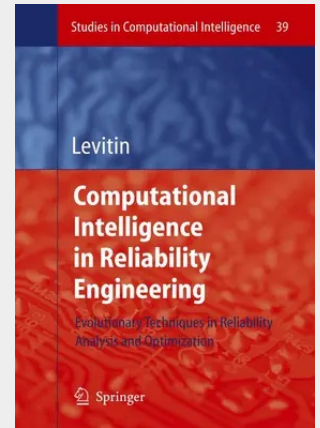


Computational Intelligence in Reliability Engineering

Evolutionary Techniques in Reliability Analysis and Optimization

This two-volume book covers the recent applications of computational intelligence techniques in reliability engineering. Research in the area of computational intelligence is growing rapidly due to the many successful applications of these new techniques in very diverse problems. "Computational Intelligence" covers many fields such as neural networks, fuzzy logic, evolutionary computing, and their hybrids and derivatives. Many industries have benefited from adopting this technology. The increased number of patents and diverse range of products developed using computational intelligence methods is evidence of this fact. These techniques have attracted increasing attention in recent years for solving many complex problems. They are inspired by nature, biology, statistical techniques, physics and neuroscience. They have been successfully applied in solving many complex problems where traditional problem-solving methods have failed. The book aims to be a repository for the current and cutting-edge applications of computational intelligent techniques in reliability analysis and optimization.

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160,49 €

149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540373674

Medium: Buch

ISBN: 978-3-540-37367-4

Verlag: Springer

Erscheinungstermin: 26.10.2006

Sprache(n): Englisch

Auflage: 1. Auflage 2006

Serie: Studies in Computational Intelligence

Produktform: Gebunden

Gewicht: 1670 g

Seiten: 398

Format (B x H): 210 x 297 mm

