

1. Record Nr.	UNISA996466743903316
Autore	Murti Y. V. G. S.
Titolo	Physics of nonlinear optics / / Y. V. G. S. Murti and C. Vijayan
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-73979-1
Edizione	[Second edition.]
Descrizione fisica	1 online resource (188 pages)
Disciplina	535.2
Soggetti	Statistical physics Microwaves Optical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	The book is designed to serve as a textbook for courses offered to upper-undergraduate students enrolled in physics. The first edition of this book was published in 2014. As there is a demand for the next edition, it is quite natural to take note of the several advances that have occurred in the subject over the past five years and to decide which of these are appropriate for inclusion at the textbook level, given the fundamental nature and the significance of the subject area. This is the prime motivation for bringing out a revised second edition. Among the newer mechanisms and materials, the book introduces the super-continuum generation, which arises from an excellent interplay of the various mechanisms of optical nonlinearity. The topics covered in this book are quantum mechanics of nonlinear interaction of matter and radiation, formalism and phenomenology of nonlinear wave mixing processes, optical phase conjugation and applications, self-focusing and self-phase modulation and their role in pulse modification, nonlinear absorption mechanisms, and optical limiting applications, photonic switching and bi-stability, and physical mechanisms leading to a nonlinear response in a variety of materials. This book has emerged from an attempt to address the requirement of presenting the subject at the college level. This textbook includes rigorous features

such as the elucidation of relevant basic principles of physics; a clear exposition of the ideas involved at an appropriate level; coverage of the physical mechanisms of non-linearity; updates on physical mechanisms and emerging photonic materials and emphasis on the experimental study of nonlinear interactions. The detailed coverage and pedagogical tools make this an ideal textbook for students and researchers enrolled in physics and related courses.

2. Record Nr.	UNINA9910824398603321
Autore	Owen James <1980->
Titolo	Labour and the caucus : working-class radicalism and organised Liberalism in England, 1868-88 / / James Owen [[electronic resource]]
Pubbl/distr/stampa	Liverpool : , : Liverpool University Press, , 2014
ISBN	1-78138-565-3 1-78138-720-6
Descrizione fisica	1 online resource (viii, 244 pages) : digital, PDF file(s)
Collana	Studies in labour history ; ; 3
Disciplina	320.53094109034
Soggetti	Radicalism - Great Britain - History - 19th century Liberalism - Great Britain - History - 19th century Working class - Political activity - Great Britain - History - 19th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 28 Aug 2017).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Half-title; Title page; Copyright page; Dedication; Contents; Acknowledgements; Abbreviations; Introduction; Chapter 1; Chapter 2; Chapter 3; Chapter 4; Chapter 5; Epilogue; Appendix I; Appendix II; Bibliography; Index
Sommario/riassunto	Labour and the Caucus provides a new, innovative pre-history of the Labour party. In the two decades following the Second Reform Act there was a sustained and concerted campaign for working-class parliamentary representation from a range of labour organisations to an extent that was hitherto unseen in British political history. The franchise revolution of 1867 and the controversial introduction of more sophisticated forms of electoral machinery, which became known as the

'caucus', raised serious questions not only for a labour movement seeking to secure political representation but also for a Liberal party that had to respond to the pressures of mass politics. Through a close examination of the interactions between labour and the 'caucus' from the 1868 general election to Keir Hardie's independent labour candidature in 1888, this book provides a comprehensive and multi-layered picture of the troubled relationship between working-class radicals and organised Liberalism. The electoral strategy of labour candidates, the links between urban and rural radicalism, the impact of the National Liberal Federation, the influence of American and Irish politics on the labour movement, the revival of socialism, and the contested identity of a 'Labour party' are all examined from fresh perspectives. In doing so, this book challenges the existing teleological assumptions about the rise of independent labour, and explores the questions that remain about how working-class radicals and Liberals shared and negotiated power, and how this relationship changed over time.

---

3. Record Nr.

UNINA9910484664103321

**Titolo**

Advances in Conceptual Modeling : ER 2016 Workshops, AHA, MoBiD, MORE-BI, MReBA, QMMQ, SCME, and WM2SP, Gifu, Japan, November 14–17, 2016, Proceedings // edited by Sebastian Link, Juan C. Trujillo

**Pubbl/distr/stampa**

Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016

**ISBN**

3-319-47717-X

**Edizione**

[1st ed. 2016.]

**Descrizione fisica**

1 online resource (XXIII, 251 p. 78 illus.)

**Collana**

Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 9975

**Disciplina**

005.74

**Soggetti**

Computer simulation  
Database management  
Software engineering  
Application software  
Business information services  
Computer Modelling  
Database Management  
Software Engineering  
Computer and Information Systems Applications  
IT in Business

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	<p>Intro -- Preface -- ER 2016 Workshop Organization -- Abstracts of Keynotes -- Managing and Exploring GPS Trajectories -- A Capability-Driven Development Approach for Requirements and Business Process Modeling -- Grounding for Ontological Architecture Quality: Metaphysical Choices -- Contents -- Keynotes -- A Capability-Driven Development Approach for Requirements and Business Process Modeling -- Abstract -- 1 Introduction -- 2 Why a CDD-Based Approach? -- 3 The Methodological Approach -- 4 Conclusions -- References -- Grounding for Ontological Architecture Quality: Metaphysical Choices -- 1 Introduction -- 2 Information Grounding -- 3 First-Third Person Divergence -- 4 Information Grounding Architectural Framework -- 5 Summary -- Acknowledgements -- References -- Conceptual Modelling for Ambient Assistance and Healthy Ageing -- Part2 -- A Model-Driven Engineering Approach for the Well-Being of Ageing People -- 1 Introduction -- 2 Geras Framework -- 3 Running Example -- 4 Related Work -- 5 Conclusion and Future Work -- References -- The Cultural Background and Support for Smart Web Information Systems -- 1 The HOME Approach to Systems -- 1.1 The Janus Head for Web Information System Development -- 1.2 Towards Smart Systems Supporting Users with Their Life Cases -- 1.3 Adaptation of Dynamic or Generic Systems -- 1.4 The Paper -- 2 Cultures of System Users Matter -- 2.1 National and Regional Cultures of Users -- 2.2 Cultural Varieties and Their Way of System Usage -- 2.3 Cultural Stereotypes for Dynamic or Generic Systems -- 2.4 User Stereotypes -- 3 Support for Cultures -- 3.1 The Six Dimensions of Web Information Systems -- 3.2 Stereotypes as Generic Models -- 3.3 Deploying the Culture Stereotypes for Story Space Development -- 3.4 Deploying the Culture Stereotypes for Content Development.</p> <p>3.5 Deploying the Culture Stereotypes for Functionality Development -- 3.6 Deploying the Culture Stereotypes for Presentation Development -- 4 Conclusion -- References -- Modelling and Management of Big Data -- Walmart Online Grocery Personalization: Behavioral Insights and Basket Recommendations -- 1 Introduction -- 2 Related Work -- 3 Online Grocery Shopping Behaviors -- 4 Basket Recommendations -- 4.1 Basket Recommendation Algorithm -- 4.2 Cobought Models -- 5 Performance -- 5.1 Cobought Models -- 5.2 Basket Recommendation Algorithm: Offline Tests -- 5.3 Basket Recommendation Algorithm: Online Tests -- 6 Conclusion -- References -- Searching for Optimal Configurations Within Large-Scale Models: A Cloud Computing Domain -- 1 Introduction -- 2 Context and Case Study -- 2.1 Case Study: Deploying a JEE Application in the Cloud -- 3 A Metamodel for Dimensional Variability Modeling -- 4 Processes for Searching for Optimal Configurations -- 5 Application to the Cloud Computing Case Study -- 6 Related Work -- 7 Discussion -- References -- A Link-Density-Based Algorithm for Finding Communities in Social Networks -- 1 Introduction -- 2 Communities in Social Networks -- 3 Related Work on Label Propagation -- 4 Link-Density-Based Preferential Attachment -- 5 Fuzzy Label Propagation for Detecting Overlapping Communities -- 6 Experimental Evaluation -- 7 Discussion -- 8 Conclusion and Future Work -- References -- Modelling and Reasoning</p>

