

Read Free Pdf Inti Equipment Dynamic For Foundations

When somebody should go to the book stores, search initiation by shop, shelf by shelf, it is in point of fact problematic. This is why we give the book compilations in this website. It will certainly ease you to see guide **Pdf Inti Equipment Dynamic For Foundations** as you such as.

By searching the title, publisher, or authors of guide you in fact want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be all best area within net connections. If you aspiration to download and install the Pdf Inti Equipment Dynamic For Foundations, it is utterly simple then, since currently we extend the link to buy and create bargains to download and install Pdf Inti Equipment Dynamic For Foundations as a result simple!

KEY=PDF - MIDDLETON GABRIELLE

VIBRATION PROBLEMS IN STRUCTURES PRACTICAL GUIDELINES

FIB - International Federation for Structural Concrete

SOIL MECHANICS AND FOUNDATION ENGINEERING

Rajsons Publications Pvt. Ltd. ★ABOUT THE BOOK: Soil Mechanics and Foundation Engineering (Geo technical Engineering) is a fast developing branch of Civil Engineering and its study is essential for the successful execution and maintenance of several civil engineering works. The subject of Soil Mechanics and Foundation Engineering forms a part of the curriculum for the students of Civil Engineering. A good text book for the subject is therefore necessary to facilitate proper comprehension of the subject by the students. There are several books available on the subject Soil Mechanics and Foundation Engineering, but the author feels that each of the available books is lacking in one respect or the other. As such none of the available books on the subject is complete in all respects. The author has therefore made an earnest attempt to bring out a book on the subject which may be reckoned as a complete text book in all respects. The text of the book has been divided in two Parts. The Part I deals with the Fundamental Principles of Soil Mechanics. The Part II deals with the Earth Retaining Structures and Foundation Engineering. The subject matter has been presented in a simple unambiguous language which is easy to comprehend. The book covers the syllabus of this subject prescribed by the most of the Indian Universities for the undergraduate courses. ★OUTSTANDING FEATURES : The text has been divided into 2 parts:- (i) Fundamental principles of soil mechanics (ii) Earth retaining Structures & Foundation Engg. The text has been supported by:- (i) Illustrative Examples. (ii) Multiple Choice Ques. (Provided in Appendix) (iii) Competitive Examination Ques. Fo -Eng. Services, Indian Civil Service & those preparing for AMIE examinations ★RECOMMENDATIONS: Degree, Diploma and A.I.M.E. (India) Students and Practicing Civil Engineers ★ABOUT THE AUTHOR: Dr. P.N. Modi B.E., M.E., Ph.D Former Professor of Civil Engineering, M.R. Engineering College, (Now M.N.I.T), Jaipur. Formerly Principal, Kautilya Institute of Technology and Engineering, Jaipur ★BOOK DETAILS: ISBN: 978-81-89401-30-6 Pages: 10041+ 18 Edition: 5th,Year-2019 Size: L-24 B- 18.3 H- 4.1 ★PUBLISHED BY: STANDARD BOOK HOUSE Since 1960 Unit of Rajsons Publications Pvt Ltd Regd Office: 4262/3A Ground Floor Ansari Road Daryaganj New Delhi-110002 +91 011 43551185/43551085/43751128/23250212 Retail Office : 1705-A Nai Sarak Delhi-110006 011 23265506 Website: www.standardbookhouse.com A venture of Rajsons Group of Companies

FOUNDATIONS FOR DYNAMIC EQUIPMENT

FOUNDATION FLASH APPLICATIONS FOR MOBILE DEVICES

Apress * This is the only up-to-date book on the market that covers Flash mobile application development. * Evidence of demand - large companies such as Nokia and Samsung are Flash-enabling their phones. * The book will support the new FlashLite version available with the next version of Flash, released later on this year.

