Quality, Reliability and Infocom Technology: Trends and Future Directions

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Narosa Publishing House, 2012. Hardcover. Book Condition: New. Producing and maintaining the high quality of products and processes are at the core of engineering and only a comprehensive quality improvement and assessment program that have successful outcome can assure it. Reliability of computer systems has become a major concern for our society. Software reliability is the key factor in software quality since it qualities software failures ? the most unwanted event which makes software useless or even harmful to the whole system. Achieving highly reliable software in the customer?s perspective is a demanding job to all software engineers and reliability engineers. Papers in this book are classified into four main areas: RELIABILITY, QUALITY, OPTIMIZATION AND INFOCOM TECHNOLOGY. This book will benefit wider audiences amongst the scientific and research community in academia and industry. Table of Contents Optimal Release Problem Based On Flexible Hazard Rates For An Embedded OSS Development / Testing Time Allocation Problem for N-Version Modular Software System / Genetic Algorithm based Mixed-Integer Nonlinear Programming in Reliability Optimization Problems / Uncertainty Analysis In PSA With Correlated Input Parameters / The Long Jump in Linear Optimization Using Transformation That Converts the ?n? to a ?2? Variable LP Problem / Change-Point...

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