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Nota di contenuto	Fast and Efficient Context-Aware Services; Contents; Foreword; Abbreviations; 1. Introduction; 1.1. Context-Aware Services; 1.2. The Context Project; 1.3. Structure of the Book; 1.4. Acknowledgements; 2. Context Awareness and Modeling: Background; 2.1. Some Context Definitions; 2.2. Context-Aware Service; 2.3. Context-Awareness System Research; 2.3.1. Context-Aware Ubiquitous Computing Applications; 2.3.2. Context-Aware Frameworks; 2.3.3. Context-Aware Application Life Cycle; 2.3.4. Context in GRID Computing; 2.3.5. Context-Aware Sensors' Computing; 2.3.6. Context-Aware Ontologies 2.3.7. Context in Mobile Systems and Devices2.3.8. Context Aware Communications; 2.3.9. Context-Aware Flows; References; 3. The Service Life Cycle Functional Architecture; 3.1. Introduction; 3.2. Service Life Cycle Model for Context-Aware Services; 3.3. Service Creation; 3.3.1. CAS Authoring; 3.3.2. Service Customization; 3.3.3. Code and Policies Generation Engine; 3.4. Service Management; 3.4.1. Code Distributor; 3.4.2. Code Execution Controller; 3.4.3. Invocation Service Listener; 3.4.4. Service Assurance; 3.5. Conclusions; References; 4. Context-Aware Services and the Network Layer

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Sommario/riassunto

Fast and Efficient Context-Aware Services gives a thorough explanation of the state-of-the-art in Context-Aware-Services (CAS). The authors describe all major terms and components of CAS, defining context and discussing the requirements of context-aware applications and their use in 3rd generation services. The text covers the service creation problem as well as the network technology alternatives to support these services and discusses active and programmable networks in detail. It gives an insight into the practical approach followed in the CONTEXT project, supplying concrete guidelines for

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