



# ICPS 2026

The 37th International Conference on the Physics of Semiconductors 2026



Keio Plaza Hotel, Shinjuku, Tokyo

August 16 - 21, 2026



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## CONFERENCE TOPICS

- Material growth, structural properties, and characterization (bulk, nanowires, dots)
- Wide-bandgap semiconductors and devices
- Semiconductors for terahertz and mid infrared
- Graphene, 2D materials
- Perovskites, organic semiconductors
- Topological states of matter, topological insulators, and Weyl semimetals
- Spintronics and spin-related phenomena
- Low-dimensional semiconductor systems (1D, 2D)
- Quantum Hall effect, fractional quantum Hall effect
- Optical properties of quantum dots and nanocrystals, optoelectronics, solar cells
- Nanophotonics, photonic crystals
- Quantum optics, quantum emitters, NV centers
- Quantum technologies: semiconductor qubits and applications, cryo-CMOS technologies
- Semiconductor hybrid systems, nano-mechanics, novel devices

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