



**2023 IEDM Conference Theme**  
**Devices for a Smart World**  
**Built Upon 60 Years of CMOS**



# 2023 IEEE International Electron Devices Meeting

December 9-13, 2023

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

## **Power, Millimeter Wave and Analog Technology (PMA)**

### **Topics**

Papers are solicited in the following themes of interest:

- Power and/or high speed (microwave to THz devices) devices, modules, and systems
- Manufacturing processes, device design, modeling, physics, and reliability of power and/or high-speed devices
- Fundamental studies on doping, traps, interface states, and device reliability for power and/or high-speed switching devices
- Micro and mm-wave devices, such as PAs, LNAs, switches and mixers.
- Energy harvesting devices and circuits
- Tunable passives, SAW/BAW devices, antenna arrays

New or trending areas include:

- Wide bandgap and ultra-wide bandgap semiconductors such as SiC, (Al)GaN, diamond,  $\beta$ -Ga<sub>2</sub>O<sub>3</sub>, BN
- Power devices for applications for automotive and aviation to smart grid
- Device and circuits for 5G and 6G
- Antenna arrays and beam forming
- Extreme environment power and high-speed devices

## **For More Information**

**IEDM Online:** [ieee-iedm.org](http://ieee-iedm.org)

**Social Networks:**  
[ieee-iedm.org/social-media](http://ieee-iedm.org/social-media)



## **Paper Submission**

**Submission deadline: July 13th**  
**Single submission of final, four-page paper**