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Nota di contenuto	Requirements Engineering The Agent at the Center of the Requirements Engineering Process Lexicon Based Ontology Construction Multi-agent Systems and Security Requirements Analysis Software Architecture and Design Separation of Concerns in Multi-agent Systems: An Empirical Study Architecting the Design of Multi-agent Organizations with Proto-frameworks A

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	Basic Taxonomy for Role Composition Modeling Object-Oriented Modeling Approaches to Agent-Based Workflow Services Using the MAS-ML to Model a Multi-agent System Software Engineering Challenges for Mutable Agent Systems Dependability Improving Exception Handling in Multi-agent Systems On Manageability and Robustness of Open Multi-agent Systems On Manageability and Robustness of Open Multi-agent Systems Security Mechanisms for Mobile Agent Platforms Based on SPKI/SDSI Chains of Trust MAS Frameworks Farm: A Scalable Environment for Multi-agent Development and Evaluation Role-Based Approaches for Engineering Interactions in Large-Scale Multi-agent Systems Evaluating Agent Architectures: Cougaar, Aglets and AAA.
Sommario/riassunto	Advances in networking technology have revitalized the investigation of agent technologyasapromisingparadigmforengineeringcomplexdistributedsoft ware systems. Agent technology has been applied to a wide range of application - mains, including e-commerce, human-computer interfaces, telecommunications, and software assistants. Multi-agent systems (MASs) and their underlying t- ories provide a more natural support for ensuring important properties such as autonomy, mobility, environment heterogeneity, organization, openness, and intelligence. As a consequence, agent-based systems are likely to provide new - proaches to dealing with the complexity of developing and maintaining modern software. However, developing robust large-scale agent-based systems will - quire new software engineering approaches. There are currently many methods and techniques for working with individual agents or with systems built using only a few agents. Unfortunately, agent-based software engineering is still in its infancy and existing software engineering approaches are unable to cope with large MASs. The complexity associated with a large MAS is considerable. When a huge number of agents interact over heterogeneous environments, various phenomena occur which are not as easy to capture as when only a few agents are working together. As the multiple software agents are highly collaborative and operate in networked environments, they have to be context-aware and deal with - vironment uncertainty. This makes their coordination and management more di?cult and increases the likelihood of exceptional situations, such as security holes, privacy violations, and unexpected global e?ects. Moreover, as users and softwareengineersdelegatemoreautonomytotheirMASs, andputmoretrustin their results, new concerns arise in real-life applications.