Kumar / Rathore

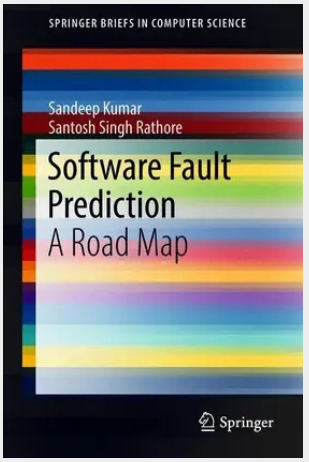
Software Fault Prediction

A Road Map

This book focuses on exploring the use of software fault prediction in building reliable and robust software systems. It is divided into the following chapters: Chapter 1 presents an introduction to the study and also introduces basic concepts of software fault prediction. Chapter 2 explains the generalized architecture of the software fault prediction process and discusses its various components. In turn, Chapter 3 provides detailed information on types of fault prediction models and discusses the latest literature on each model. Chapter 4 describes the software fault datasets and diverse issues concerning fault datasets when building fault prediction models. Chapter 5 presents a study evaluating different techniques on the basis of their performance for software fault prediction. Chapter 6 presents another study evaluating techniques for predicting the number of faults in the software modules. In closing, Chapter 7 provides a summary of the topics discussed.

The book will beof immense benefit to all readers who are interested in starting research in this area. In addition, it offers experienced researchers a valuable overview of the latest work in this area.

Wide coverage of important topics Coverage of binary class as well as number of fault prediction Special chapter on number of fault prediction Many figures and tables for better illustration Empirical study of learning models



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789811087141
Medium: Buch
ISBN: 978-981-10-8714-1
Verlag: Springer Nature Singapore
Erscheinungstermin: 18.06.2018
Sprache(n): Englisch
Auflage: 1. Auflage 2018
Serie: SpringerBriefs in Computer Science
Produktform: Kartoniert
Gewicht: 1569 g
Seiten: 72
Format (B x H): 155 x 235 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)