GB 50959-2013: TRANSLATED ENGLISH OF CHINESE STANDARD (GB50959-2013)

LOAD CODE OF NONFERROUS METALS ENGINEERING STRUCTURES

<https://www.chinesestandard.net> This Code is applicable to the structural design of the main works and auxiliary facilities, for new construction and expansion of non-ferrous metal mining, smelting, processing projects.

ADVANCES IN CIVIL ENGINEERING, ICET 2011

Trans Tech Publications Ltd This compilation of peer-reviewed papers covers the subjects of geotechnical engineering, bridge engineering, geological engineering, seismic engineering, tunnel, subway and underground facilities, hydraulic engineering, coastal engineering, surveying engineering, water supply and drainage engineering, heating, gas supply, ventilation and air conditioning works, disaster prevention and mitigation, environmentally-friendly construction and development and cartography and geographic information systems. The work will be of value to anyone working in these fields.

THE ALGORITHMIC FOUNDATIONS OF DIFFERENTIAL PRIVACY

The problem of privacy-preserving data analysis has a long history spanning multiple disciplines. As electronic data about individuals becomes increasingly detailed, and as technology enables ever more powerful collection and curation of these data, the need increases for a robust, meaningful, and mathematically rigorous definition of privacy, together with a computationally rich class of algorithms that satisfy this definition. Differential Privacy is such a definition. The Algorithmic Foundations of Differential Privacy starts out by motivating and discussing the meaning of differential privacy, and proceeds to explore the fundamental techniques for achieving differential privacy, and the application of these techniques in creative combinations, using the query-release problem as an ongoing example. A key point is that, by rethinking the computational goal, one can often obtain far better results than would be achieved by methodically replacing each step of a non-private computation with a differentially private implementation. Despite some powerful computational results, there are still fundamental limitations. Virtually all the algorithms discussed herein maintain differential privacy against adversaries of arbitrary computational power -- certain algorithms are computationally intensive, others are efficient. Computational complexity for the adversary and the algorithm are both discussed. The monograph then turns from fundamentals to applications other than query-release, discussing differentially private methods for mechanism design and machine learning. The vast majority of the literature on differentially private algorithms considers a single, static, database that is subject to many analyses. Differential privacy in other models, including distributed databases and computations on data streams, is discussed. The Algorithmic Foundations of Differential Privacy is meant as a thorough introduction to the problems and techniques of differential privacy, and is an invaluable reference for anyone with an interest in the topic.

FOUNDATIONS OF CONCRETE GRAVITY STRUCTURES IN THE NORTH SEA

FIB - International Federation for Structural Concrete

GB 50666-2011: TRANSLATED ENGLISH OF CHINESE STANDARD. GB50666-2011

CODE FOR CONSTRUCTION OF CONCRETE STRUCTURES [AFTER PAYMENT, WRITE TO & GET A FREE-OF-CHARGE, UNPROTECTED TRUE-PDF FROM: SALES@CHINESESTANDARD.NET]

<https://www.chinesestandard.net> [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This Code is formulated with a view to implementing the national technical and economic policies, ensuring the engineering quality, and realizing advanced technology, reasonable process, resources conservation and environmental protection during the construction of concrete structures. This Code is applicable to the construction of concrete structures in building engineering, not to the construction of lightweight aggregate concrete and special concrete.

FOUNDATIONS AND PRACTICE OF SECURITY

12TH INTERNATIONAL SYMPOSIUM, FPS 2019, TOULOUSE, FRANCE, NOVEMBER 5-7, 2019, REVISED SELECTED PAPERS

Springer Nature This book constitutes the revised selected papers of the 12th International Symposium on Foundations and Practice of Security, FPS 2019, held in Toulouse, France, in November 2019. The 19 full papers and 9 short papers presented in this book were carefully reviewed and selected from 50 submissions. They cover a range of topics such as machine learning approaches; attack prevention and trustworthiness; and access control models and cryptography.

