IEEE Journal on Flexible Electronics

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™, 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://ieeeflex.org/guidelines-for-authors/.