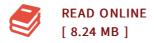




Extreme Low-Power Mixed Signal IC Design: Subthreshold Source-Coupled Circuits

By Armin Tajalli, Yusuf Leblebici

Springer-Verlag New York Inc., United States, 2014. Paperback. Book Condition: New. 2010 ed.. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Design exibility and power consumption in addition to the cost, have always been the most important issues in design of integrated circuits (ICs), and are the main concerns of this research, as well. Energy Consumptions: Power dissipation (P) and energy consumption are - diss pecially important when there is a limited amount of power budgetor limited source of energy. Very common examples are portable systems where the battery life time depends on system power consumption. Many different techniques have been - veloped to reduce or manage the circuit power consumption in this type of systems. Ultra-low power (ULP) applications are another examples where power dissipation is the primary design issue. In such applications, the power budget is so restricted that very special circuit and system level design techniques are needed to satisfy the requirements. Circuits employed in applications such as wireless sensor networks (WSN), wearable battery powered systems [1], and implantable circuits for biol- ical applications need to consume very low amount of power such that the entire system can survive for a very long...



Reviews

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An exceptional book as well as the font used was exciting to read. It is actually rally intriguing through reading time. You will not sense monotony at anytime of the time (that's what catalogues are for about when you ask me).

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