

Flat-Panel Displays and Sensors - Principles, Materials, and Processes: Volume 558

Flat-panel displays and sensors have found a variety of commercial, industrial and military applications with active areas from less than 1cm² to almost 1m², with many more promising applications still waiting to be explored. Flat-panel displays can be transmissive or reflective, viewed direct or projected, passive- or active-matrix driven, emissive or non-emissive. The continued advancement in flat-panel display and sensor applications will certainly be driven by cost and performance advantages which are dependent on the advancement of materials and process technologies. This book, first published in 2000, brings together researchers on all types of flat-panel display and sensor principles, materials and processes. Topics include: inorganic low-voltage phosphors; thin-film phosphors; field emission displays; field emission devices and displays; TFTs and displays; microelectronics; AMLCD; large area processes; sensors; organic luminescent materials; OLEDs and electroluminescent materials; organic EL; novel fabrication and materials for field emitters; carbon and diamond field emitters and theory and modeling of electron field emission.



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