

# 2021

**IITC**  
International Interconnect  
Technology Conference

## CALL FOR PAPERS

<https://iitc2021.org/>

**The 24th edition of the International Interconnect Technology Conference (IITC) will be held July 6-9, 2021 in Kyoto, Japan.**

Authors are encouraged to submit their original work describing innovative research and development in the critically important field of on-chip interconnects. The conference seeks papers on all aspects of BEOL/MOL interconnects and metallization, including design, unit process, integration and reliability.

**The deadline for submission of abstracts is February 28, 2021.**

IITC is sponsored by the IEEE Electron Devices Society and is co-sponsored by the Japan Society of Applied Physics as the premier conference for interconnect technology devoted to leading-edge research in the field of advanced metallization and 3D integration for ULSI IC applications. The conference seeks papers on all aspects of BEOL/MOL interconnects and metallization, including design, unit process, integration and reliability.

### APPLICATIONS OF INTEREST

- Advanced interconnects: low-k interconnects, optical, wireless, and carbon-based interconnects, beyond Cu...
- Contacts on MOS devices: Silicide, III-V, 2D materials...
- Memory architecture: CBRAM, PCRAM, ReRAM, MRAM, DRAM, 3DNAND...
- 3D integration & packaging concerns: WtW/CtW bonding, Interposer, Through Si Via, CPI...
- Novel System and Emerging Technology: Energy harvesting, brain-inspired computing...
- Novel Form Factors: flexible electronics, wearables...

### TOPICS OF INTEREST

- Process integration, advanced patterning for MOL/BEOL
- Materials and Unit Processes (Dielectrics, Metals, barriers, Wet, CMP, PVD, CVD, ALD, selective deposition/SAMs, patterning)
- Reliability and Failure analysis, techniques and methods
- Advanced material/process characterization, design-technology co-optimization, and modelling techniques

More information: <https://iitc2021.org/>

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