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Titolo	Digital Signal Processing with Field Programmable Gate Arrays / / by Uwe Meyer-Baese
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Soggetti	Signal processing Image processing Speech processing systems Microprogramming Electronic circuits Signal, Image and Speech Processing Control Structures and Microprogramming Circuits and Systems
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Nota di contenuto	Computer Arithmetic -- Finite Impulse Response (FIR) Digital Filters -- Infinite Impulse Response (IIR) Digital Filters -- Multirate Signal Processing -- Fourier Transforms -- Advanced Topics -- Adaptive Filters -- Microprocessor Design.
Sommario/riassunto	Field-Programmable Gate Arrays (FPGAs) are revolutionizing digital signal processing. The efficient implementation of front-end digital signal processing algorithms is the main goal of this book. It starts with an overview of today's FPGA technology, devices, and tools for designing state-of-the-art DSP systems. A case study in the first chapter is the basis for more than 40 design examples throughout. The following chapters deal with computer arithmetic concepts, theory and the implementation of FIR and IIR filters, multirate digital signal processing systems, DFT and FFT algorithms, advanced algorithms with high future potential, and adaptive filters. Each chapter contains exercises. The VERILOG source code and a glossary are given in the

appendices. This new edition incorporates Over 10 new system level case studies designed in VHDL and Verilog A new chapter on image and video processing An Altera Quartus update and new ModelSim simulations Xilinx Atlys board and ISIM simulation support Signed fixed point and floating point IEEE library examples An overview on parallel all-pass IIR filter design ICA and PCA system level designs • Speech and audio coding for MP3 and ADPCM.

2. Record Nr.

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Guinea : : Fifth Review Under the Three-Year Arrangement Under the Extended Credit Facility, Financing Assurances Review, and Requests for an Augmentation of Access and Extension of the Current Arrangement

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Soggetti

Accounting - Guinea
Banks and Banking
Exports and Imports
Public Finance
Natural Resource Extraction
Diseases: Respiratory
Macroeconomics
International Lending and Debt Problems
Health Behavior
Debt
Debt Management
Sovereign Debt
National Government Expenditures and Related Policies: General
Industry Studies: Primary Products and Construction: General
General Aggregative Models: General
International economics
Public finance & taxation
Infectious & contagious diseases
Banking

Extractive industries
Budgeting & financial management
External debt
Ebola
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Public financial management (PFM)
Mining sector
Health
National accounts
Debts, External
Ebola virus disease
Debts, Public
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ISSUES

Sommario/riassunto

This paper discusses Guinea's Fifth Review Under the Three-Year Arrangement Under the Extended Credit Facility (ECF), Financing Assurances Review, and Requests for an Augmentation of Access and Extension of Current Arrangement. Performance under the ECF program has been satisfactory. All quantitative performance criteria have been met. Macroeconomic policies in 2015 will remain supportive to help deal with the Ebola outbreak. The IMF staff supports the completion of the fifth review under the ECF arrangement and financing assurances review and requests for an extension of the current arrangement to end-2015, an augmentation in access, and disbursement of 25 percent of quota as budget support under the 5th review.