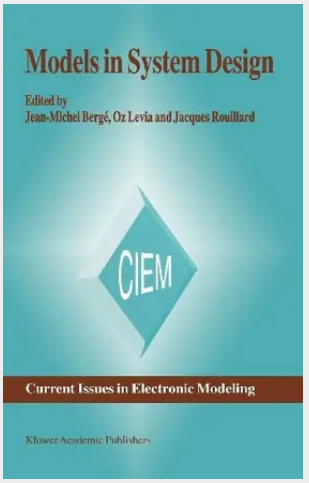
Bergé / Levia / Rouillard

Models in System Design

tracks the general trend in electronics in terms of size, complexity and difficulty of maintenance. System design is by nature combined with prototyping, mixed domain design, and verification, and it is no surprise that today's modeling and models are used in various levels of system design and verification. In order to deal with constraints induced by volume and complexity, new methods and techniques have been defined. provides an overview of the latest modeling techniques for use by system designers. The first part of the book considers system level design, discussing such issues as abstraction, performance and trade-offs. There is also a section on automating system design. The second part of the book deals with some of the newest aspects of embedded system design. These include co-verification and prototyping. Finally, the book includes a section on the use of the MCSE methodology for hardware/software co-design. will help designers and researchers to understand these latest techniques in system design and as such will be of interest to all involved in embedded system design.

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