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Nota di contenuto	High integrity computing -- Using higher-order logic for modular specification of real-time distributed systems -- Timed specifications for the development of real-time systems -- Applications of temporal logic to the specification of real time systems -- From a synchronous declarative language to a temporal logic dealing with multiform time -- A specification language for reliable real-time systems -- Timed acceptances: A model of time dependent processes -- Responsive sequential processes -- Static analysis of real-time distributed systems -- Low level synchronisation problems in digital systems -- Reasoning about uncertainty in fault-tolerant distributed systems -- Paradigms for real-time systems -- Towards a theory of replicated processing -- Reasoning about atomic objects -- A formal treatment of interference in remote procedure calls -- List of authors and addresses.
Sommario/riassunto	This is a collection of papers from the Symposium on Formal Techniques in Real-Time and Fault-Tolerant Systems held at the University of Warwick on 22-23 September 1988. The papers cover a variety of subjects in these areas and illustrate different approaches to modeling safety critical systems. Important notions of time, synchrony, redundancy and replication are examined using assertional reasoning, temporal logic and the logics of knowledge. The volume will be invaluable to researchers in formal modeling of concurrency, real-time

and fault-tolerance, and to software engineers in safety-critical applications.