Record Nr. UNINA9910483066803321 Architecting dependable systems III / / Rogerio de Lemos, Cristina Titolo Gacek, Alexander Romanovsky (eds.) Pubbl/distr/stampa Berlin, : Springer, 2005 Edizione [1st ed. 2005.] Descrizione fisica 1 online resource (XIV, 343 p.) Collana Lecture notes in computer science, , 0302-9743 ; ; 3549 Altri autori (Persone) LemosRogerio de <1961-> GacekCristina <1964-> RomanovskyAlexander <1954-> Disciplina 004.2/2 Soggetti Computer architecture Computer systems - Reliability Fault-tolerant computing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. pt. 1. Architectures for dependable services -- pt. 2. Monitoring and Nota di contenuto reconfiguration in software architectures -- pt. 3. Dependability support for software architectures -- pt. 4. Architectural evaluation -pt. 5. Architectural abstractions for dependability. Sommario/riassunto As software systems become ubiquitous, the issues of dependability become more and more crucial. Given that solutions to these issues must be considered from the very beginning of the design process, it is reasonable that dependability is addressed at the architectural level. This book comes as a result of an effort to bring together the research communities of software architectures and dependability. This stateof-the-art survey contains 16 carefully selected papers originating from the Twin Workshops on Architecting Dependable Systems (WADS 2004) accomplished as part of the International Conference on Software Engineering (ICSE 2004) in Edinburgh, UK and of the International Conference on Dependable Systems and Networks (DSN 2004) in Florence, Italy. The papers are organised in topical sections on

architectures for dependable services, monitoring and reconfiguration

architectures, architectural evaluation, and architectural abstractions

in software architectures, dependability support for software