PILING AND DEEP FOUNDATIONS

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PILING AND DEEP FOUNDATIONS, LONDON, 15-18 MAY 1989

CRC Press

FOUNDATIONS OF HARDWARE IP PROTECTION

Springer This book provides a comprehensive and up-to-date guide to the design of security-hardened, hardware intellectual property (IP). Readers will learn how IP can be threatened, as well as protected, by using means such as hardware obfuscation/camouflaging, watermarking, fingerprinting (PUF), functional locking, remote activation, hidden

transmission of data, hardware Trojan detection, protection against hardware Trojan, use of secure element, ultra-lightweight cryptography, and digital rights management. This book serves as a single-source reference to design space exploration of hardware security and IP protection.

VALIDATION OF DYNAMIC ANALYSES OF DAMS AND THEIR EQUIPMENT

EDITED CONTRIBUTIONS TO THE INTERNATIONAL SYMPOSIUM ON THE QUALIFICATION OF DYNAMIC ANALYSES OF DAMS AND THEIR EQUIPMENTS, 31 AUGUST-2 SEPTEMBER 2016, SAINT-MALO, FRANCE

CRC Press Validation of Dynamic Analyses of Dams and Their Equipment is the outcome of a three year cooperation program between CFBR (Comite Francais des Barrages et Reservoirs or French Committee on Large dams) and JCOLD (Japan Commission on Large Dams), and focusses on the dynamic behavior of concrete and embankment dams analyzed based on acceleration records of the JCOLD data base. The book covers a broad range of topics, including simplified and detailed methods of dynamic analysis for the seismic response of concrete and embankment dams compared with measured behavior. The response of embankment dams subjected to a 1.0 g foundation acceleration time history is computed by several analytical methods and compared. The modelling of stress-strain behavior of compacted soils for seismic stability analysis of earth-fill dams and its application for a failed earthfill dam is described. The cracking of the face slab of four faced rockfill dams during earthquakes is analyzed. The seismic behavior of concrete arch dams is discussed by the comparison of numerical and experimental results. Displacement-based seismic assessment of concrete dams is presented. Finally the book contains a comparison between the Japanese and French design criteria of gates and a comparison of the analysis of gates and field measurements. Validation of Dynamic Analyses of Dams and Their Equipment will be useful to professional and academics involved or interested in dam engineering.

THE DYNAMIC ASSESSMENT OF RETARDED PERFORMERS

THE LEARNING POTENTIAL ASSESSMENT DEVICE, THEORY, INSTRUMENTS, AND TECHNIQUES

Scott Foresman & Company Seul document donnant l'information sur le LPAD, ce livre décrit la théorie, les instruments et les techniques de cet instrument qui s'adresse aux adolescent ayant une déficience légère.

PRACTICAL FOUNDATIONS FOR PROGRAMMING LANGUAGES

Cambridge University Press This book unifies a broad range of programming language concepts under the framework of type systems and structural operational semantics.

NB 35047-2015: TRANSLATED ENGLISH OF CHINESE STANDARD. (NB35047-2015)

CODE FOR SEISMIC DESIGN OF HYDRAULIC STRUCTURES OF HYDROPOWER PROJECT [AFTER PAYMENT, WRITE TO & GET A FREE-OF-CHARGE, UNPROTECTED TRUE-PDF FROM: SALES@CHINESESTANDARD.NET]

<https://www.chinesestandard.net> [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] In accordance with The Law of the People Republic of China on Earthquake Preparedness and Disaster Reduction, to implement the precautionary principle, to make the construction of the hydraulic structures after earthquake-resistant design be able to mitigate the earthquake damage and prevent secondary disasters, this Code is hereby established. 1.0.2 This Code is applicable to the seismic design of hydraulic structures of grade 1, 2 and 3 -- such as roller compacted embankment dams, concrete gravity dams, concrete arch dams, sluices, hydraulic underground structures, intake towers, hydropower station penstocks, aqueducts and shiplift of which the design intensity is VI, VII, VIII and IX-degree.

