Beautiful Trouble A Toolbox For Revolution

AI-Based Optimized Design of Structural FramesSpace Supporting AfricaBuilding Model-based Enterprise ArchitectureType-2 Fuzzy Logic: Theory and ApplicationsComputational Optical Biomedical Spectroscopy and ImagingDatabase and Expert Systems ApplicationsBeginning ASP.NET 2.0 with C#Fuzzy Logic for Embedded Systems ApplicationsBeginning ASP.NET 4.5.1: in C# and VBMoney Toolbox for WomenAn Introduction to 3D Microstation 95When Grandpa Gives You a ToolboxOfficial Proceedings of the New York Railroad ClubProceedings of the AI91The Methodist Temperance MagazineButterworth's Workmen's Compensation CasesThe Amateur Mechanics WorkshopHome Repairs Made EasyMechatronicsUNEP Annual Report Won-Kee Hong Annette Froehlich Mudar Bahri Oscar Castillo Sarhan M. Musa Dimitris Karagiannis Chris Hart Ahmad Ibrahim Imar Spaanjaars Audrey Reed A. Yarwood Jamie L. B. Deenihan George Maunder Alfred Henry Ruegg James Lukin Dick Demske J. R. Hewit United Nations Environment Programme

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this book introduces an auto design based optimization for building frames using an artificial neural network ann based lagrange method and novel genetic algorithm ga the work of great mathematician joseph louis lagrange and anns are merged to identify parameters that optimize structural frames of reinforced concrete prestressed concrete and steel frames subject to one or more design constraints new features for enhancing conventional ga are also demonstrated to optimize structural frames new features for optimizing multiple design targets of the building frames are highlighted while design requirements imposed by codes are automatically satisfied chapters provide readers with an understanding of how both ann based and novel ga based structural optimization can be implemented in holistically optimizing designated design targets for building structural frames guiding readers toward more rational designs that is consistent with american institute of steel

construction aisc and american concrete institute aci standards ann based holistic designs of multi story frames in general and reinforced concrete prestressed concrete and steel frames in particular are introduced this book suits structural engineers architects and graduate students in the field of building frame designs and is heavily illustrated with color figures and tables

this book addresses the need to support decision makers across africa by promoting awareness of the importance of space technologies and data to african development through the presentation of existing examples where space supports education and healthcare and by making recommendations for further roll out of these efforts this is necessary because of the enduring misconception that space related research and expenditure competes with other more pressing needs on the continent when in truth space can play a major role in meeting these needs accordingly the book unpacks the united nations sustainable development goals sdgs 2030 and the critical needs they address in the african context secondly it provides an analysis of the african higher education landscape and considers the network of higher education related sdgs their targets and their indicators africa s own development plan agenda 2063 is also explored the african higher education landscape is then assessed by way of three models the space education equation see the benefits to education by space transection best and the enhanced education for sustainable development access and success eesdas model the critical role of educational technologies and e learning in bridging the educational access and success gap is appraised as is the role of the space sector and its technologies applications and data in african higher education finally it explores e health and provides an analysis of pertinent technologies required by e health past and present and the opportunities and challenges it presents space technology can play a critical role in eliminating the barriers that are currently preventing e health from playing a more significant role in a developing region such as sub saharan africa

description building trust with your business stakeholders starts with providing them with accurate up to date information this book shows you how to create a unified enterprise architecture repository a central database for all your diagrams catalogs and other artifacts information supporting stakeholders decisions may be delivered through a single artifact or a combination of multiple artifacts this book systematically covers the entire process starting with a crash course in sparx ea and mastering the principles of model driven generation mdg to build a custom metamodel you will then learn how to structure your repository and model key architectural artifacts including business capabilities projects applications data integrations and technology environments like the cloud the book also provides detailed guidance on modeling business services organizational structures and strategies finally you will discover crucial repository management processes and learn to publish your artifacts as professional documents or web content for wider consumption by the end of this book you will be fully competent in using sparx ea to build manage and publish a professional grade ea repository this expertise will enable you to effectively analyze communicate and drive strategic change within your organization making you a vital asset in any enterprise architecture team what you will learn developing a custom metamodel using mdg maintaining ea artifacts and diagrams distinguishing between

