

1. Record Nr.	UNINA9910298288103321
Titolo	T-type Calcium Channels in Basic and Clinical Science / / edited by Stephen W. Schaffer, Ming Li
Pubbl/distr/stampa	Vienna : , : Springer Vienna : , : Imprint : Springer, , 2015
ISBN	3-7091-1413-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (158 p.)
Disciplina	571.6 610 611.01816 612
Soggetti	Molecular biology Cytology Human physiology Molecular Medicine Cell Biology Human Physiology
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	Key Characteristics of T-type calcium channels (E. Perez-Reyes, author) -- Novel T-type calcium channel blockers (M Li, author) -- Promotion of cell proliferation by T-type calcium channels (N. Prevarskaya, author) -- Role of T-type calcium channels in neuronal differentiation (P. Lory, author) -- T-type calcium channel and nociception (H.S. Shin, author) -- Activation of endothelial cells by T-type calcium channels (S. Wu, author) -- Link between seizures and T-type calcium channels (Y. Chen, author) -- Regulation of renal function by T-type calcium channels (P.B. Hansen, author) -- Effect of T-type calcium channel activation on smooth muscle cell function (L Cribbs, author) -- Does the T-type calcium channel have a function in the heart? (S. Schaffer, author) -- Calcium entry via the T-type calcium channel modulates retinal function (E. Carbone, author).- T-type calcium channel and intestines -- Role of T-type calcium channel in bone development (M.C. Farach-Carson, author) -- Regulation of pancreatic secretory function

by T-type calcium channel (P.O. Berggren, author) -- Role of T-type calcium channel in reproduction (T.W. Soong, author) .

Sommario/riassunto

T-type calcium channels are prevalent in every organ of the body, and are believed to play a part in a variety of physiological processes, including contraction, shape change, secretion, endo- and exocytosis, cell proliferation and differentiation, modulation of enzyme function, and cell cycle progression. As such, research on the roles of these channels in a wide range of diseases has attracted increasing attention in recent years. The purpose of this book is to present a series of unique and comprehensive reviews of our current understanding of T-type calcium channels at the level of the basic sciences as well as the clinical sciences. For key organ systems, information is provided on the correlation between the molecular, biophysical and pharmacological properties of the channels, their cellular mechanisms, and their potential roles in the pathogenesis of various diseases. The compilation presents both commonplace and less well-known findings on these channels in a format designed to appeal to both casual readers and specialists in basic and clinical research on these transporters.

2. Record Nr.	UNINA9911107685403321
Autore	Lammle Todd
Titolo	CCENT study guide exam : 100-101 (ICND1) / / Todd Lammle
Pubbl/distr/stampa	Indianapolis, Ind., : Wiley, c2013
ISBN	9781118749500 1118749502
Edizione	[1st ed.]
Descrizione fisica	1 online resource (746 p.)
Disciplina	004.6 004.6076
Soggetti	Electronic data processing personnel - Certification Computer networks - Examinations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents; Introduction; Cisco's Network Certifications; What Does This

Book Cover?; What's Available Online?; How to Use This Book; Where Do You Take the Exams?; Assessment Test; Answers to Assessment Test; Chapter 1: Internetworking; Internetworking Basics; Internetworking Models; The OSI Reference Model; Summary; Exam Essentials; Written Labs; Review Questions; Chapter 2: Ethernet Networking and Data Encapsulation; Ethernet Networks in Review; Ethernet Cabling; Data Encapsulation; The Cisco Three-Layer Hierarchical Model; Summary; Exam Essentials; Written Labs; Review Questions
 Chapter 3: Introduction to TCP/IPIntroducing TCP/IP; TCP/IP and the DoD Model; IP Addressing; IPv4 Address Types; Summary; Exam Essentials; Written Labs; Review Questions; Chapter 4: Easy Subnetting; Subnetting Basics; Summary; Exam Essentials; Written Labs; Review Questions; Chapter 5: VLSMs, Summarization, and Troubleshooting TCP/IP; Variable Length Subnet Masks (VLSMs); Summarization; Troubleshooting IP Addressing; Summary; Exam Essentials; Written Lab 5; Review Questions; Chapter 6: Cisco's Internetworking Operating System (IOS); The IOS User Interface; Command-Line Interface (CLI) Administrative ConfigurationsRouter and Switch Interfaces; Viewing, Saving, and Erasing Configurations; Summary; Exam Essentials; Written Lab 6; Hands-on Labs; Review Questions; Chapter 7: Managing a Cisco Internetwork; The Internal Components of a Cisco Router and Switch; Backing Up and Restoring the Cisco Configuration; Configuring DHCP; Network Time Protocol (NTP); Using Cisco Discovery Protocol (CDP); Using Telnet; Resolving Hostnames; Checking Network Connectivity and Troubleshooting; Summary; Exam Essentials; Written Lab 7; Hands-on Labs; Review Questions; Chapter 8: IP Routing
 Routing BasicsThe IP Routing Process; Configuring IP Routing; Configuring IP Routing in Our Network; Dynamic Routing; Routing Information Protocol (RIP); Summary; Exam Essentials; Written Lab 8; Hands-on Labs; Review Questions; Chapter 9: Open Shortest Path First (OSPF); Open Shortest Path First (OSPF) Basics; Configuring OSPF; OSPF and Loopback Interfaces; Verifying OSPF Configuration; Summary; Exam Essentials; Written Lab 9; Hands-on Labs; Review Questions; Chapter 10: Layer 2 Switching; Switching Services; Configuring Catalyst Switches; Summary; Exam Essentials; Written Lab 10
 Hands-on LabsReview Questions; Chapter 11: VLANs and InterVLAN Routing; VLAN Basics; Identifying VLANs; Routing between VLANs; Configuring VLANs; Summary; Exam Essentials; Written Lab 11; Hands-on Labs; Review Questions; Chapter 12: Security; Perimeter, Firewall, and Internal Routers; Introduction to Access Lists; Standard Access Lists; Extended Access Lists; Monitoring Access Lists; Summary; Exam Essentials; Written Lab 12; Hands-on Labs; Review Questions; Chapter 13: Network Address Translation (NAT); When Do We Use NAT?; Types of Network Address Translation; NAT Names; How NAT Works
 Testing and Troubleshooting NAT

Sommario/riassunto

The latest offering from Cisco Expert Todd Lammle for the New CCENT Certification Written by industry expert and Cisco networking guru, Todd Lammle, CCENT Study Guide improves on the popular Sybex Study Guide approach by providing 100 percent coverage of the ICND1 (#100-101) exam objectives. The book contains detailed information and examples on crucial Cisco networking topics, and provides practical examples and insights drawn from Todd's almost 30 years of real-world experience. You'll also have access to dozens of hands-on labs to get the necessary experience needed to pass

3. Record Nr.	UNINA9911098572103321
Titolo	Computational methods for applied inverse problems / / edited by Yanfei Wang, Anatoly G. Yagola, Changchun Yang
Pubbl/distr/stampa	Berlin, : De Gruyter, 2012
ISBN	9781283856706 1283856700 9783110259056 3110259052
Edizione	[1st ed.]
Descrizione fisica	1 online resource (552 p.)
Collana	Inverse and ill-posed problems series ; ; 56
Classificazione	SK 920
Altri autori (Persone)	WangYanfei <1973-> YagolaA. G YangChangchun <1945->
Disciplina	515 515.35 515/.35
Soggetti	Inverse problems (Differential equations) - Numerical solutions Differential equations - Numerical solutions
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	Front matter -- Preface -- Editor's Preface -- Contents -- Part I. Introduction -- Chapter 1. Inverse Problems of Mathematical Physics / Kabanikhin, S. I. -- Part II. Recent Advances in Regularization Theory and Methods -- Chapter 2. Using Parallel Computing for Solving Multidimensional Ill-posed Problems / Lukyanenko, D. V. / Yagola, A. G. -- Chapter 3. Regularization of Fredholm Integral Equations of the First Kind using Nyström Approximation / Nair, M. T. -- Chapter 4. Regularization of Numerical Differentiation: Methods and Applications / Xiao, T. Y. / Zhang, H. / Hao, L. L. -- Chapter 5. Numerical Analytic Continuation and Regularization / Fu, C. L. / Cheng, H. / Ma, Y. J. -- Chapter 6. An Optimal Perturbation Regularization Algorithm for Function Reconstruction and Its Applications / Li, G. S. -- Chapter 7. Filtering and Inverse Problems Solving / Zotov, L. V. / Panteleev, V. L. -- Part III. Optimal Inverse Design and Optimization Methods -- Chapter 8. Inverse Design of Alloys' Chemistry for Specified Thermo-

Mechanical Properties by using Multi-objective Optimization / Dulikravich, G. S. / Egorov, I. N. -- Chapter 9. Two Approaches to Reduce the Parameter Identification Errors / Xiang, Z. H. -- Chapter 10. A General Convergence Result for the BFGS Method / Dai, Y. H. -- Part IV. Recent Advances in Inverse Scattering -- Chapter 11. Uniqueness Results for Inverse Scattering Problems / Liu, X. D. / Zhang, B. -- Chapter 12. Shape Reconstruction of Inverse Medium Scattering for the Helmholtz Equation / Bao, G. / Li, P. J. -- Part V. Inverse Vibration, Data Processing and Imaging -- Chapter 13. Numerical Aspects of the Calculation of Molecular Force Fields from Experimental Data / Kuramshina, G. M. / Kochikov, I. V. / Stepanova, A. V. -- Chapter 14. Some Mathematical Problems in Biomedical Imaging / Liu, J. J. / Xu, H. L. -- Part VI Numerical Inversion in Geosciences -- Chapter 15. Numerical Methods for Solving Inverse Hyperbolic Problems / Kabanikhin, S. I. / Shishlenin, M. A. -- Chapter 16. Inversion Studies in Seismic Oceanography / Song, H. B. / Huang, X. H. / Pinheiro, L. M. / Song, Y. / Dong, C. Z. / Bai, Y. -- Chapter 17. Image Resolution Beyond the Classical Limit / Gelius, L. J. -- Chapter 18. Seismic Migration and Inversion / Wang, Y. F. / Li, Z. H. / Yang, C. C. -- Chapter 19. Seismic Wavefields Interpolation Based on Sparse Regularization and Compressive Sensing / Wang, Y. F. / Cao, J. J. / Sun, T. / Yang, C. C. -- Chapter 20. Some Researches on Quantitative Remote Sensing Inversion / Yang, H. -- Index

Sommario/riassunto

Nowadays inverse problems and applications in science and engineering represent an extremely active research field. The subjects are related to mathematics, physics, geophysics, geochemistry, oceanography, geography and remote sensing, astronomy, biomedicine, and other areas of applications. This monograph reports recent advances of inversion theory and recent developments with practical applications in frontiers of sciences, especially inverse design and novel computational methods for inverse problems. The practical applications include inverse scattering, chemistry, molecular spectra data processing, quantitative remote sensing inversion, seismic imaging, oceanography, and astronomical imaging. The book serves as a reference book and readers who do research in applied mathematics, engineering, geophysics, biomedicine, image processing, remote sensing, and environmental science will benefit from the contents since the book incorporates a background of using statistical and non-statistical methods, e.g., regularization and optimization techniques for solving practical inverse problems.