for Business Intelligence -- Accepted Papers -- MORE-BI Organizing Committee -- MORE-BI Steering Committee -- MORE-BI 2015 Program Committee -- Searching for Patterns in Sequential Data: Functionality and Performance Assessment of Commercial and Open-Source Systems -- 1 Introduction -- 2 Related Work -- 3 Experimental Setup -- 4 Experimental Evaluation -- 4.1 n-Elements Pattern Query -- 4.2 At Least n-Elements Pattern Query.

4.3 Variable Selectivities of Pattern Queries -- 5 Conclusions and Future Work -- References -- Analysis of Natural and Technogenic Safety of the Krasnoyarsk Region Based on Data Mining Techniques -- Abstract -- 1 Introduction -- 2 Data Description -- 3 Principal Component Analysis -- 3.1 Contribution of the Data Attributes to the Principal Components -- 3.2 Data Distribution on the Principal Components -- 4 Cluster Analysis -- 4.1 Two-Cluster Structure -- 4.2 Three-Cluster Structure -- 5 Conclusion -- References -- From Design to Visualization of Spatial OLAP Applications: A First Prototyping Methodology -- Abstract -- 1 Introduction -- 2 Related Work -- 3 Motivation -- 4 Framework SOLAP Visualization -- 5 Prototyping Methodology -- 5.1 Background -- 5.2 SOLAP Prototyping Methodology -- 6 Implementation -- 7 Conclusion -- Acknowledgement -- References -- Conceptual Modeling in Requirements and Business Analysis -- Part5 -- Workshop Organizers -- Steering Committee -- Table of Contents -- Full Papers -- Bridging User Story Sets with the Use Case Model -- 1 Introduction -- 2 Related Work and Positioning -- 3 Unified-Model of User Stories' Descriptive Concepts -- 4 Running Example -- 5 User Stories Integration Through a Use-Case Diagram -- 5.1 The Role -- 5.2 Hard-Goal, Task and Capability -- 5.3 The Soft-Goal -- 6 Automating the Approach and Round-Tripping Between Views -- 7 Impact on Produced Software: Future Work -- 8 Validity and Threats to the Validity: Future Work -- 9 Conclusion -- References -- A Study on Tangible Participative Enterprise Modelling -- 1 Introduction -- 2 Background -- 3 Research Design -- 3.1 Object of Study (OoS) -- 3.2 Treatment Design -- 3.3 Measurement Design -- 4 Results -- 5 Conclusions and Future Work -- References -- Bridging the Requirements Engineering and Business Analysis Toward a Unified Knowledge Framework.

