and engineers together, actively engaged in advanced semiconductor devices and materials, and to discuss the present and future device processing and related technologies. The workshop will cover the entire field of semiconductor devices and materials, from fundamental physics to recent improvements in device performance and processing technology.

Sponsored by

The Institute of Electronics and Information Engineers (IEIE), in cooperation with Electronics Society, The Institute of Electronics, Information and Communication Engineers of Japan (IEICE-ES).

Topics to be discussed will include, but not necessarily be limited to, the following areas:

- Advanced semiconductor technologies
- Characterization and simulation
- Compound semiconductor and wide bandgap devices
- Nano, 2D materials, wearable devices
- Neuromorphic devices and computing technologies
- MOS logic and memory devices
- Quantum devices and computing technologies
- Optoelectronics, displays, and imagers
- Power electronic devices

Abstract submission

Prospective authors must submit 2-page maximum camera-ready paper (including figures and tables) for the technical digest with author information via the workshop website no later than March 31, 2023.

Venue

The workshop will be held at the Suzukake Hall (3rd floor) located at the Suzukakedai Campus of Tokyo Institute of Technology in Yokohama.
*5 min walk from Suzukakedai station, Tokyu Den-en Toshi Line.

Important Dates (KST, JST):

Paper submission start	Jan. 14, 2023
Paper submission due	March 31, 2023
Acceptance notification	May 27, 2023
Author registration due	May 27, 2023
Advance registration due	June 19, 2023

For inquiries from Japan and other countries:

Taiji Noda (Panasonic)

E-mail: noda.taiji@jp.panasonic.com

Phone: +81-70-2917-5991

Takuji Hosoi (Kwansei Gakuin Univ.)

E-mail: hosoi.takuji@kwansei.ac.jp

Phone: +81-79-565-7129 (ext. 3911)

For inquiries from Korea:

Il Hwan Cho (Myongji Univ.)

E-mail: ihcho77@mju.ac.kr

Phone: +82-31-330-6380

Myounggon Kang (Korea Nat'l Univ. of Transportation)

E-mail: mgkang@ut.ac.kr

Phone: +82-43-841-5164

IEICE Transactions on Electronics (IEICE-C) / Special issues in Journal of Semiconductor Technology and Science (JSTS)

Authors are encouraged to submit their extended manuscript to the special issue either in 'Journal of Semiconductor Technology and Science' or 'IEICE Transactions on Electronics' (SCIE journals). The submitted papers will be published via a peer-review process. Detailed information regarding the submission procedures will be announced at the workshop and conference website.

Language

The official language of the workshop is English.

Registration Fee

	Regular (JPY)	Student (JPY)	Senior (JPY)
Advance registration (June 17, 2023)	30,000	15,000	15,000
Regular registration (June 18~, 2023)	40,000	20,000	20,000

* Detailed information about registration is available at the workshop website: https://www.ieice.org/es/sdm/jpn/awad2023/

Organizing Committee

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Young Researcher Award

Young Researcher Award and Young Researcher Poster Award will be given to young researchers who authored and presented outstanding oral/poster presentations at AWAD2023.

1. Candidate should be the first author who is a student (checked "student" in his/her paper submission form at initial submission) and present his/her paper by him/herself.
2. Young Researcher Award recipients are decided by the AWAD committee members on the basis of the evaluation of the manuscript for the technical digests and presentation. The number of award recipients is two.
3. Each winner will receive a certificate and a gift.
4. The award ceremony will be held at the closing session on the final day. Each winner will be awarded by the workshop chairs.