Description

With computers becoming embedded as controllers in everything from network servers to the routing of subway schedules to NASA missions, there is a critical need to ensure that systems continue to function even when a component fails. In this book, bestselling author Martin Shooman draws on his expertise in reliability engineering and software engineering to provide a complete and authoritative look at fault tolerant computing. He clearly explains all fundamentals, including how to use redundant elements in system design to ensure the reliability of computer systems and networks.

Market: Systems and Networking Engineers, Computer Programmers, IT Professionals.

About the Author

Martin L. Shooman, PhD, served for many years as a Professor of Electrical Engineering and Computer Science at Polytechnic University in Brooklyn, New York. Dr. Shooman has been a Visiting Professor at MIT and Hunter College, and a consultant to Bell Laboratories, NASA, IBM, the US Army, and many other government and commercial organizations. A fellow of the IEEE, he has received five best paper awards from their Reliability and Computer Societies. Dr. Shooman has contributed to over 100 papers and reports to the research literature and has given special courses in Britain, Canada, France, Israel, and
throughout the US. The author of Probabilistic Reliability: An Engineering Approach and Software Engineering: Design, Reliability, and Management, he is currently President of the consulting firm Martin L. Shooman & Associates.

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