Shigeru Yamada, Yoshinobu Tamura

# OSS Reliability Measurement and Assessment

**Series: Springer Series in Reliability Engineering**

- Offers reader detailed insights into several methods of reliability assessment for open source software including component-oriented reliability analysis based on analytic hierarchy process (AHP), analytic network process (ANP), and non-homogeneous Poisson process (NHPP) models
- Covers the fundamentals, practical applications, and recent developments
- Analyses key measurement and management technologies for producing and maintaining quality/reliable systems using open source software

This book analyses quantitative open source software (OSS) reliability assessment and its applications, focusing on three major topic areas: the Fundamentals of OSS Quality/Reliability Measurement and Assessment; the Practical Applications of OSS Reliability Modelling; and Recent Developments in OSS Reliability Modelling. Offering an ideal reference guide for graduate students and researchers in reliability for open source software (OSS) and modelling, the book introduces several methods of reliability assessment for OSS including component-oriented reliability analysis based on analytic hierarchy process (AHP), analytic network process (ANP), and non-homogeneous Poisson process (NHPP) models, the stochastic differential equation models and hazard rate models. These measurement and management technologies are essential to producing and maintaining quality/reliable systems using OSS.

1st ed. 2016, X, 185 p. 83 illus.

**Printed book**

Hardcover
129,99 € | £109.99 | $159.99
[1]139,09 € (D) | 142,99 € (A) | CHF 153,50

Softcover
129,99 € | £109.99 | $159.99
[1]139,09 € (D) | 142,99 € (A) | CHF 153,50

**eBook**

106,99 € | £87.50 | $119.00
[2]106,99 € (D) | 106,99 € (A) | CHF 122,50

Available from your library or springer.com/shop

**MyCopy** [3]

Printed eBook for just
€ | $ 24.99
springer.com/mycopy

Part of **SPRINGER NATURE**