MODERN APPLICATIONS OF GEOTECHNICAL ENGINEERING AND CONSTRUCTION

GEOTECHNICAL ENGINEERING AND CONSTRUCTION

Springer Nature p="" This book contains select papers from the International Conference on Geotechnical Engineering Iraq discussing the challenges, opportunities, and problems of application of geotechnical engineering in projects. The contents cover a wide spectrum of themes in geotechnical engineering, including but not limited to sustainability & geotechnical engineering, modeling of foundations & slope stability, seismic analysis & soil mechanics, construction materials, and construction & management of projects. This volume will prove a valuable resource for practicing engineers and researchers in the field of geotechnical engineering, structural engineering, and construction and management of projects. ^

SIGNAL PROCESSING AND MACHINE LEARNING FOR BIOMEDICAL BIG DATA

CRC Press This will be a comprehensive, multi-contributed reference work that will detail the latest research and developments in biomedical signal processing related to big data medical analysis. It will describe signal processing, machine learning, and parallel computing strategies to revolutionize the world of medical analytics and diagnosis as presented by world class researchers and experts in this important field. The chapters will describe tools that can be used by biomedical and clinical practitioners as well as industry professionals. It will give signal processing researchers a glimpse into the issues faced with Big Medical Data.

REINFORCEMENT LEARNING, SECOND EDITION

AN INTRODUCTION

MIT Press The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

APPSC-ANDHRA PRADESH ASSISTANT ENGINEER-AE-MECHANICAL EXAM EBOOK-PDF

OBJECTIVE QUESTIONS FROM VARIOUS PREVIOUS YEARS' PAPERS WITH ANSWERS PLUS MECHANICAL ENGINEERING CHAPTERS

Chandresh Agrawal SGN. The Ebook-PDF APPSC-Andhra Pradesh Assistant Engineer-AE-Mechanical Exam Covers Objective Questions From Various Previous Years' Papers With Answers Plus Mechanical Engineering Chapters.

MACHINE LEARNING FOR ENERGY SYSTEMS

MDPI This volume deals with recent advances in and applications of computational intelligence and advanced machine learning methods in power systems, heating and cooling systems, and gas transportation systems. The optimal coordinated dispatch of the multi-energy microgrids with renewable generation and storage control using advanced numerical methods is discussed. Forecasting models are designed for electrical insulator faults, the health of the battery, electrical insulator faults, wind speed and power, PV output power and transformer oil test parameters. The loads balance algorithm for an offshore wind farm is proposed. The information security problems in the energy internet are analyzed and attacked using information transmission contemporary models, based on blockchain technology. This book will be of interest, not only to electrical engineers, but also to applied mathematicians who are looking for novel challenging problems to focus on.

ARTIFICIAL NEURAL NETWORKS AND MACHINE LEARNING - ICANN 2018

27TH INTERNATIONAL CONFERENCE ON ARTIFICIAL NEURAL NETWORKS, RHODES, GREECE, OCTOBER 4-7, 2018, PROCEEDINGS, PART III

Springer This three-volume set LNCS 11139-11141 constitutes the refereed proceedings of the 27th International Conference on Artificial Neural Networks, ICANN 2018, held in Rhodes, Greece, in October 2018. The papers presented in these volumes was carefully reviewed and selected from total of 360 submissions. They are related to the following thematic topics: AI and Bioinformatics, Bayesian and Echo State Networks, Brain Inspired Computing, Chaotic Complex Models, Clustering, Mining, Exploratory Analysis, Coding Architectures, Complex Firing Patterns, Convolutional Neural Networks, Deep Learning (DL), DL in Real Time Systems, DL and Big Data Analytics, DL and Big Data, DL and Forensics, DL and Cybersecurity, DL and Social Networks, Evolving Systems - Optimization, Extreme Learning Machines, From Neurons to Neuromorphism, From Sensation to Perception, From Single Neurons to Networks, Fuzzy Modeling, Hierarchical ANN, Inference and Recognition, Information and Optimization, Interacting with The Brain, Machine Learning (ML), ML for Bio Medical systems, ML and Video-Image Processing, ML and Forensics, ML and Cybersecurity, ML and Social Media, ML in Engineering, Movement and Motion Detection, Multilayer Perceptrons and Kernel Networks, Natural Language, Object and Face Recognition, Recurrent Neural Networks and Reservoir Computing, Reinforcement Learning, Reservoir Computing, Self-Organizing Maps, Spiking Dynamics/Spiking ANN, Support Vector Machines, Swarm Intelligence and Decision-Making, Text Mining, Theoretical Neural Computation,

Time Series and Forecasting, Training and Learning.

