
Description: Bringing together business and engineering to reliability analysis With manufactured products exploding in numbers and complexity, reliability studies play an increasingly critical role throughout a product's entire life cycle—from design to post-sale support. Reliability: Modeling, Prediction, and Optimization presents a remarkably broad framework for the analysis of the technical and commercial aspects of product reliability, integrating concepts and methodologies from such diverse areas as engineering, materials science, statistics, probability, operations research, and management. Written in plain language by two highly respected experts in the field, this practical work provides engineers, operations managers, and applied statisticians with both qualitative and quantitative tools for solving a variety of complex, real-world reliability problems. A wealth of examples and case studies accompanies:
- Comprehensive coverage of assessment, prediction, and improvement at each stage of a product's life cycle
- Clear explanations of modeling and analysis for hardware ranging from a single part to whole systems
- Thorough coverage of test design and statistical analysis of reliability data
- A special chapter on software reliability
- Coverage of effective management of reliability, product support, testing, pricing, and related topics
- Lists of sources for technical information, data, and computer programs
- Hundreds of graphs, charts, and tables, as well as over 500 references
- PowerPoint slides are available from the Wiley editorial department.

Contents:

CONTEXT OF RELIABILITY ANALYSIS.
An Overview.
Illustrative Cases and Data Sets.

BASIC RELIABILITY METHODOLOGY.
Collection and Preliminary Analysis of Failure Data.
Probability Distributions for Modeling Time to Failure.
Basic Statistical Methods for Data Analysis.

RELIABILITY MODELING, ESTIMATION, AND PREDICTION.
Modeling Failures at the Component Level.
Modeling and Analysis of Multicomponent Systems.
Advanced Statistical Methods for Data Analysis.
Software Reliability.
Design of Experiments and Analysis of Variance.
Model Selection and Validation.

RELIABILITY MANAGEMENT, IMPROVEMENT, AND OPTIMIZATION.
Reliability Management.
Reliability Engineering.
Reliability Prediction and Assessment.
Reliability Improvement.
Maintenance of Unreliable Systems.
Warranties and Service Contracts.
Reliability Optimization.
EPILOGUE.
Case Studies.
Resource Materials.
Appendices.
References.
Indexes.

Order by Fax - using the form below
Order by Post - print the order form below and send to

  Research and Markets,
  Guinness Centre,
  Taylors Lane,
  Dublin 8,
  Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/2180968/">http://www.researchandmarkets.com/reports/2180968/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCLOPG65</td>
</tr>
</tbody>
</table>

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Hard Back):</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>Last Name:</td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World