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Nota di contenuto	Intro -- Committees -- Preface -- About This Book -- Contents -- About the Editors -- Modeling and Simulation of Grid-Connected Wind Power Plant for Electric Vehicle Charging Station with Solid Oxide Fuel Cell -- 1 Introduction -- 2 System Description -- 2.1 Design of Wind Power Generation System -- 2.2 Design of SOFC System -- 3 Results -- 4 Conclusion -- References -- Parameter Computation and Current Control Loop Tuning of Non-salient PMSM Motor -- 1 Introduction -- 2 System Overview -- 3 The Proposed Model -- 3.1 Resistance Calculation -- 3.2 Inductance Calculation -- 3.3 The Current Controller Model -- 4 Experimental Results -- 5 Conclusion -- References -- Single-Object Detection Hardware Accelerator Using XfOpenCV Library -- 1 Introduction -- 2 Functions Used in Object Detection Algorithm -- 2.1 Threshold -- 2.2 InRange -- 2.3 Corner Detection -- 2.4 Finding Pixels Location -- 3 Implementation of Single-Object Detector in Vivado HLS -- 4 Results -- 4.1 Simulation Results -- 4.2 IP Generated -- 4.3 Resource Utilization -- 5 Conclusion -- References -- Impact Assessment of Cross-Subsidy Surcharge on Electricity Demand in Short-Term Power Market in India -- 1 Introduction -- 2 Literature Review -- 3 Data and Methodology -- 3.1 Data -- 3.2 Methodology -- 4 Empirical Findings and Discussion -- 4.1 Descriptive Analysis -- 4.2 Correlation Analysis -- 4.3 Regression Analysis -- 4.4 Discussion -- 5 Conclusion and Recommendation -- Appendix --

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