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Computer Applications in Production and Engineering Addison Wesley Publishing Company

This book gathers papers presented at the 22nd International Conference on Interactive Collaborative Learning (ICL2019), which was held in Bangkok, Thailand, from 25 to 27 September 2019. Covering various fields of e-learning and distance learning, course and curriculum development, knowledge management and learning, real-world learning experiences, evaluation and outcomes assessment, computer-aided language learning, vocational education development and technical teacher training, the contributions focus on innovative ways in which higher education can respond to the real-world challenges related to the current transformation in the development of education. Since it was established, in 1998, the ICL conference has been devoted to new approaches in learning with a focus on collaborative learning. Today, it is a forum for sharing trends and research findings as well as presenting practical experiences in learning and engineering pedagogy. The book appeals to policymakers, academics, educators, researchers in pedagogy and learning theory, school teachers, and other professionals in the learning industry, and further and continuing education.

Research and Development in Intelligent Systems XXIV Pearson Education

Introduction to Multimedia Systems

Reasoning Web. Semantic Technologies for Software Engineering Springer Nature

Computer graphics is now used in various fields; for industrial, educational, medical and entertainment purposes. The aim of computer graphics is to visualize real objects and imaginary or other abstract items. In order to visualize various things, many technologies are necessary and they are mainly divided into two types in computer

graphics: modeling and rendering technologies. This book covers the most advanced technologies for both types. It also includes some visualization techniques and applications for motion blur, virtual agents and historical textiles. This book provides useful insights for researchers in computer graphics.

Temple of Destiny MIT Press

This book is the second edition of a text designed for undergraduate engineering courses in Data Structures. The treatment of the subject matter in this second edition maintains the same general philosophy as in the first edition but with significant additions. These changes are designed to improve the readability and understandability of all algorithms so that the students acquire a firm grasp of the key concepts. This book is recommended in Assam Engineering College, Assam, Girijananda Chowdhury Institute of Management and Technology, Assam, Supreme Knowledge Foundation Group, West Bengal, West Bengal University of Technology (WBUT) for B.Tech. The book provides a complete picture of all important data structures used in modern programming practice. It shows : ? various ways of representing a data structure ? different operations to manage a data structure ? several applications of a data structure The algorithms are presented in English-like constructs for ease of comprehension by students, though all of them have been implemented separately in C language to test their correctness. Key Features : ? Red-black tree and spray tree are discussed in detail ? Includes a new chapter on Sorting ? Includes a new chapter on Searching ? Includes a new appendix on Analysis of Algorithms for those who may be unfamiliar with the concepts of algorithms ? Provides numerous section-wise assignments in each chapter ? Also included are exercises—Problems to Ponder—in each chapter to enhance learning The book is suitable for students of : (i) computer science (ii) computer applications (iii) information and communication technology (ICT) (iv) computer science and engineering.

Applications of Object-oriented Programming World Scientific

Case studies implemented in several object-oriented programming languages including C Ê Ê , Smalltalk, Objective-C, Actor and Object pascal.

Electrical Technology Technical Publications

An agent in a multi-agent system (MAS) has to generate plans for its individual goal, but these plans may con?ict with those that are already being scheduled or executed by other agents. It must also be able to complete its planning and resolution of these con?icts within a reasonable time to have an acceptable quality plan. Although we adopt hierarchical planning (HP, for example, see [7, 12]) using the decision-theoretic planning (DTP) approach [6] for ef?cient planning, it is not trivial to apply HPO to MAS. In HP, appropriate (abstract) plans are selected level by level to maximize the utility $U(p)$,

where where p is the expected ?nal plan comprising a sequence of primitive actions. However, in the MAS context, con?icts between agents affect the ef?ciency and quality of resulting plans. When a con?ict is found at lower levels, an additional sophisticated process for avoiding it (con?ict resolution) must be invoked and some extra actions (such as waiting for synchronization and detouring) may have to be added to the plan. The con?ict resolution process may become costly or fail. Even a single con?ict, if it is dif?cult to resolve, will result in a plan with considerably lower quality than it otherwise would have. As a result, in multi-agent systems, the second- or third-best plans may result in better overall performance.

