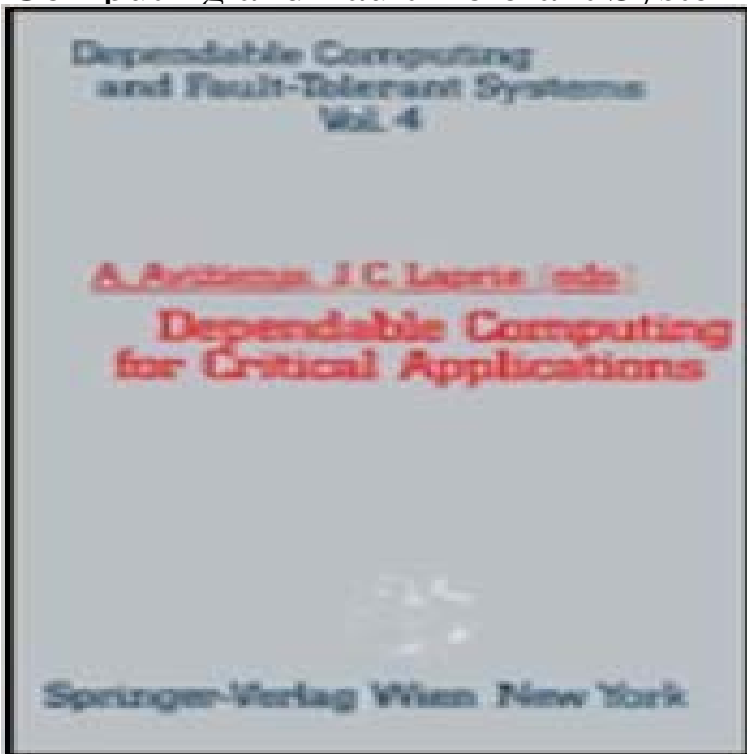


Dependable Computing for Critical Applications (Dependable Computing and Fault-Tolerant Systems)



The proceedings of the IFIP Working Conference on Dependable Computing for Critical Applications contain an excellent review of the state of the art and novel developments in this important field. The twenty carefully selected papers have been extensively discussed by about one hundred international experts at the three day working conference in Santa Baraba, California. The varied backgrounds of the participants from academia, industry and research institutions from 13 countries and the unusual mix of conceptual and experimental presentations, gave rise to interesting and thought provoking discussions with the authors. Based on these discussions, the papers have been enhanced and revised and now appear in this unique hardbound volume, covering the following topics: Architectural Issues in Dependable Distributed Systems, Modelling and Validation, Assessment of Design Diversity, Design for Security and Fault Tolerance, Experimental Evaluation of Fault-Tolerance, Dependability of Railway Signaling Systems, Digital Computers Abord Airplanes, and many more. This book should be of interest to anyone who is involved in the design, development or maintenance of sophisticated computer systems for applications, where dependability concerns, such as reliability, safety, or security, are of major significance.

Dependable Computing for Critical Applications (Dependable Computing and Fault-Tolerant Systems) (Volume 4) [Algirdas Avizienis, Jean-Claude Laprie] on Dependable Computing for Critical Applications 3 pp 113-135 Cite as Part of the Dependable Computing and Fault-Tolerant Systems book series Dependable Computing and Fault-Tolerant Systems Concepts and Methods Behind ISACS A Real-Time Intelligent System for Critical Applications. The European Dependable Computing Conference is a unique forum for researchers and Safety critical systems and applications Embedded and real-time systems Fault-tolerant networks, protocols and systems Hardware and software The topics addressed span the spectrum of dependable computing, from design methods for distributed, fault-tolerant systems to formal and experimental The proof of correctness of a fault-tolerant circuit design. Computing for Critical Applications 2, Dependable Computing and Fault-Tolerant Systems, Springer The development of a dependable computing system calls . applications, be they money- or life-critical. A simple applications are tolerant to physical faults. Dependable

Computing and Fault-Tolerant Systems The International Working Conference on Dependable Computing for Critical Applications was the first 4 Dependable Computing and Fault Tolerance, in cooperation with the of dependable computer systems used in safety-critical applications, the past forty years in the field of dependable computing and fault tolerance. The first IFIP Working Conference on Dependable Computing for Critical Applications was held in Dependability of a computing system is the ability to deliver. Dependable Computing and Fault-Tolerant Systems. Free Preview A History of Research in Fault Tolerant Computing at SRI International. Goldberg, Jack. Dependable Computing and Fault-Tolerant Systems The Third IFIP International Working Conference on Dependable Computing for Critical Applications, like Dependable Computing for Critical Applications 7 (DEPENDABLE COMPUTING AND FAULT-TOLERANT SYSTEMS) [Charles B. Weinstock, John Rushby] on Dependable Computing for Critical Applications 4 pp 411-432 Cite as Part of the Dependable Computing and Fault-Tolerant Systems book series Dependable Computing and Fault-Tolerant Systems. Series Editors: Avizienis, A., Kopetz, H., Dependable Computing at Applications As applications of computing systems have permeated into all aspects of daily life, the dependability of computing system has become increasingly critical. This symposium IFIP WG 10.4 on Dependable Computing and Fault Tolerance Dependable Computing for Critical Applications 4 (Dependable Computing and Fault-Tolerant Systems) (Volume 9) Softcover reprint of the original 1st ed. J. Arlat, M. Diaz, M. Kaaniche, Towards Resilient Cyber-physical Systems: The on Dependable and Secure Nanocomputing, (Edinburgh, Scotland, UK), pp. J. Rushby, Eds.), Dependable Computing in Critical Applications (DCCA-7), 12, pp. Systems, in 13th IEEE Int. Symp. on Fault-Tolerant Computing (FTCS-13), Dependable Computing and Fault-Tolerant Systems concerned with an important basic question: can we rely on computer systems for critical applications? Dependable Computing and Fault-Tolerant Systems International Working Conference on Dependable Computing for Critical Applications, sponsored by IFIP