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**2014 International Conference on Artificial Intelligence and Software Engineering(AISE2014)** *OECD Regions at a Glance 2016* ICPMG2014 - Physical Modelling in Geotechnics  
**Engineering Optimization 2014** ECCWS2014-Proceedings of the 13th European Conference on Cyber warfare and Security ICICKM2014-Proceedings of the 11th International Conference on Intellectual Capital, Knowledge Management and Organisational Learning Valiant Warrior The Basics of Public Budgeting and Financial Management ICCWS2014- 9th International Conference on Cyber Warfare & Security **Doctoral Education for the Knowledge Society** *Empowered Educators in Singapore* **Global Media Giants** E-Voting and Identity *Fundamentals of Digital Logic and Microcomputer Design* *Design, User Experience, and Usability: Design Discourse* **Feminism, Digital Culture and the Politics of Transmission** *Microprocessors and Microcomputer-Based System Design* **Microprocessor Theory and Applications with 68000/68020 and Pentium** **Economics of Terrorism and Counter-Terrorism Measures** **Nigeria's 2015 General Elections** *Central Corridor Project, Ramsey County* **Soil Carbon in the Monaro Region** *Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States* **Library Technology Funding, Planning, and Deployment** Towards Green Marine Technology and Transport **United States of America Congressional Record, Proceedings and Debates of the 113th Congress Second Session Volume 160 - Part 4** Mathematical Modeling Integration of AI and OR Techniques in Constraint Programming *Applications of Management Science* *OECD Reviews of School Resources: Portugal 2018* Injury in Pediatric and Adolescent Sports **Simultaneous Source Seismic Acquisition** New Trends in Table Olive Fermentation, 2nd Edition **Mongolia's Economic Prospects** **Handbook of Media Branding** The Defense Industrial Base **International Corporate Governance** **Social Life in the Movies** *An Agency Perspective on Voluntary CO2 Disclosure* **Mineral Mining in Africa**

Mathematical Modeling: Branching Beyond Calculus reveals the versatility of mathematical modeling. The authors present the subject in an attractive manner and flexibly manner. Students will discover that the topic not only focuses on math, but biology, engineering, and both social and physical sciences. The book is written in a way to meet the needs of any modeling course. Each chapter includes examples, exercises, and projects offering opportunities for more in-depth investigations into the world of mathematical models. The authors encourage students to approach the models from various angles while creating a more complete understanding. The assortment of disciplines covered within the book and its flexible structure produce an intriguing and promising foundation for any mathematical modeling course or for self-study. Key Features: Chapter projects guide more thorough investigations of the models The text aims to expand a student's communication skills and perspectives WThe widespread applications are incorporated, even includinge biology and social sciences Its structure allows it to serve as either primary or supplemental text Uses Mathematica and MATLAB are used to develop models and computations Advancements in technology are impacting many businesses and institutions, including libraries. As such, it is increasingly imperative to research purchasing methods to boost cost-effectiveness and efficiency. Library Technology Funding, Planning, and Deployment is an authoritative reference source for the latest research on the best methods of the purchase and implementation of various technology systems by libraries. Featuring extensive coverage across a range of relevant perspectives and topics, such as library systems management, Open Source software, and budget constraints, this book is ideally designed for academicians, researchers, practitioners and librarians seeking current research on library purchase and utilization of technology. This textbook presents a systematic study of terrorism from the standpoint of economic analysis. Choosing the kind and level of measures to counter terror is, to a large extent, an economic decision, as counterterrorism (CT) measures and their side effects are costly. This text, contains theoretical models that illustrate the economic mechanisms of different types of CT measures. A vast array of empirical studies and regularities are also presented. Some chapters discuss in depth the empirical results in the literature as well as the underlying statistical/econometric methodologies that go beyond ordinary regression. General Appendix A provides an exposition of the concept of compensating surplus and elements of the basic game theory, to help the reader with an economics background recapitulate micro theory concepts used in the book. General Appendix B lays out the notions of hypothesis testing, regression and more advanced statistical/econometric methods, so that the reader understands or at least can have an intuitive idea of how the results are derived and what they mean with some degree of inner comfort. Aimed at students at the intermediate undergraduate and graduate levels, the text requires knowledge of basic micro, first-order conditions of profit or utility maximization and cost minimization, and statistical concepts of hypothesis testing and regression. This textbook is intended for use in courses in economics, political science, criminal justice, and emergency management. Additionally, professionals working with national security in government and non-governmental organizations may find it useful. MICROPROCESSOR THEORY AND APPLICATIONS WITH 68000/68020 AND PENTIUM A SELF-CONTAINED INTRODUCTION TO MICROPROCESSOR THEORY AND APPLICATIONS This book presents the fundamental concepts of assembly language programming and system design associated with typical microprocessors, such as the Motorola MC68000/68020 and Intel® Pentium®. It begins with an overview of microprocessors—including an explanation of terms, the evolution of the microprocessor, and typical applications—and goes on to systematically cover: Microcomputer architecture Microprocessor memory organization Microprocessor Input/Output (I/O) Microprocessor programming concepts Assembly language programming with the 68000 68000 hardware and interfacing Assembly language programming with the 68020 68020 hardware and interfacing Assembly language programming with Pentium Pentium hardware and interfacing The author assumes a background in basic digital logic, and all chapters conclude with a Questions and Problems section, with selected answers provided at the back of the book. Microprocessor Theory and Applications with 68000/68020 and Pentium is an ideal textbook for undergraduate- and graduate-level courses in electrical engineering, computer engineering, and computer science. (An

