

# Advancements in Fuzzy Reliability Theory

Part of the Science & Engineering Book Series

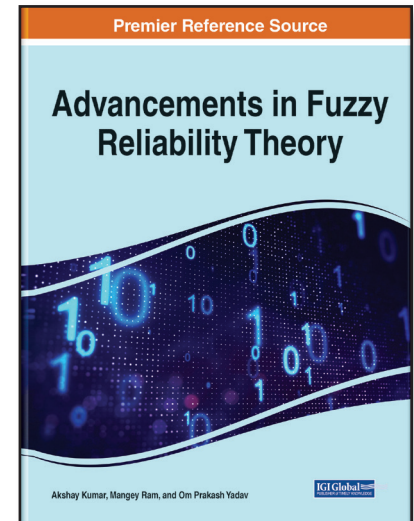
Akshay Kumar (Graphic Era Hill University, India), Mangey Ram (Graphic Era (Deemed to be University), India) and Om Prakash Yadav (North Dakota State University, USA)

## Description:

In recent years, substantial efforts are being made in the development of reliability theory including fuzzy reliability theories and their applications to various real-life problems. Fuzzy set theory is widely used in decision making and multi criteria such as management and engineering, as well as other important domains in order to evaluate the uncertainty of real-life systems.

Fuzzy reliability has proven to have effective tools and techniques based on real set theory for proposed models within various engineering fields, and current the research focuses on these applications.

**Advancements in Fuzzy Reliability Theory** introduces the concept of reliability fuzzy set theory including various methods, techniques, and algorithms. The chapters present the latest findings and research in fuzzy reliability theory applications in engineering areas. While examining the implementation of fuzzy reliability theory among various industries such as mining, construction, automobile, engineering, and more, this book is ideal for engineers, practitioners, researchers, academicians, and students interested in fuzzy reliability theory applications in engineering areas.



**ISBN:** 9781799875642

**Pages:** 315

**Copyright:** 2021

**Release Date:** February, 2021

**Hardcover:** \$245.00

**Softcover:** \$185.00

**E-Book:** \$245.00

**Hardcover + E-Book:** \$295.00

## Topics Covered:

Complex Systems  
Computer Science  
Decision Making  
Engineering  
Fuzzy Numbers

Fuzzy Reliability Theory  
Fuzzy Sets  
Manufacturing Systems  
Process Optimization  
Risk Assessment

**Subject:** Computer Science and Information Technology

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level (Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

### Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA