

IPCL 2026

Asia Symposium on Intelligent Perception, Computing & Learning for Real-World Systems

August 19-21, 2026 in Istanbul, Türkiye

WELCOME TO IPCL 2026

Asia Symposium on Intelligent Perception, Computing & Learning for Real-World Systems (IPCL 2026) | Istanbul, Türkiye | August 19-21, 2026

Across robotics, medical imaging, remote sensing, industrial inspection, and AR/XR, the most critical challenges occur not within models themselves, but upstream and around them—at the sensor and optics, in timing and synchronization, bandwidth, latency, energy constraints, and in the handoff from perception to action. These are the signal-to-intelligence links that determine whether an algorithm is merely publishable or truly deployable.

IPCL 2026 is organized to advance this end-to-end science: signal + compute + learn + deploy. The symposium will bring together researchers in imaging, optics and photonics, and artificial intelligence, alongside experts in sensing and communications, embedded and edge computing, and machine learning, to explore the co-design of sensors, algorithms, and computational architectures under shared assumptions and measurable constraints. The symposium seeks to ground learning methods in the physics and statistics of data acquisition, and emphasizes validating ideas using real data, real-time sequences, and real operational scenarios, thereby enabling research outcomes to transition from the laboratory to real-world applications.

By focusing on the entire end-to-end pipeline, the conference aims to inspire new theoretical advances, improved datasets and benchmarks, practical toolchains, and robust systems that remain reliable as conditions change—from day to night, from the lab to the field, and from prototype to production.

IPCL 2026 will be held on **August 19-21, 2026** in **Istanbul, Türkiye**. We welcome contributions that treat imaging, optics, photonics and related sensing as first-class citizens in intelligent systems, and that report evidence beyond over-simplified lab or idealized simulation settings (e.g., via field data, hardware-in-the-loop, or deployment).



Important Dates

Submission deadline: May 18, 2026 (AoE)
Notification Deadline: June 19, 2026
Registration Deadline: July 24, 2026
Conference Date: August 19-21, 2026

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How to Register

Full papers/Abstracts could be registered with guidelines in the notification of acceptance only after they have been passed the review process.
Listeners could register directly.

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Submission

Please choose a way to submit, do not repeat the submission.
1) [OpenConf Submission System](#)
2) By email to: cfp@ipcl.asia
Duplicate submissions are not permitted.

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