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## **Numerical Simulation Of Submicron Semiconductor**

Dealing with the MOS Field Effect Transistor (MOSFET) models that are derived from basic semiconductor theory, this text demonstrates models that take into account new physical effects observed in ...

### **6.1: Drain Current Calculations**

This project is developing a mixed-mode Fully-Depleted Complementary Metal Oxide Semiconductor (FD CMOS) technology suitable for scientific applications. This technology will offer higher speed ...

### **ABSTRACTS - Phase I**

Diverse PDs, including photoconductors and Schottky, metal-semiconductor-metal (MSM ... which affects the accurate

design and simulation of the device structure. Regarding application ...

### **Progress on AlGaN-based solar-blind ultraviolet photodetectors and focal plane arrays**

This model represents a robust simulation tool for predicting the ... and will be made publicly available upon request. In semiconductor microcavities, such as the OLED devices studied here ...

### **Characterization of higher harmonic modes in Fabry-Pérot microcavity organic light emitting diodes**

These techniques have been investigated and applied to prepare (submicron) particles with the aim to render ... compositions during additive manufacturing is studied by means of numerical modelling; ...

### **Antoine van der Heijden**

1 Department of Electrical Engineering, Stanford University, Stanford, CA 94305, USA. 2 Theiss Research Inc., La Jolla, CA 92037, USA. 3 Materials Science and Engineering Division, National Institute ...

### **Ultrahigh thermal isolation across heterogeneously layered two-dimensional materials**

Aditya, Amitava Basu, Sayan Khandelwal, Saurav Mukherjee, Chiradeep Panda, Saradindu and Maji, B. 2014. Threshold voltage roll-off for triple gate FinFET analysis based on several semiconductors used ...

### **Fundamentals of Ultra-Thin-Body MOSFETs and FinFETs**

In 2004 I became Professor of Semiconductor Materials and Devices, and between 2009 to 2013 served as Head of Department. Between 2002 -2004 I was a IEEE LEOS Distinguished Lecturer and I am currently ...

### **Professor John David**

Margala, M. (Principal) ARRA - MRI: Acquisition of the Multi-Probe Wide-Temperature Parameter Analysis Sy (2009), Grant - Margala, M. (Principal) NIRT: Utilization of Ballistic Deflection

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Phenomena ...

**Martin Margala**

An electrical engineering master's degree that merges technology, engineering, and science and applies them to practical, industrial, and business applications. In the electrical engineering masters, ...

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