Record Nr. UNINA9910457601103321 Modular ontologies [[electronic resource]]: proceedings of the fifth **Titolo** international workshop (WoMO 2011) // edited by Oliver Kutz and Thomas Schneider Amsterdam, The Netherlands, : IOS Press, 2011 Pubbl/distr/stampa **ISBN** 6613289957 1-283-28995-4 9786613289957 1-60750-799-4 Descrizione fisica 1 online resource (148 p.) Frontiers in artificial intelligence and applications, , 0922-6389;; v. Collana 230 **KutzOliver** Altri autori (Persone) SchneiderThomas Disciplina 111 Soggetti Ontologies (Information retrieval) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto Title Page; Preface; Contents; Goals of Modularity: A Voice from the Foundational Viewpoint; Modularity Issues in Biomedical Ontologies; Query Inseparability and Module Extraction in OWL 2 QL; Applying Community Detection Algorithms on Ontologies for Identifying Concept Groups; The Modular Structure of an Ontology: Atomic Decomposition and Module Count; Modular Approach for a New Ontology; Exploiting Modularity for Ontology Verification; Modularization Requirements in Bio-Ontologies: A Case Study of ChEBI Modeling the Diversity of Spatial Information by Using Modular Ontologies and Their CombinationsSimple Reasoning for Contextualized RDF Knowledge; The Onto-Logical Translation Graph; Constructing an Ontology Repository: A Case Study with Theories of Time Intervals; Subject Index; Author Index Modularity has been and continues to be one of the central research Sommario/riassunto topics in ontology engineering, still catching up with 40 years of

related research in software engineering. The workshops on Modular

Ontologies (WoMO) bring together researchers from different disciplines who study the problem of modularity in ontologies at a fundamental level, develop design tools for distributed ontology engineering, and apply modularity to different use cases and application scenarios. The contributions in this volume are of interest to researchers, students and practitioners interested in foundations of