

1. Record Nr.	UNISALENT0991003685139707536
Titolo	Surrealist poetry in english / edited and with an introduction by Edward B. Germain
Pubbl/distr/stampa	London [etc.] : Penguin books, 1978
ISBN	0140184864
Descrizione fisica	XXIV, 348 p. ; 20 cm
Collana	Penguin twentieth-century classics
Altri autori (Persone)	Germain, Edward B.
Disciplina	821.910
Soggetti	Surrealismo - Poesia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910337461803321
Autore	del Rio David
Titolo	Digitally Assisted, Fully Integrated, Wideband Transmitters for High-Speed Millimeter-Wave Wireless Communication Links / / by David del Rio, Ainhoa Rezola, Juan F. Sevillano, Igone Velez, Roc Berenguer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-93281-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (269 pages)
Collana	Analog Circuits and Signal Processing, , 1872-082X
Disciplina	621.382
Soggetti	Electronic circuits Signal processing Image processing Speech processing systems Electrical engineering Circuits and Systems Signal, Image and Speech Processing Communications Engineering, Networks
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	<p>Introduction -- System level analysis of millimeter-wave wireless links -- Effect of Front-End Imperfections on Wideband Millimeter-Wave Signals -- Digital Compensation and Mitigation of I/Q gain and Phase Imbalance -- Design Methodology for BiCMOS mmW Integrated Circuits -- Upconverters -- Power Amplifiers -- Power Detectors -- A Fully Integrated and Digitally Assisted BiCMOS Transmitter for a 10-Gbps Wireless Link in the E-band.</p>
Sommario/riassunto	<p>This book presents design methods and considerations for digitally-assisted wideband millimeter-wave transmitters. It addresses comprehensively both RF design and digital implementation simultaneously, in order to design energy- and cost-efficient high-performance transmitters for mm-wave high-speed communications. It covers the complete design flow, from link budget assessment to the transistor-level design of different RF front-end blocks, such as mixers and power amplifiers, presenting different alternatives and discussing the existing trade-offs. The authors also analyze the effect of the imperfections of these blocks in the overall performance, while describing techniques to correct and compensate for them digitally. Well-known techniques are revisited, and some new ones are described, giving examples of their applications and proving them in real integrated circuits. Discusses the design of mm-wave transceivers from both the analog and digital design perspectives; Analyzes different well-known architectures and revisits some key aspects in order to make them suitable for mmW circuits; Covers design considerations at the system, block/circuit and transistor levels of abstraction; Enables readers to build high-performance, energy and cost-efficient mm-wave radios; Addresses circuit reliability and sensibility to environmental variations, in order to implement robust and auto-adjustable systems; Analyzes quantitatively the effect of different imperfections on the performance of the whole system, and proposes different methods to compensate for them and mitigate their effects; Applies design techniques described in real examples, demonstrating the transmission of multi-Gbps signals.</p>