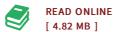# Logic Synthesis for Asynchronous Controllers and Interfaces (Springer Series in Advanced Microelectronics)

By Jordi;Kishinevsky Cortadella

Springer, 2002. Gebundene Ausgabe. Condition: Neu. Gebraucht - Sehr gut - Ungelesen, vollständig, sehr guter Zustand, leichte Lagerspuren, Mängelexemplar - This book is devoted to logic synthesis and design techniques for asynchronous circuits. It uses the mathematical theory of Petri Nets and asynchronous automata to develop practical algorithms implemented in a public domain CAD tool. Asynchronous circuits have so far been designed mostly by hand, and are thus much less common than their synchronous counterparts, which have enjoyed a high level of design automation since the mid-1970s. Asynchronous circuits, on the other hand, can be very useful to tackle clock distribution, modularity, power dissipation and electro-magnetic interference in digital integrated circuits. This book provides the foundation needed for CAD-assisted design of such circuits, and can also be used as the basis for a graduate course on logic design. 273 pp. Englisch.

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