



**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:**

## Advanced Logic Technology (ALT)

### Topics

Papers are solicited in the following themes of interest:

- CMOS platform technologies & opportunities
- Logic device performance and circuit design challenges
- Advanced, novel process integration schemes and (applications-driven) scaling approaches
- Process module innovations and progresses in process control & process metrology
- Design technology co-optimization (DTCO), System technology co-optimization (STCO)

New or trending areas include:

- GAA (vertically stacked) nanosheets based devices and circuits; new channel materials
- Sequential, monolithic 3D integration, heterogenous chiplets, 2.5/3D integration, thermal management
- Logic for memory
- Interconnects (BEOL, Backside power delivery)
- BEOL compatible transistors

### 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**