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Model for Measurement Improvement -- What Are the Significant Cost Drivers for COSMIC Functional Size Based Effort Estimation? -- Analysis of the Risk Assessment Methods -- A Survey -- Cockpit Based Management Architectures -- A Case Study in COSMIC Functional Size Measurement: The Rice Cooker Revisited -- Functional Size of a Real-Time System -- A Prototypical Simulation Model to Analyze the Business Process Performance -- Improvement Opportunities and Suggestions for Benchmarking -- Functional Size Measurement Quality Challenges for Inexperienced Measurers -- Applying Test Case Metrics in a Tool Supported Iterative Architecture and Code Improvement Process -- Towards an Early Software Effort Estimation Based on Functional and Non-Functional Requirements -- Formalization Studies in Functional Size Measurement: How Do They Help? -- Using Models to Develop Measurement Systems: A Method and Its Industrial Use -- Evaluating Process Quality Based on Change Request Data -- An Empirical Study of the Eclipse Project -- Empirical Evaluation of Hunk Metrics as Bug Predictors -- Using Support Vector Regression for Web Development Effort Estimation -- A Comparison of Neural Network Model and Regression Model Approaches Based on Sub-functional Components -- Formal Definition of Measures for BPMN Models -- Using Tabu Search to Estimate Software Development Effort -- An Experimental Study on the Reliability of COSMIC Measurement Results -- Assessing the Documentation Development Effort in Software Projects.

Sommario/riassunto

This book constitutes the refereed proceedings of two joint events - the International Workshop on Software Measurement, IWSM 2009 and the International Conference on Software Process and Product Measurement, Mensura 2009, held in Amsterdam, The Netherlands, in November 2009. The 24 revised full papers presented were carefully reviewed and selected from numerous submissions for inclusion in the book. This book considers issues such as the applicability of measures and metrics to software, the efficiency of measurement programs in industry and the theoretical foundations of software engineering.
