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Nota di contenuto	Intro -- Preface -- Contents -- Abbreviations -- 1 Control Algorithms and Finite State Machines -- 1.1 Methods of Implementation of Control Algorithms -- 1.2 Basic Models of Finite State Machines -- 1.3 Synthesis of Mealy FSM -- 1.4 Synthesis of Moore FSM -- 1.5 Synthesis of Microprogram Control Units -- 1.6 Background of Combined FSMs -- References -- 2 VLSI-based Logic Synthesis -- 2.1 Evaluation of Logic Elements -- 2.2 Logic Synthesis with ASICs -- 2.3 Logic Synthesis with CPLDs -- 2.4 Logic Synthesis with FPGAs -- References -- 3 ASIC-based Synthesis of CFSMs -- 3.1 Trivial Matrix Implementation -- 3.2 Structural Decomposition for Matrix CFSMs -- 3.3 PES-based Matrix Circuits of Moore FSMs -- 3.4 Analysis of CFSM-based Matrix Circuits -- References -- 4 Optimization of ASIC-based CFSMs -- 4.1 CFSMs with Optimal State Assignment -- 4.2 CFSMs with Transformation of State Codes -- 4.3 CFSMs with Partial Code Transformation -- 4.4 CFSMs with Primary Encoding of Classes of PES -- References -- 5 Homogenous CPLD-Based Synthesis of CFSMs -- 5.1 Preliminary Information -- 5.2 Synthesis of P CFSM -- 5.3 Synthesis of CFSMs with Optimal State Assignment -- 5.4 Synthesis of CFSMs with Transformation of State Codes -- 5.5 Synthesis of CFSMs with Primary Encoding of Classes -- References -- 6 Heterogeneous CPLD-based

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