

Sram Design For Wireless Sensor Networks

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This book features various, ultra low energy, variability resilient SRAM circuit design techniques for wireless sensor network applications. Conventional SRAM design targets area efficiency and high performance at the increased cost of energy consumption, making it unsuitable for computation-intensive sensor node applications. This book, therefore, guides the reader through different techniques at the circuit level for reducing energy consumption and increasing the variability resilience. It includes a detailed review of the most efficient circuit design techniques and trade-offs, introduces new memory architecture techniques, sense amplifier circuits and voltage optimization methods for reducing the impact of variability for the advanced technology nodes. EAN/ISBN : 9781461440390 Publisher(s): Springer, Berlin, Springer, New York Format: ePub/PDF Author(s): Sharma, Vibhu - Catthoor, Francky - Dehaene, Wim

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