1. Record Nr. UNINA9910340847703321

Autore	Tirabassi Maddalena
Titolo	La meglio Italia : le mobilita italiane nel XXI secolo / / Maddalena Tirabassi e Alvise del Pra'
Pubbl/distr/stampa	Accademia University Press Turin, Italy : , : Accademia University Press, , 2014
ISBN	88-97523-67-6 88-99982-53-8 88-99200-18-1
Descrizione fisica	1 online resource (240 pages)
Collana	Centro Altreitalie sulle Migrazioni Italiane
Soggetti	Italians - Foreign countries - History - 21st century Italy Emigration and immigration History 21st century
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Negli ultimi anni in Italia è ripresa l'emigrazione giungendo a superare, secondo le statistiche ufficiali, le centomila unità annue. L'attenzione dei media, nel denunciare i tagli alla ricerca, le cattive condizioni del mercato del lavoro e la mancanza di meritocrazia diffusa nel paese, si è focalizzata sulla perdita di giovani talenti verso l'estero. A lasciare l' Italia, però, non sono più solo lavoratori altamente specializzati, o cervelli in fuga, ma anche studenti, professionisti, tecnici, imprenditori, ricercatori, pensionati, cooperanti e altre figure, qualificate e non, che partono da ogni regione. Questo soggetto difficile da definire – emigranti, expat, cervelli in fuga? – non ha nemmeno una dimensione precisa. Come calcolare infatti il numero di chi si muove nell'Europa di Schengen o che attraversa frontiere con un visto turistico o di studio e che poi decide di fermarsi? Cosa differenzia la nuova emigrazione che alle guide dell'emigrante ha sostituito blog e social network, che al posto del telefono usa Skype, da quelle del secolo scorso? Rispetto alle migrazioni del passato cambiano anche le motivazioni, oltre alla ricerca di lavoro, si emigra per studiare, cercare una migliore qualità della vita o per amore. L'inchiesta del Centro Altreitalie intrecciando fonti

	diverse – statistiche, un questionario e interviste – traccia lo spaccato del nuovo e complesso fenomeno migratorio italiano.

2. Record Nr. UNINA9910140643403321

Autore	Ghannouchi Fadhel M. <1958->
Titolo	Behavioral modelling and predistortion of wideband wireless transmitters / / Fadhel Ghannouchi, Oualid Hammi, Mohamed Helaoui
Pubbl/distr/stampa	Chichester, England : , : Wiley, , 2015 ©2015
ISBN	1-119-00444-6 1-119-00442-X
Edizione	[1st edition]
Descrizione fisica	1 online resource (272 p.)
Disciplina	621.384131
Soggetti	Wireless communication systems - Mathematical models Broadband communication systems - Mathematical models Signal theory (Telecommunication) - Mathematics Telecommunication - Transmitters and transmission - Mathematics Nonlinear systems - Mathematical models Electric distortion - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; About the Authors; Preface; Acknowledgments; Chapter 1 Characterization of Wireless Transmitter Distortions; 1.1 Introduction; 1.1.1 RF Power Amplifier Nonlinearity; 1.1.2 Inter-Modulation Distortion and Spectrum Regrowth; 1.2 Impact of Distortions on Transmitter Performances; 1.3 Output Power versus Input Power Characteristic; 1.4 AM/AM and AM/PM Characteristics; 1.5 1 dB Compression Point; 1.6 Third and Fifth Order Intercept Points; 1.7 Carrier to Inter-Modulation Distortion Ratio; 1.8 Adjacent Channel Leakage Ratio; 1.9 Error Vector Magnitude ReferencesChapter 2 Dynamic Nonlinear Systems; 2.1 Classification of Nonlinear Systems; 2.1.1 Memoryless Systems; 2.1.2 Systems with

Memory; 2.2 Memory in Microwave Power Amplification Systems; 2.2.1 Nonlinear Systems without Memory; 2.2.2 Weakly Nonlinear and Quasi-Memoryless Systems; 2.2.3 Nonlinear System with Memory; 2.3 Baseband and Low-Pass Equivalent Signals; 2.4 Origins and Types of Memory Effects in Power Amplification Systems; 2.4.1 Origins of Memory Effects; 2.4.2 Electrical Memory Effects; 2.4.3 Thermal Memory Effects; 2.5 Volterra Series Models; References
Chapter 3 Model Performance Evaluation3.1 Introduction; 3.2 Behavioral Modeling versus Digital Predistortion; 3.3 Time Domain Metrics; 3.3.1 Normalized Mean Square Error; 3.3.2 Memory Effects Modeling Ratio; 3.4 Frequency Domain Metrics; 3.4.1 Frequency Domain Normalized Mean Square Error; 3.4.2 Adjacent Channel Error Power Ratio; 3.4.3 Weighted Error Spectrum Power Ratio; 3.4.4 Normalized Absolute Mean Spectrum Error; 3.5 Static Nonlinearity Cancelation Techniques; 3.5.1 Static Nonlinearity Pre-Compensation Technique; 3.5.2 Static Nonlinearity Post-Compensation Technique
3.5.3 Memory Effect Intensity3.6 Discussion and Conclusion; References; Chapter 4 Quasi-Memoryless Behavioral Models; 4.1 Introduction; 4.2 Modeling and Simulation of Memoryless/Quasi-Memoryless Nonlinear Systems; 4.3 Bandpass to Baseband Equivalent Transformation; 4.4 Look-Up Table Models; 4.4.1 Uniformly Indexed Loop-Up Tables; 4.4.2 Non-Uniformly Indexed Look-Up Tables; 4.5 Generic Nonlinear Amplifier Behavioral Model; 4.6 Empirical Analytical Based Models; 4.6.1 Polar Saleh Model; 4.6.2 Cartesian Saleh Model; 4.6.3 Frequency-Dependent Saleh Model; 4.6.4 Ghorbani Model
4.6.5 Berman and Mahle Phase Model4.6.6 Thomas-Weidner-Durrani Amplitude Model; 4.6.7 Limiter Model; 4.6.8 ARCTAN Model; 4.6.9 Rapp Model; 4.6.10 White Model; 4.7 Power Series Models; 4.7.1 Polynomial Model; 4.7.2 Bessel Function Based Model; 4.7.3 Chebyshev Series Based Model; 4.7.4 Gegenbauer Polynomials Based Model; 4.7.5 Zernike Polynomials Based Model; References; Chapter 5 Memory Polynomial Based Models; 5.1 Introduction; 5.2 Generic Memory Polynomial Model Formulation; 5.3 Memory Polynomial Model; 5.4 Variants of the Memory Polynomial Model; 5.4.1 Orthogonal Memory Polynomial Model
5.4.2 Sparse-Delay Memory Polynomial Model

Sommario/riassunto

Covers theoretical and practical aspects related to the behavioral modelling and predistortion of wireless transmitters and power amplifiers. It includes simulation software that enables the users to apply the theory presented in the book. In the first section, the reader is given the general background of nonlinear dynamic systems along with their behavioral modelling from all its aspects. In the second part, a comprehensive compilation of behavioral models formulations and structures is provided including memory polynomial based models, box oriented models such as Hammerstein-based and Wiener-based models, and neural networks-based models. The book will be a valuable resource for design engineers, industrial engineers, applications engineers, postgraduate students, and researchers working on power amplifiers modelling, linearization, and design.