

VLSI IEEE PAPERS-2019

S.NO	TITLES	YEAR	CATEGORY
1	Area-Efficient Bidirectional Shift-Register Using Bidirectional Pulsed-Latches	2019	LOW POWER
2	Energy-Quality Scalable Adders Based on Nonzeroing Bit Truncation	2019	LOW POWER
3	Double MAC on a DSP: Boosting the Performance of Convolutional Neural Networks on FPGAs	2019	SIGNAL PROCESSING
4	Efficient Multiple-Precision Floating-Point Fused Multiply-Add with Mixed-Precision Support	2019	LOW POWER
5	Error Detection and Correction in SRAM Emulated TCAMs	2019	TESTING
6	Fast HUB Floating-point Adder for FPGA	2019	LOW POWER
7	LFSR-Based Test Generation for Path Delay Faults	2019	TESTING
8	Multistage Linear Feedback Shift Register Counters With Reduced Decoding Logic in 130-nm CMOS for Large-Scale Array Applications	2019	LOW POWER
9	Design Methodology to Explore Hybrid Approximate Adders for Energy-Efficient Image and Video Processing Accelerators	2019	LOW POWER
10	Low-Power Approximate Unsigned Multipliers With Configurable Error Recovery	2019	LOW POWER
11	Ultra-Low Power QRS Detection and ECG Compression Architecture for IoT Healthcare Devices	2019	BIO-MEDICAL
12	A High-Performance and Energy-Efficient FIR Adaptive Filter Using Approximate Distributed Arithmetic Circuits	2019	SIGNAL PROCESSING
13	Efficient Design for Fixed-Width Adder-Tree	2019	LOW POWER

14	Efficient Implementations of Reduced Precision Redundancy (RPR) Multiply and Accumulate (MAC)	2019	LOW POWER
15	Low Area-Overhead Low-Entropy Masking Scheme (LEMS) Against Correlation Power Analysis Attack	2019	CRYPTOGRAPHY
16	A Two-Speed, Radix-4, Serial-Parallel Multiplier	2019	LOW POWER
17	Preventing Scan Attacks on Secure Circuits Through Scan Chain Encryption	2019	CRYPTOGRAPHY
18	A Low Power 12-bit 1-kS/s SAR ADC for Biomedical Signal Processing	2019	BIO-MEDICAL
19	Fault Awareness for Memory BIST Architecture Shaped by Multidimensional Prediction Mechanism	2019	TESTING
20	Design and Characterization of SEU Hardened Circuits for SRAM-Based FPGA	2019	TESTING
21	Test Compaction by Test Removal Under Transparent Scan	2019	TESTING



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