SMART GRIDS

INFRASTRUCTURE, TECHNOLOGY, AND SOLUTIONS

CRC Press What exactly is smart grid? Why is it receiving so much attention? What are utilities, vendors, and regulators doing about it? Answering these questions and more, Smart Grids: Infrastructure, Technology, and Solutions gives readers a clearer understanding of the drivers and infrastructure of one of the most talked-about topics in the electric utility market—smart grid. This book brings together the knowledge and views of a vast array of experts and leaders in their respective fields. Key Features Describes the impetus for change in the electric utility industry Discusses the business drivers, benefits, and market outlook of the smart grid initiative Examines the technical framework of enabling technologies and smart solutions Identifies the role of technology developments and coordinated standards in smart grid, including various initiatives and organizations helping to drive the smart grid effort Presents both current technologies and forward-looking ideas on new technologies Discusses barriers and critical factors for a successful smart grid from a utility, regulatory, and consumer perspective Summarizes recent smart grid initiatives around the world Discusses the outlook of the drivers and technologies for the next-generation smart grid Smart grid is defined not in terms of what it is, but what it achieves and the benefits it brings to the utility, consumer, society, and environment. Exploring the current situation and future challenges, the book provides a global perspective on how the smart grid integrates twenty-first-century technology with the twentieth-century power grid. CRC Press Authors Speak Stuart Borlase speaks about his book. Watch the video

MODELLING COMPLEX ECOLOGICAL DYNAMICS

AN INTRODUCTION INTO ECOLOGICAL MODELLING FOR STUDENTS, TEACHERS & SCIENTISTS

Springer Science & Business Media Model development is of vital importance for understanding and management of ecological processes. Identifying the complex relationships between ecological patterns and processes is a crucial task. Ecological modelling—both qualitatively and quantitatively—plays a vital role in analysing ecological phenomena and for ecological theory. This textbook provides a unique overview of modelling approaches. Representing the state-of-the-art in modern ecology, it shows how to construct and work with various different model types. It introduces the background of each approach and its application in ecology. Differential equations, matrix approaches, individual-based models and many other relevant modelling techniques are explained and demonstrated with their use. The authors provide links to software tools and course materials. With chapters written by leading specialists, “Modelling Complex Ecological Dynamics” is an essential contribution to expand the qualification of students, teachers and scientists alike.

PYTHON MACHINE LEARNING BY EXAMPLE

BUILD INTELLIGENT SYSTEMS USING PYTHON, TENSORFLOW 2, PYTORCH, AND SCIKIT-LEARN, 3RD EDITION

Packt Publishing Ltd Equipped with the latest updates, this third edition of Python Machine Learning By Example provides a comprehensive course for ML enthusiasts to strengthen their command of ML concepts, techniques, and algorithms.

INTELLIGENT COMMUNICATION, CONTROL AND DEVICES

PROCEEDINGS OF ICICCD 2017

Springer The book focuses on the integration of intelligent communication systems, control systems, and devices related to all aspects of engineering and sciences. It contains high-quality research papers presented at the 2nd international conference, ICICCD 2017, organized by the Department of Electronics, Instrumentation and Control Engineering of University of Petroleum and Energy Studies, Dehradun on 15 and 16 April, 2017. The volume broadly covers recent advances of intelligent communication, intelligent control and intelligent devices. The work presented in this book is original research work, findings and practical development experiences of researchers, academicians, scientists and industrial practitioners.

