

1. Record Nr.	UNINA9911019873703321
Autore	Ponniah Paulraj
Titolo	Data modeling fundamentals : a practical guide for IT professionals / / Paulraj Ponniah
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2007
ISBN	9786610916702 9781280916700 1280916702 9780470141021 0470141026 9780470141014 0470141018
Descrizione fisica	1 online resource (460 p.)
Disciplina	005.74
Soggetti	Database design Data structures (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 423-424) and index.
Nota di contenuto	DATA MODELING FUNDAMENTALS; CONTENTS; PREFACE; ACKNOWLEDGMENTS; I INTRODUCTION TO DATA MODELING; 1 Data Modeling: An Overview; Chapter Objectives; Data Model Defined; What Is a Data Model?; Why Data Modeling?; Who Performs Data Modeling?; Information Levels; Classification of Information Levels; Data Models at Information Levels; Conceptual Data Modeling; Data Model Components; Data Modeling Steps; Data Model Quality; Significance of Data Model Quality; Data Model Characteristics; Ensuring Data Model Quality; Data System Development; Data System Development Life Cycle Roles and ResponsibilitiesModeling the Information Requirements; Applying Agile Modeling Principles; Data Modeling Approaches and Trends; Data Modeling Approaches; Modeling for Data Warehouse; Other Modeling Trends; Chapter Summary; Review Questions; 2 Methods, Techniques, and Symbols; Chapter Objectives; Data Modeling Approaches; Semantic Modeling; Relational Modeling; Entity-

Relationship Modeling; Binary Modeling; Methods and Techniques; Peter Chen (E-R) Modeling; Information Engineering; Integration Definition for Information Modeling; Richard Barker's Model; Object-Role Modeling
eXtensible Markup LanguageSummary and Comments; Unified Modeling Language; Data Modeling Using UML; UML in the Development Process; Chapter Summary; Review Questions; II DATA MODELING FUNDAMENTALS; 3 Anatomy of a Data Model; Chapter Objectives; Data Model Composition; Models at Different Levels; Conceptual Model: Review Procedure; Conceptual Model: Identifying Components; Case Study; Description; E-R Model; UML Model; Creation of Models; User Views; View Integration; Entity Types; Specialization/Generalization; Relationships; Attributes; Identifiers; Review of the Model Diagram
Logical Model: OverviewModel Components; Transformation Steps; Relational Model; Physical Model: Overview; Model Components; Transformation Steps; Chapter Summary; Review Questions; 4 Objects or Entities in Detail; Chapter Objectives; Entity Types or Object Sets; Comprehensive Definition; Identifying Entity Types; Homonyms and Synonyms; Category of Entity Types; Exploring Dependencies; Dependent or Weak Entity Types; Classifying Dependencies; Representation in the Model; Generalization and Specialization; Why Generalize or Specialize?; Supertypes and Subtypes; Generalization Hierarchy
Inheritance of AttributesInheritance of Relationships; Constraints; Rules Summarized; Special Cases and Exceptions; Recursive Structures; Conceptual and Physical; Assembly Structures; Entity Type Versus Attribute; Entity Type Versus Relationship; Modeling Time Dimension; Categorization; Entity Validation Checklist; Completeness; Correctness; Chapter Summary; Review Questions; 5 Attributes and Identifiers in Detail; Chapter Objectives; Attributes; Properties or Characteristics; Attributes as Data; Attribute Values; Names and Descriptions; Attribute Domains; Definition of a Domain
Domain Information

Sommario/riassunto

The purpose of this book is to provide a practical approach for IT professionals to acquire the necessary knowledge and expertise in data modeling to function effectively. It begins with an overview of basic data modeling concepts, introduces the methods and techniques, provides a comprehensive case study to present the details of the data model components, covers the implementation of the data model with emphasis on quality components, and concludes with a presentation of a realistic approach to data modeling. It clearly describes how a generic data model is created to represent truly the ent

2. Record Nr.	UNINA9910962885403321
Autore	Bullo Francesco
Titolo	Distributed control of robotic networks : a mathematical approach to motion coordination algorithms / / Francesco Bullo, Jorge Cortés, Sonia Martínez
Pubbl/distr/stampa	Princeton, NJ : , : Princeton University Press, , [2009]
ISBN	9786612458200 9786612935756 9781680158977 168015897X 9781282458208 1282458205 9781282935754 1282935755 9781400831470 1400831474 0691141959
Edizione	[Course Book]
Descrizione fisica	1 online resource (333 pages) : illustrations
Collana	Princeton series in applied mathematics
Classificazione	SK 880
Disciplina	629.8/9246
Soggetti	Robotics Computer algorithms Robots - Control systems Robòtica Robots - Sistemes de control Algorismes computacionals
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Chapter One. An introduction to distributed algorithms -- Chapter Two. Geometric models and optimization -- Chapter Three. Robotic network models and complexity notions -- Chapter Four. Connectivity maintenance and rendezvous -- Chapter Five. Deployment -- Chapter Six. Boundary

Sommario/riassunto

This self-contained introduction to the distributed control of robotic networks offers a distinctive blend of computer science and control theory. The book presents a broad set of tools for understanding coordination algorithms, determining their correctness, and assessing their complexity; and it analyzes various cooperative strategies for tasks such as consensus, rendezvous, connectivity maintenance, deployment, and boundary estimation. The unifying theme is a formal model for robotic networks that explicitly incorporates their communication, sensing, control, and processing capabilities--a model that in turn leads to a common formal language to describe and analyze coordination algorithms. Written for first- and second-year graduate students in control and robotics, the book will also be useful to researchers in control theory, robotics, distributed algorithms, and automata theory. The book provides explanations of the basic concepts and main results, as well as numerous examples and exercises. Self-contained exposition of graph-theoretic concepts, distributed algorithms, and complexity measures for processor networks with fixed interconnection topology and for robotic networks with position-dependent interconnection topology Detailed treatment of averaging and consensus algorithms interpreted as linear iterations on synchronous networks Introduction of geometric notions such as partitions, proximity graphs, and multicenter functions Detailed treatment of motion coordination algorithms for deployment, rendezvous, connectivity maintenance, and boundary estimation

3. Record Nr.	UNIORUON00498292
Autore	SCHAPIRO, Meyer
Titolo	Arte romanica / Meyer Schapiro ; traduzione di Adriano Sofri
Pubbl/distr/stampa	Torino, : G. Einaudi, c1977
ISBN	88-06-60025-7
Descrizione fisica	XXI, 409 p., [34] c. di tav. : ill. ; 22 cm.
Disciplina	709.0216
Soggetti	Arte romanica
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia