



ISPSA 2024

The 21st International Symposium on the Physics of Semiconductors and Applications

June 2 (Sun.) ~ 6 (Thu.), 2024

Ramada Plaza Jeju Hotel, Jeju, Korea

Welcome Message

ISPSA 2024, organized by the Semiconductor Physics Division, The Korean Physical Society, aims to provide a sophisticated platform for the exchange of knowledge and discourse on the forefront of semiconductor physics and its diverse applications. Honoring the scientific heritage of traditional semiconductor physics with its roots tracing back to the 1970s, the 21st ISPSA aspires to embrace novel academic and industry domains including advanced semiconductors, quantum information, 2D semiconductors, AI, photonics, energy materials and devices, sensor and flexible electronics, and carbon nanostructure.

Call for Papers

ISPSA 2024 cordially invites you to submit your abstracts for oral and poster presentations. All abstracts will be reviewed by the program committee and assigned to the appropriate session based on research fields and program topics category. **The abstract should be submitted to the website (www.ispsa.or.kr) by Feb. 29, 2023.**

Important Dates

Abstract Submission	Feb. 29, 2023
Acceptance Notification	Mar. 31, 2024
Post-deadline Submission	May 6, 2024
Pre-registration Deadline	May 10, 2024

Symposium Topics

The topics will cover research and activities across all fields related to the physics of semiconductors and applications including, but not limited to, the following topics;

- ▶ Advanced Semiconductors
- ▶ Quantum Information and Technology
- ▶ 2D Semiconductors
- ▶ Artificial Intelligence Materials and Devices
- ▶ Photonics
- ▶ Energy Materials and Devices
- ▶ Quantum Materials and Devices
- ▶ Sensor and Flexible Electronics
- ▶ Industry
- ▶ Carbon Nanostructures and Standardization

Plenary Speakers



Andrew Cleland
(University of Chicago, USA)



Mercouri G. Kanatzidis
(Northwestern University, USA)



Victor I. Klimov
(Los Alamos National Laboratory, USA)



Kostya Novoselov
(National University of Singapore, Singapore)



Nam-Gyu Park
(Sungkyunkwan University, Korea)



Jonathan Rivnay
(Northwestern University, USA)

Hosted by



Semiconductor Physics Division
The Korean Physical Society

Publication

Authors whose abstracts are accepted will be invited to submit manuscripts to some of the highly recognized professional journals in related fields. Detailed Information can be found at <https://ispsa.or.kr/journal>.

Best Student Paper Award

To identify outstanding work by student participants, the Best Student Presentation award will be given for an excellent presentation of the conference, and award winner must be registered as a student and must be a student. The award is offered based upon an absolute standard of excellence and all student presenters will be considered eligible for the award.

Visit Jeju in 2024!

Jeju is the biggest island in Korea. Basalt rocks cover more than 90% area of this universal volcanic island. It is proud of its unique cultural folk heritage as well as its geographical and historical relevance. The island itself is an extinct volcano with its peak jutting skyward at the center and a broad, gentle littoral all the way around showing a unique geographical condition. There are bountiful forests and ravines, fantastic rock formations and volcanic craters, and caves and grasslands that together paint a natural scene of breathtaking beauty. Sparkling seas and tiny islets surround Jeju, with rocks scattering amidst sandy beaches to create a magnificent view everywhere you look. In 2007, the volcanic island and lava tube cave systems were designated as UNESCO World Natural Heritage Sites for their natural beauty and geographical value.

Visa-free Entry to Jeju Island

In order to encourage visitors to Jeju Island, a visa-free entry policy has been imposed to assist foreigners who will be arriving in Jeju Island on direct flights from overseas without stopping over at any other parts of Korea. Starting from September 1st, 2022, K-ETA will be required for ALL travelers entering the Republic of Korea including Jeju Island. More information can be VISA portal (<https://www.visa.go.kr/>) and K-ETA (<https://www.k-eta.go.kr/>).

Organizing Committee

Symposium Chairman	Jong Su Kim (Yeungnam University)
Vice-Chairman	Dong-Wook Kim (Ewha Womans University)
General Secretary	SeungNam Cha (Sungkyunkwan University)
General Vice-Secretary	Jongchul Lim (Chungnam National University) Jung Inn Sohn (Dongguk University)
Program	Hyunsik Im (Dongguk University) Mun Seok Jeong (Hanyang University) Heejun Yang (Korea Advanced Institute of Science and Technology) Su-Hyun Gong (Korea University)
Treasurer	Jungyup Yang (Kunsan National University) Jung Hwa Seo (University of Seoul)
Finance	Soobong Choi (Incheon National University, Korea) Jaesung Ahn (Korea Photonics Technology Institute) Kyung-Ho Park (Korea Advanced Nano Fab Center)
Publication	Kwangseuk Kyhm (Pusan National University) Young Tea Chun (Korea Maritime & Ocean University) A-Rang Jang (Kongju National University)
Communication	Ki Kang Kim (Sungkyunkwan University) Hye Sung Park (Korea University) Il-Kyu Park (Seoul National University of Science and Technology)
Local	Geon-Hyoung An (Gyeongsang National University) Clare C. Byeon (Kyungpook National University) Byungjin Cho (Chungbuk National University) John Hong (Kookmin University) Jang-Won Kang (Mokpo National University) Gee Yeong Kim (Korea Institute of Science and Technology) Tae-Wook Kim (Jeonbuk National University) Kyung-Geun Lim (Korea Research Institute of Standards and Science) Jiyoul Lee (Pukyong National University) Junhong Na (Kangwon National University) Hyemin Oh (Kunsan National University) Sangyeon Pak (Hongik University) Young-Jun Yu (Chungnam National Univiersity)



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