GUIDELINES FOR JACK-UP RIGS WITH PARTICULAR REFERENCE TO FOUNDATION INTEGRITY

UNDERSTANDING MACHINE LEARNING

FROM THEORY TO ALGORITHMS

Cambridge University Press Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.

PRO TEAM FOUNDATION SERVICE

Apress Pro Team Foundation Service gives you a jump-start into Microsoft’s cloud-based Application Lifecycle Management platform, taking you through the different stages of software development. Every project needs to plan, develop, test and release software and with agile practices often at a higher pace than ever before. Microsoft’s Team Foundation Service is a cloud-based platform that gives you tools for agile planning and work tracking. It has a code repository that can be used not only from Visual Studio but from Java platforms and Mac OS X. The testing tools allow testers to start testing at the same time as developers start developing. The book also covers how to set up automated practices such as build, deploy and test workflows. This book: Takes you through the major stages in a software development project. Gives practical development guidance for the whole team. Enables you to quickly get started with modern development practices. With Microsoft Team Foundation Service comes a collaboration platform that gives you and your team the tools to better perform your tasks in a fully integrated way. What you’ll learn What ALM is and what it can do for you. Leverage a cloud-based ALM platform for quick improvements in your development process. Improve your agile development process using integrated tools and practices. Develop automated build, deployment and testing processes. Integrate different development tools with one collaboration platform. Get started with ALM best-practices first time round. Who this book is for Pro Team Foundation Service is for any development team that wants to take their development practices to the next level. Microsoft Team Foundation Service is an excellent platform for managing the entire application development lifecycle and being a cloud-based offering it is very easy to get started. Pro Team Foundation Service is a great guide for anyone in a team who wants to get started with the service and wants to get expert guidance to do it right. Table of Contents Introduction to Application Lifecycle Management Introduction to Agile Planning, Development, and Testing Deciding on a Hosted Service Getting Started Working with the Initial Product Backlog Managing Team and Alerts Initial Sprint Planning Running the Sprint Kanban Engaging the Customer Choosing Source Control Options Working with Team Foundation Version Control in Visual Studio Working with Git in Visual Studio Working in Heterogeneous Environments Configuring Build Services Working with Builds Customizing Builds Continuous Deployment Agile Testing Test Management Lab Management

GEOTECHNICAL ABSTRACTS

FUNDAMENTALS OF PHYSICAL GEOGRAPHY

Rowman & Littlefield This primary text, designed for undergraduate courses, provides a modern approach to the fundamentals of physical geography by linking process, form, and effect. The authors explore the natural world as a series of systems and consider the relationship between the different components of each. They examine, in turn, the atmosphere, hydrosphere, lithosphere, and biosphere, providing a thorough discussion of their composition and the ways in which their interaction forms our global environment. Throughout, the authors demonstrate the role of humanity in influencing the physical environment and the ways in which we are affected by our surroundings. Clearly written and lavishly illustrated with maps, drawings, photographs, and charts, Fundamentals of Physical Geography is an ideal text.

DATA ACQUISITION

BoD - Books on Demand The book is intended to be a collection of contributions providing a bird’s eye view of some relevant multidisciplinary applications of data acquisition. While assuming that the reader is familiar with the basics of sampling theory and analog-to-digital conversion, the attention is focused on applied research and industrial applications of data acquisition. Even in the few cases when theoretical issues are investigated, the goal is making the theory comprehensible to a wide, application-oriented, audience.

SETTING KNOWLEDGE FREE: THE JOURNAL OF ISSUES IN INFORMING SCIENCE AND INFORMATION TECHNOLOGY VOLUME 5, 2008

Informing Science

MACHINERY MALFUNCTION DIAGNOSIS AND CORRECTION

VIBRATION ANALYSIS AND TROUBLESHOOTING FOR THE PROCESS INDUSTRIES

Prentice Hall Specific, practical guidance for every individual involved with solving process machinery problems. The single source reference for explanations of fundamental machinery behavior, static and dynamic measurements, plus data acquisition, processing and interpretation. A variety of lateral and torsional analytical procedures, and physical tests are presented and discussed.