Apache Cordova 4 Programming Springer Nature Electrical Circuit Theory and Technology is a fully comprehensive text for courses in electrical and electronic principles, circuit theory and electrical technology. The coverage takes students from the fundamentals of the subject, to the completion of a first year degree level course. Thus, this book is ideal for students studying engineering for the first time, and is also suitable for pre-degree vocational courses, especially where progression to higher levels of study is likely. John Bird's approach, based on 700 worked examples supported by over 1000 problems (including answers), is ideal for students of a wide range of abilities, and can be worked through at the student's own pace. Theory is kept to a minimum, placing a firm emphasis on problem-solving skills, and making this a thoroughly practical introduction to these core subjects in the electrical and electronic engineering curriculum. This revised edition includes new material on transients and laplace transforms, with the content carefully matched to typical undergraduate modules. Free Tutor Support Material including full worked solutions to the assessment papers featured in the book will be available at http://textbooks.elsevier.com/. Material is only available to lecturers who have adopted the text as an essential purchase. In order to obtain your password to access the material please follow the guidelines in the book.

UNIX System Programming S. Chand Publishing The computing world is in the middle of a revolution: mobile clients and cloud computing have emerged as the dominant paradigms driving programming and hardware innovation. This book focuses on the shift, exploring the ways in which software and technology in the 'cloud' are accessed by cell phones, tablets, laptops, and more Mathematics for Computer Science Pustak Mahal Introduction -- Supervised learning -- Bayesian decision theory -- Parametric methods -- Multivariate methods -- Dimensionality reduction -- Clustering -- Nonparametric methods -- Decision trees -- Linear discrimination -- Multilayer perceptrons -- Local models -- Kernel machines -- Graphical models -- Brief contents -- Hidden markov models -- Bayesian estimation -- Combining multiple learners -- Reinforcement learning -- Design and analysis of machine learning experiments.

Official Gazette Laxmi Publications, Ltd.
Packaging is a complex and wide-ranging subject. Comprehensive in scope and authoritative in its coverage, Packaging technology provides the ideal introduction and reference for both students and experienced packaging professionals.Part one provides a context for the book, discussing fundamental issues relating to packaging such as its role in society and its diverse functions, the packaging supply chain and legislative, environmental and marketing issues. Part two reviews the principal packaging materials such as glass, metal, plastics, paper and paper board. It also discusses closures, adhesives and labels. The final part of the book discusses packaging processes, from design and printing to packaging machinery and line operations, as well as hazard and risk management in packaging.With its distinguished editors and expert contributors, Packaging technology is a standard text for the packaging industry. The book is designed both to meet the needs of those studying for the Diploma in Packaging Technology and to act as a comprehensive reference for packaging professionals. - Provides the ideal introduction and reference for both students and experienced packaging professionals - Examines fundamental issues relating to packaging, such as its role in society, its diverse functions, the packaging supply chain and legislative, environmental and marketing issues - Reviews the principal packaging materials such as glass, metal, plastics, paper and paper board

Fundamentals of Electrical Engineering Routledge
Because of its inherent simplicity, graph theory has a wide range of applications in engineering, and in physical sciences. It has of course uses in social sciences, in linguistics and in numerous other areas. In fact, a graph can be used to represent almost any physical situation involving discrete objects and the relationship among them. Now with the solutions to engineering and other problems becoming so complex leading to larger graphs, it is virtually difficult to analyze without the use of computers. This book is recommended in IIT Kharagpur, West Bengal for B.Tech Computer Science, NIT Arunachal Pradesh, NIT Nagaland, NIT Agartala, NIT Silchar, Gauhati University, Dibrugarh University, North Eastern Regional Institute of Management, Assam Engineering College, West Bengal Univerity of Technology (WBUT) for B.Tech, M.Tech Computer Science, University of Burdwan, West Bengal for B.Tech. Computer Science, Jadavpur University, West Bengal for M.Sc. Computer Science, Kalyani College of Engineering, West Bengal for B.Tech. Computer Science. Key Features: This book provides a rigorous yet informal treatment of graph theory with an emphasis on computational aspects of graph theory and graph-theoretic algorithms. Numerous applications to actual engineering problems are incorpo-rated with software design and optimization topics.

