



**2024 IEDM Conference Theme**  
**Shaping Tomorrow's  
Semiconductor Technology**



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# 2024 IEEE International Electron Devices Meeting

*December 7-11, 2024*

*Hilton San Francisco Union Square  
San Francisco, California*

IEDM is pleased to announce increased  
technical focus in the area of:

## **Optoelectronics, Displays and Imagers (ODI)**

### Topics

Papers are solicited in the following themes of interest:

- Heterogeneous optoelectronic integration including sources, modulators, or detectors
- Neuromorphic photonics
- Single photon emitters and detectors
- Luminescent devices based on new materials including perovskites and quantum dots
- Displays and imagers for augmented or virtual reality
- Holographic devices and displays
- Displays with unconventional form or size
- Photodetectors and imagers with new materials or flexible platform and printed electronics
- Imagers with ultra-miniaturized pixels, spectral bandwidth beyond visible, high sensitivity, or high time-resolution,
- Image sensors with pixels for range sensing, TOF, RGBZ, LIDAR

New or trending areas include:

- Photonic devices for quantum computation and sensing
- Intelligent image sensors
- Advanced on-chip optics for imagers
- In-display and under-display sensors

### Paper Submission

**Submission deadline: July 11<sup>th</sup>**

Single submission of final, four-page paper