ADVANCES IN DISTRIBUTED COMPUTING AND MACHINE LEARNING

PROCEEDINGS OF ICADCML 2021

Springer Nature

ENCYCLOPEDIA OF MACHINE LEARNING

Springer Science & Business Media This comprehensive encyclopedia, in A-Z format, provides easy access to relevant information for those seeking entry into any aspect within the broad field of Machine Learning. Most of the entries in this preeminent work include useful literature references.

UNDERWATER ACOUSTIC SENSOR NETWORKS

CRC Press A detailed review of underwater channel characteristics, Underwater Acoustic Sensor Networks investigates the fundamental aspects of underwater communication. Prominent researchers from around the world consider contemporary challenges in the development of underwater acoustic sensor networks (UW-ASNs) and introduce a cross-layer approach for effective integration of all communication functionalities. Discussing architectures for two- and three-dimensional sensor networks, this authoritative resource clearly delineates the main differences between terrestrial and underwater sensor networks—covering the wide range of topics related to UW-ASNs. It examines efficient distributed routing algorithms for delay-insensitive and delay-sensitive applications and introduces a realistic acoustic model characterized by channel utilization efficiency that enables proper setting of the optimal packet size for underwater communication. It also: Provides efficient sensor communication protocols for the underwater environment Addresses the topology control problem for sparse and dense 3D networks Presents a novel distributed MAC protocol that incorporates a unique closed-loop distributed algorithm for setting the optimal transmit power and code length The book includes coverage of routing, fault tolerance, time synchronization, optimal clustering, medium access control, software, hardware, and channel modeling. Exploring the need to design an energy-efficient cross-layer protocol suite, this resource provides the understanding required to achieve high-performance channel access, routing, event transport reliability, and data flow control with underwater acoustic sensors.

NEUROMORPHIC COMPUTING AND BEYOND

PARALLEL, APPROXIMATION, NEAR MEMORY, AND QUANTUM

Springer Nature This book discusses and compares several new trends that can be used to overcome Moore's law limitations, including Neuromorphic, Approximate, Parallel, In Memory, and Quantum Computing. The author shows how these paradigms are used to enhance computing capability as developers face the practical and physical limitations of scaling, while the demand for computing power keeps increasing. The discussion includes a state-of-the-art overview and the essential details of each of these paradigms.

CYBERSPACE SAFETY AND SECURITY

11TH INTERNATIONAL SYMPOSIUM, CSS 2019, GUANGZHOU, CHINA, DECEMBER 1-3, 2019, PROCEEDINGS, PART I

Springer Nature The two volumes LNCS 11982 and 11983 constitute the proceedings of the 11th International Symposium on Cyberspace Safety and Security, CSS 2019, held in Guangzhou, China, in December 2019. The 61 full papers and 40 short papers presented were carefully reviewed and selected from 235 submissions. The papers cover a broad range of topics in the field of cyberspace safety and security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability and sustainability issues of cyberspace. They are organized in the following topical sections: network security; system security; information security; privacy preservation; machine learning and security; cyberspace safety; big data and security; and cloud and security;

IBM COGNOS DYNAMIC QUERY

IBM Redbooks This IBM® Redbooks® publication explains how IBM Cognos® Business Intelligence (BI) administrators, authors, modelers, and power users can use the dynamic query layer effectively. It provides guidance for determining which technology within the dynamic query layer can best satisfy your business requirements. Administrators can learn how to tune the query service effectively and preferred practices for managing their business intelligence content. This book includes information about metadata modeling of relational data sources with IBM Cognos Framework Manager. It includes considerations that can help you author high-performing applications that satisfy analytical requirements of users. This book provides guidance for troubleshooting issues related to the dynamic query layer of Cognos BI. Related documents: Solution Guide : Big Data Analytics with IBM Cognos BI Dynamic Query Blog post : IBM Cognos Dynamic Query Extensibility
