



## FPGA 2011 Proceedings of 2011 ACM/Sigda International Symposium on Field Programmable Gate Arrays (Paperback)

By Fpga Conference Committee

ACM, United States, 2011. Paperback. Book Condition: New. 276 x 212 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The ACM/SIGDA International Symposium on Field-Programmable Gate Arrays is the premier conference for presentation of advances in all areas related to FPGA technology. For FPGA conferences, we solicit original submissions describing novel research and developments in the following (and related) areas of interest: \* FPGA Architecture: Novel logic block architectures, combination of FPGA fabric and system blocks (DSP, processors, memories, etc.), design of routing fabric, I/O interfaces, new commercial architectures and architectural features.\* FPGA Circuit Design: Novel FPGA circuits and circuit-level techniques, impact of process and design technologies, methods for analyzing and improving issues with soft-errors, leakage, static and dynamic power, clocking, power grid, yield, manufacturability, reliability, test; studies on future device technologies (e.g. nano-scale, 3D gate) for FPGAs.\* CAD for FPGAs: Placement, routing, retiming, logic optimization, technology mapping, system-level partitioning, logic generators, testing and verification, CAD for FPGA-based accelerators, CAD for incremental FPGA design and on-line design mapping and optimization, CAD for modelling, analysis and optimization of timing and power.\* High-Level Abstractions and Tools for FPGAs: General-purpose and domain-specific models, languages, tools, and techniques

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