Abstract -- 1 Introduction -- 2 Related Works -- 3 Approach -- 4 Perspective-Based Review of BOKs and Literature -- 4.1 Summary of Review -- 4.2 RE (Requirements Engineering) -- 4.3 BA (Business Analysis) -- 4.4 BPM (Business Process Management) -- 4.5 Business Architecture and BAM (Business Architecture Management) -- 5 A Unified Knowledge Framework -- 6 Discussions -- 7 Conclusions -- References -- Quality of Models and Models of Quality -- An Exploratory Analysis on the Comprehension of 3D and 4D Ontology-Driven Conceptual Models -- Abstract -- 1 Introduction -- 2 Design of Empirical Comparison -- 3 Results -- 4 Discussion -- 5 Conclusion -- Acknowledgements -- References -- Data Quality Problems When Integrating Genomic Information -- 1 Introduction -- 2 Data Quality in Genomics - State of the Art -- 3 Materials and Methods -- 3.1 Data Quality Dimensions -- 3.2 Application to Genomic Databases -- 4 Results -- 4.1 Accuracy -- 4.2 Completeness -- 4.3 Reliability -- 4.4 Consistency -- 4.5 Uniqueness -- 4.6 Currency -- 5 Conclusions -- References -- The Design of a Core Value Ontology Using Ontology Patterns -- Abstract -- 1 Introduction -- 2 Methodology -- 3 Building the Core Value Ontology -- 4 Healthcare Use Case Illustration -- 5 Conclusion and Discussion -- References -- Conceptual Modelling Education -- YASQLT - Yet Another SQL Tutor -- Abstract -- 1 Introduction -- 2 Background -- 2.1 The Organization -- 2.2 The

Course -- 2.3 The Project Assignment Related to SQL -- 2.4 Problems with Manual Assessment -- 2.5 Project Initiation -- 3 Main Ideas Behind YASQLT -- 4 Overview of Technical Architecture -- 5 Evaluation of Results -- 6 Conclusion -- Acknowledgements -- References -- Human Factors in the Adoption of Model-Driven Engineering: An Educator's Perspective -- 1 Introduction -- 2 Related Work -- 3 Introductory MDE Course: Version 1.

4 Introductory MDE Course: Version 2 -- 5 Recommendations and Lessons Learned -- 6 Conclusions -- References -- Learning Pros and Cons of Model-Driven Development in a Practical Teaching Experience -- Abstract -- 1 Introduction -- 2 Related Works -- 3 Teaching Methodology -- 3.1 Design of the Practical Experience -- 4 Results -- 5 Discussion in the Classroom -- 6 Conclusions -- References -- Models and Modelling on Security and Privacy -- Towards Provable Security of Dynamic Source Routing Protocol and Its Applications -- 1 Introduction -- 1.1 Backgrounds -- 1.2 Contributions -- 1.3 Paper Organization -- 2 Related Works -- 3 Definition of Network Configurations -- 3.1 Definition of Ad Hoc Networks -- 3.2 Topology-Based Routing Protocol -- 3.3 Route Discovery -- 3.4 Route Maintenance -- 4 Dynamic Source Routing Protocol -- 4.1 Routing Table -- 4.2 Route Discovery -- 4.3 Route Maintenance -- 5 Application to Secure Routing Protocols -- 5.1 Overview of Secure Routing Protocols -- 5.2 Instantiations of Secure Routing Protocols -- 6 Conclusion -- References -- Tool Demonstrations -- A Tool for Analyzing Variability Based on Functional Requirements and Testing Artifacts -- Abstract -- 1 Introduction: Research Background and Application Context -- 2 Key Technologies and Technical Challenges -- 3 Novelty and Relations to Pre-existing Work -- 4 Demonstration -- 5 Conclusions -- Appendix: Screenshots from the Supporting Tool -- References -- Author Index.

---

#### Sommario/riassunto

This book constitutes the refereed proceedings of seven workshops and a symposium, held at the 35th International Conference on Conceptual Modeling, ER 2016, in Gifu, Japan. The 19 revised full and 3 keynote papers were carefully reviewed and selected out of 52 submissions to the following events: Conceptual Modeling for Ambient Assistance and Healthy Ageing, AHA 2016; Modeling and Management of Big Data, MoBiD 2016; Modeling and Reasoning for Business Intelligence, MORE-BI 2016; Conceptual Modeling in Requirements and Business Analysis, MREBA 2016; Quality of Models and Models of Quality, QMMQ 2016; and the Symposium on Conceptual Modeling Education, SCME 2016; and Models and Modeling on Security and Privacy, WM2SP 2016.

---