Learn how to do FinFET modeling using the BSIM-CMG standard from the experts

**KEY FEATURES**
- Authored by the lead inventor and developer of FinFET, and developers of the BSIM-CMG standard model, providing an experts’ insight into the specifications of the standard
- The first book on the industry-standard FinFET model - BSIM-CMG

**DESCRIPTION**
This book is the first to explain FinFET modeling for IC simulation and the industry standard – BSIM-CMG - describing the rush in demand for advancing the technology from planar to 3D architecture, as now enabled by the approved industry standard.

The book gives a strong foundation on the physics and operation of FinFET, details aspects of the BSIM-CMG model such as surface potential, charge and current calculations, and includes a dedicated chapter on parameter extraction procedures, providing a step-by-step approach for the efficient extraction of model parameters.

**With this book you will learn:**
- Why you should use FinFET
- The physics and operation of FinFET
- Details of the FinFET standard model (BSIM-CMG)
- Parameter extraction in BSIM-CMG
- FinFET circuit design and simulation

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TABLE OF CONTENTS

1. FinFET- from Device Concept to Standard Compact Model
2. Analog/RF behavior of FinFET
3. Core Model for FinFETs
4. Channel Current and Real Device Effects
5. Leakage Current Models
6. Charge, Capacitance and Nonquasi-Static Effect
7. Parasitic Resistances and Capacitances
8. Noise
10. Benchmark Tests for Compact Models
11. BSIM-CMG Model Parameter Extraction
12. Temperature Effects