

Call for Papers

Special Issue on “Thin-Film Transistor Technologies” in honor of 75th Anniversary of the Transistor

This Special Issue entitled “*Thin-Film Transistor Technologies*” will target recent developments in thin-film transistors, with a particular focus on TFT emerging materials and processes for flexible and printed electronics and their integration, new TFT-based sensors, new TFT-based memories and new device concepts. This special issue will include original research contributions as well as a few review papers about important aspects of TFT technologies and their applications.

Topics

- a-Si:H TFTs
- poly-Si TFTs
- nanocrystalline and microcrystalline TFTs
- Organic TFTs
- phototransistors
- Metal oxide semiconductor TFTs
- Graphene and 2D semiconductor TFTs
- Perovskite TFTs
- Emerging materials for TFT technologies
- Materials characterization for TFTs.
- TFT electrical and optical characterization
- TFT stability and reliability
- Noise in TFT
- High frequency behavior
- Variability
- TFT optical performance
- TFT numerical and compact modeling
- TFT process fabrication
- TFT printing processes
- TFT-based sensors and memories
- Flexible, printed and hybrid electronics TFT integration
- TFT circuit simulation and design

Important dates

MonthYear1: November 2023	Call for Papers
MonthYear2: March 31, 2024	Deadline for Paper Submission
MonthYear3: May 2024	Completion of First Review
MonthYear4: July 2024	Completion of Final Review
MonthYear5: August 2024	Publication

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Submission and Peer Review of Papers

All papers shall undergo the standard IEEE J-FLEX peer-review process. Manuscripts must be submitted online, via the *IEEE Manuscript Central*TM, see <https://mc.manuscriptcentral.com/jflex>. When submitting, please indicate in the “Manuscript Type” roll down menu that the paper is intended for the “*Thin-Film Transistor Technologies*” Special Issue. Authors are particularly encouraged to **suggest names of potential reviewers** for their manuscripts in the space provided for these recommendations in *Manuscript Central*. For manuscript preparation and submission, please follow the guidelines in the *Information for Authors* at the IEEE J-FLEX web page, <https://ieee-jflex.org/guidelines-for-authors/>.