SCDT – FlexE Centre Webinar Series

The webinars aim to bring together researchers in Flexible Electronics and allied areas from across India (and other countries) on a single platform to promote professional interaction.

Webinar by



Dr. Simon Ogier
Senior Scientist, LinkZill, China & UK

on
"An introduction to TFT technology choices and their application in circuits for large area electronics"

Date: 10th November 2026
Time: 7:30 PM to 8:30 PM

Visit www.iitk.ac.in/scdt/webinars.html to access the zoom link to join the webinar.

The event will be chaired by
Dr. Ashutosh Tripathi
Indian Institute of Technology Kanpur

Abstract of the Webinar

This webinar will be presented in two sections, the first will give an introduction to the types of thin-film transistor (TFT) technologies, their properties, and manufacturing readiness. Properties such as charge mobility, off current, uniformity, process temperature, mechanical robustness and cost of production are compared and these have an influence over the types of applications that may be suitable for TFTs using LTPS, IGZO, a-Si and OTFT. The second part of the webinar will examine how the properties of these TFT technologies influence their suitability for large area and low cost electronic circuits on flexible substrates. A comparison of noise margin, power consumption, and processing cost for different TFT circuit technologies is made and gives an indication of the more promising approaches that may be followed to open up new application uses of TFT circuitry.

Information about the speaker

Dr Simon Ogier (FInstP) is an internationally recognised leader in organic thin-film transistors (OTFTs) and flexible printed electronics, currently serving as Senior Scientist at LinkZill. Over a two-decade career spanning executive and R&D roles at SmartKem, NeuDrive, and the Centre for Process Innovation (CPI), he has spearheaded the commercialisation of high-performance organic semiconductor materials on low-temperature plastic substrates. A Fellow of the Institute of Physics, Dr Ogier has successfully bridged scientific innovations with industrial scale-up. In addition to authoring foundational texts on gate insulators in Advanced Functional Materials, his recent landmark co-authored paper in Nature Communications pioneered wafer-scale organic monolithic integration for active-matrix micro-LED displays.

Samtel Centre for Display Technologies (SCDT) and the National Centre for Flexible Electronics (FlexE Centre) of IIT Kanpur are dedicated to flexible electronics research and commercial deployment respectively

For more information
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