Directory of Published Proceedings North-Holland Advances in Imaging and Electron Physics features

cutting-edge articles on the physics of electron devices (especially semiconductor devices), particle optics at high and low energies, microlithography, image science and digital image processing, electromagnetic wave propagation, electron microscopy, and the computing methods used in all these domains. - Contributions from leading authorities - Informs and updates on all the latest developments in the field

Graph Theory with Applications to Engineering and Computer Science Elsevier

This book brings together 106 papers presented at the Joint Conferences of 2015 International Conference on Computer Science and Engineering Technology (CSET2015) and 2015 International Conference on Medical Science and Biological Engineering (MSBE2015), which were held in Hong Kong on 30-31 May 2015.The joint conferences covered a wide range of research topics in new emerging technologies, ranging from computing to biomedical engineering. During the conferences, industry professionals, scholars and government agencies around the world gathered to share their latest research results and discuss the practical challenges they encountered. Their research articles were reviewed and selected by a panel of experts before being compiled into this proceedings. Combining research findings and industry applications, this proceedings should be a useful reference for researchers and engineers working in computing and biomedical science.

Advances in Imaging and Electron Physics Elsevier
'Apache Cordova 4 Programming' is the complete introduction to Apache Cordova 4 and Adobe PhoneGap for experienced mobile developers. Leading Cordova expert John Wargo explains what makes Cordova so important, and shows how to install and use its newest tools, from the Cordova CLI to its native SDKs. If you're brand new to Cordova, this book will be just what you need to get started. If you're familiar with an older version, it will offer you detailed guidance and making the most of Cordova 4's powerful enhancements, as well as the core APIs you may already be using.

Basic Electrical Engineering Academic Press
Hardbound. This volume is unique in its complete coverage of the factory of the future. The book presents the state of the art of all aspects of computers applied to production and engineering. Design through to production, with all the ramifications of the planning and control systems needed in the factory of the future, are to be found in the contributions from many leading international authorities in this vital area. Thus the whole cycle of product realization, and many of the accompanying problems, are analyzed in depth.

Packaging Technology Springer Science & Business Media
This collection addresses new research and technology for increased efficiency, energy reduction, and waste minimization in mineral processing, extractive metallurgy, and recycling. Professor Patrick R. Taylor and his students have been studying these topics for the past 45 years. Chapters include new directions in: · Mineral Processing · Hydrometallurgy · Pyrometallurgy · Electrometallurgy · Metals and E waste recycling · Waste minimization (including by-product recovery) · Innovations in metallurgical engineering education and curriculum development

Computer Science And Engineering Technology

(Cset2015), Medical Science And Biological Engineering (Msbe2015) - Proceedings Of The 2015 International Conference On Cset & Msbe Springer
This book brings together 106 papers presented at the Joint Conferences of 2015 International Conference on Computer Science and Engineering Technology (CSET2015) and 2015 International Conference on Medical Science and Biological Engineering (MSBE2015), which were held in Hong Kong on 30-31 May 2015.The joint conferences covered a wide range of research topics in new emerging technologies, ranging from computing to biomedical engineering. During the conferences, industry professionals, scholars and government agencies around the world gathered to share their latest research results and discuss the practical challenges they encountered. Their research articles were reviewed and selected by a panel of experts before being compiled into this proceedings. Combining research findings and industry applications, this proceedings should be a useful reference for researchers and engineers working in computing and biomedical science.

Stanford Bulletin Cengage Learning
For close to 30 years,   Basic Electrical Engineering has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

Government of Canada; Telephone Directory, National Capital Region Springer Nature
This book provides a coherent introduction to semantic web methods and research issues with a particular emphasis on reasoning. It is based on a collection of six thoroughly revised tutorial papers culled from lectures given by leading researchers.

Computer Architecture Addison Wesley Publishing Company
Master the fundamentals of discrete mathematics with DISCRETE MATHEMATICS FOR COMPUTER SCIENCE with Student Solutions Manual CD-ROM! An increasing number of computer scientists from diverse areas are using discrete mathematical structures to explain concepts and problems and this mathematics text shows you how to express precise ideas in clear mathematical language. Through a wealth of exercises and examples, you will learn how mastering discrete mathematics will help you develop important reasoning skills that will continue to be useful throughout your career.