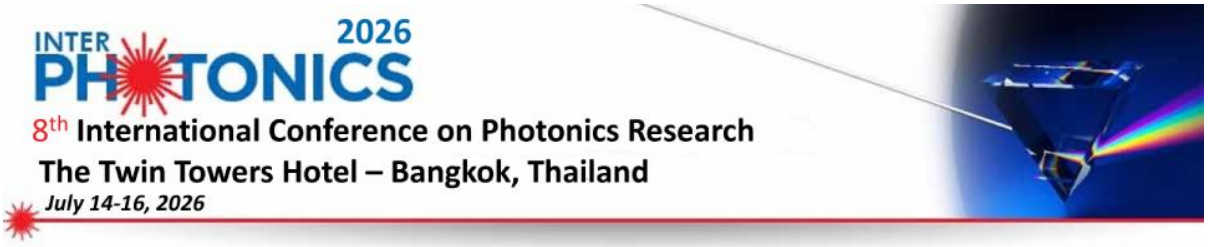

International Symposium on Solar Energy Conversion and Light–Matter Interaction

Photovoltaics • Perovskite Cells • Spectral Engineering

This international symposium will be organized within the scope of INTERPHOTONICS 2026 and aims to bring together researchers and engineers working at the intersection of photonics, materials science, and renewable energy technologies, with a focus on solar-energy conversion and fundamental light–matter interactions.

Scope:This symposium addresses a highly active and rapidly evolving research area combining photonics, material science, and renewable energy engineering. It focuses on improving solar-energy conversion efficiency, enhancing device stability, and advancing the understanding of light–matter interactions in photovoltaic and solar-driven energy systems.

Topics of interest include, but are not limited to:

- Perovskite solar cells and stability engineering
- Tandem and multi-junction photovoltaic architectures
- Photon recycling, spectral management, and light-trapping strategies
- Building-integrated photovoltaics (BIPV) and architectural applications
- Photocatalysis and solar-to-fuel conversion technologies

Applications: Research presented in this symposium is expected to contribute to a wide range of applications, including high-efficiency solar panels, clean and sustainable energy systems, energy-efficient and net-zero buildings, integrated photovoltaic structures, and photocatalytic reactors for solar fuel production.

Symposium Organization Opportunity: Researchers with strong expertise in photovoltaics, solar materials, spectral engineering, or solar-driven energy systems are warmly invited to take an active role in the organization of this symposium. Interested participants may serve as Symposium Chair or Co-Chair, contribute to shaping the technical program, invite keynote and invited speakers, and lead focused scientific discussions aligned with emerging trends in renewable energy technologies.

How to Apply as Symposium Chair: Researchers who wish to organize or chair this symposium are kindly invited to contact the Conference Chair with a brief statement of interest, including their research background, proposed focus areas within the symposium scope, and potential invited

speakers. All applications will be evaluated by the INTERPHOTONICS 2026 Organizing Committee.

Contact Information

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INTERPHOTONICS 2026 Website
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