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this book describes new methods for building intelligent systems using type 2 fuzzy logic and soft computing sc techniques the authors extend the use of fuzzy logic to a higher order which is called type 2 fuzzy logic combining type 2 fuzzy logic with traditional sc techniques we can build powerful hybrid intelligent systems that can use the advantages that each technique offers this book is intended to be a major reference tool and can be used as a textbook

computational optical biomedical spectroscopy and imaging covers recent discoveries and research in the field by some of the best inventors and researchers in the world it also presents useful computational methods and applications used in optical biomedical spectroscopy and imaging topics covered include new trends in immunohistochemical genome

the database and expert systems applications dexa conferences are dedi cated to providing an international forum for the presentation of applications in the database and expert systems field for the exchange of ideas and experiences and for defining requirements for the future systems in these fields after the very promising dexa 90 in vienna austria we hope to have successfully established wjth this year s dexa 91 a stage where scientists from diverse fields interested in application oriented research can present and discuss their work this year there was a total of more than 250 submitted papers from 28 different countries in all continents only 98 of the papers could be accepted the collection of papers in these proceedings offers a cross section of the issues facing the area of databases and expert systems i e topics of basic research interest on one hand and questions occurring when developing applications on the other major credit for the success of the conference goes to all of our colleagues who submitted papers for consideration and to those who have organized and chaired the panel sessions many persons contributed numerous hours to organize this conference the names of most of them will appear on the following pages in particular we wish to thank the organization committee chairmen johann gordesch a min tjoa and roland wag ner who also helped establishing the program special thanks also go to gabriella wagner and anke ruckert dimitris karagiannis general conference chairman contents conference committee

asp net 2 0 is an amazing technology that allows you to develop web sites and applications with very little hassle and its power and depth enable it to host even the most complex applications available using code examples in c this invaluable beginner s guide shows you how to program web applications in asp net 2 0 and see dynamic results with minimal effort through detailed explanations and working c code examples this popular author team eases you into the world of asp net development and gradually introduces you to all sorts of interesting asp net tricks and tools you ll quickly see how asp net 2 0 is designed to ensure a significant reduction in the amount of code you have to write and in turn to make your life easier what you will learn from this book why visual developer is an ideal environment for building feature rich asp net 2 0 applications with c how to secure web sites providing login functionality and role based access to content useful techniques for safely updating data using asp net 2 0 s built in data handling capabilities how centralized site design can be easily achieved how to add e commerce functionality to a site methods for enhancing an application s performance who this book is for this book is for anyone new to web programming who wants to program dynamic feature rich web applications in asp net 2 0 it will also be ideal for programmers seeking to upgrade their asp 3 knowledge to asp net or programmers from non microsoft web disciplines who need to learn asp net 2 0 wrox beginning guides are crafted to make learning programming languages and technologies easier than you think providing a structured tutorial format that will guide you through all the techniques involved

fuzzy logic for embedded systems applications by a recognized expert in the field covers all the basic theory relevant to electronics design with particular emphasis on embedded systems and shows how the techniques can be applied to shorten design cycles and handle logic problems that are tough to solve using conventional linear techniques all the latest advances in the field aree discussed and practical circuit design examples presented fuzzy logic has been found to be particularly suitable for many embedded control applications the intuitive nature of the fuzzy based system design saves engineers time and reduces costs by shortening product development cycles and making system maintenance and adjustments easier yet despite its wide acceptance and perhaps because of its name it is still misunderstood and feared by many engineers there is a need for embedded systems designers both hardware and software to get up to speed on the principles and applications of fuzzy logic in order to ascertain when and how to use them appropriately fuzzy logic for embedded systems applications provides practical guidelines for designing electronic circuits and devices for embedded systems using fuzzy based logic it covers both theory and applications with design examples unified approach to fuzzy electronics from an engineering point of view easy to follow with plenty of examples review and evaluation of free resources

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vol 6 includes reports of cases dealing with national insurance and general insurance other than marine

mechatronics provides a framework within which modern multi technology products and systems may be designed by teams of collaborating specialists these team members can be drawn from a wide background of disciplines both from the traditional areas of mechanical and electrical engineering and from emerging areas such as laser technology and advanced materials the result of efficient mechatronics design is a product range possessing new and exciting performance capabilities in this volume a number of mechatronics practitioners drawn from a wide representative cross section of research and development outline their knowledge bases and how they apply them in a large number of case studies examples of mechatronics design are given ranging from traditional robotics and precision mechanics through various types of smart machinery to forward looking applications of artificial intelligence and neural computing to autonomously operating systems also included are descriptions of manufacturing and marketing aspects of modern product development with an analysis of the japanese experience

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