



Self-powered SoC platform for analysis and prediction of cardiac arrhythmias /

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Contenido: ""Preface""; ""Acknowledgments""; ""Abbreviations""; ""Contents""; ""List of Figures""; ""List of Tables""; ""Chapter 1: Introduction""; ""1.1 Remote Monitoring System (RMS)""; ""1.1.1 Key Enabling Technologies""; ""1.1.2 Economical Impact""; ""1.2 Electrocardiographic Signal""; ""1.3 Cardiac Arrhythmias""; ""1.4 The Problem with Existing Cardiac Arrhythmia Automatic Diagnostic Solutions""; ""1.5 Proposed Solutions and Book Contribution""; ""1.6 Goal of the Work""; ""1.7 Book Outline""; ""Chapter 2: Literature Review""; ""2.1 Cardiovascular Diseases""; ""2.1.1 Mortality"" ""2.1.2 Prevalence"" ""2.2 ECG Filtering: A Review""; ""2.3 ECG Feature Extraction Techniques: A Review""; ""2.4 ECG Classification Techniques: A Review""; ""2.4.1 Support Vector Machine (SVM)""; ""2.4.2 Artificial Neural Network (ANN)""; ""2.4.3 Hidden Markov Model (HMM)""; ""2.4.4 Linear Discriminant Analysis (LDA)""; ""2.4.5 Naive Bayes""; ""2.4.6 Hybrid Methods""; ""2.5 Hardware Implementation of ECG Signal Processing Systems: A Review""; ""2.5.1 State-of-

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