Design of Organic Complementary Circuits and Systems on Foil [

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Engineering | Electronic circuits | Electronics | Microelectronics
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Electronics and Microelectronics, Instrumentation

Monografía

This book describes new approaches to fabricate complementary organic electronics, and focuses on the design of circuits and practical systems created using these manufacturing approaches. The authors describe two state-of-the-art, complementary organic technologies, characteristics and modeling of their transistors and their capability to implement circuits and systems on foil. Readers will benefit from the valuable overview of the challenges and opportunities that these extremely innovative technologies provide. Demonstrates first circuits implemented using specific complementary organic technologies, including first printed analog to digital converter, first dynamic logic on foil and largest complementary organic circuit Includes step-by-step design from single transistor level to complete systems on foil Provides a platform for comparing state-of-the-art complementary organic technologies and for comparing these with other similar technologies, specifically unipolar organic technologies

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