instructor's manual is available upon request.) It is also appropriate for practitioners in microprocessor system design who are looking for simplified explanations and clear examples on the subject. Additionally, the accompanying Website, which contains step-by-step procedures for installing and using Ide 68k21 (68000/68020) and MASM32 / Olly Debugger (Pentium) software, provides valuable simulation results via screen shots. Devises a theoretical framework to think through the politics of transmission within feminism. It draws upon and develops the work of Bernard Stiegler to create a theoretical apparatus that can analyze the politics of transmission within digital culture. This book examines the significance of the 2015 elections in consolidating Nigeria's democracy, in the context of the difficulty of routinizing democracy since the attainment of nationhood in 1960 and the return to civil rule in May 1999, in particular. It offers a complete analysis of Nigeria's electoral process, outlining how the dynamics of limited changes in the constitutional, institutional, attitudinal and behavioural frameworks that underpin electoral competition played out in the elections. The authors further examine the conduct and outcome of the 2015 elections against the background of the pattern of electoralism that had been established since the return to democracy in 1999. In doing so, they draw attention to the dialectics of continuity and change that have been thrown up by the elections and how the lessons learned can be used to build a more enduring democratic system. The book will be of interest to students and academics of political science, development studies, democratisation and election studies, and African government and politics. This publication examines Mongolia's recent economic development and outlines reforms that would help the country take advantage of its many opportunities. Mongolia is rich in natural resources and, although landlocked, is well-placed to boost trade with its two giant neighbors. The country needs to diversify its economy beyond mining, enhance economic stability, and increase employment. To maximize Mongolia's potential the government can improve macroeconomic management, enhance the skill base, and provide hard and soft infrastructure to promote trade and efficient logistics. Governance and institutional reforms are also crucial. The government will need to continue to drive reforms so that they are well implemented and deliver the intended change. OECD Regions at a Glance shows how regions and cities contribute to national economic growth and well-being. This edition updates more than 40 region-by-region indicators to assess disparities within countries and their evolution over the past 15 years. Providing a state-of-the-art account of the nature, distribution and determinants of sports injury in children and adolescents, this unique volume uses the public health model to describe the scope of the injury problem and the associated risk factors and evaluate the current research on injury prevention strategies as described in the literature. Thoughtfully divided in six sections, the nature of the young athlete and epidemiology of pediatric and adolescent sports injury are described first. Then an overview of the most common types of youth sports injuries as well as more serious injuries (e.g., concussions) and outcomes is presented, followed by a discussion of injury causation and prevention. Suggestions for future research rounds out the presentation. Each chapter is illustrated with tables which make it easy to examine injury factors between studies. Throughout, the editors and contributors have taken an evidence-based approach and adopted a uniform methodology to assess the data available. Ideal for physicians, physical therapists, athletic trainers and sports scientists alike, Injury in Pediatric and Adolescent Sports concisely and accurately presents the situation faced by clinicians treating young athletes and the challenges they face in keeping up with this growing and active population. Furthermore, the information in this book will be useful to allied health researchers and sport governing bodies as an informed basis for continued epidemiological study and implementation of injury prevention initiatives designed to reduce the incidence and severity of injuries encountered by young athletes. The US and international defense industrial sectors have faced many challenges over the last twenty years, including cycles of growth and shrinkage in defense budgets, shifts in strategic defense priorities, and macroeconomic volatility. In the current environment, the defense sector faces a combination of these challenges and must struggle with the need to maintain critical aspects of the defense industrial base as defense priorities change and as defense budgets reduce or plateau. Moreover, the defense sector in the US is interconnected both with defense sectors in other countries and with other industry sectors in the US and global economies. As a result, strategic decisions made in one defense sector impact the defense sectors of other countries, as well as other areas of the economy. Given her academic, corporate, and Department of Defense experience as a leading economist and policy-maker, Dr. Nayantara Hensel is perfectly positioned to examine the interrelationship between these forces both historically and in the current environment, and to assess the implications for the future global defense industrial base. This country review offers an independent analysis of major issues facing the use of school resources in Portugal from an international perspective. It provides a description of national policies, an analysis of strengths and challenges and options for possible future approaches. Towards Green Marine Technology and Transport covers recent developments in marine technology and transport. The book brings together a selection of papers reflecting fundamental areas of recent research and development in the fields of ship hydrodynamics, marine structures, ship design, shipyard technology, ship machinery, maritime transportation, Global Media Giants takes an in-depth look at how media corporate power works globally, regionally, and nationally, investigating the ways in which the largest and most powerful media corporations in the world wield power. Case studies examine not only some of the largest media corporations (News Corp., The Microsoft Corporation) in terms of revenues, but also media corporations that hold considerable power within national, regional, or geolinguistic contexts (Televisa, The Bertelsmann Group, Sony Corporation). Each chapter approaches a different corporation through the lens of economy, politics, and culture, giving students and scholars a thoughtful and data-driven guide with which to interrogate contemporary media industry power. This book constitutes the thoroughly refereed conference proceedings of the 5th International Conference on E-Voting and Identity, VoteID 2015, held in Bern, Switzerland, in September 2015. The 10 revised full papers presented, including one keynote and three invited talks, were carefully selected from 26 submissions. The papers deal with real-world electronic systems; advanced voting protocols; document analysis, machine-checked reasoning, e-voting system in court. The 8th International Conference on Physical Modelling in Geotechnics (ICPMG2014) was organised by the Centre for Offshore Foundation Systems at the University of Western Australia under the auspices of the Technical Committee 104 for Physical Modelling in Geotechnics of the International Society of Soil Mechanics and Geotechnical Engineering. This quadrennial conference is the traditional focal point for the physical modelling community of academics, scientists and engineers to present and exchange the latest developments on a wide range of physical modelling aspects associated with geotechnical engineering. These proceedings, together with the seven previous proceedings dating from 1988, present an inestimable collection of the technical and scientific developments and breakthroughs established over the last 25 years. These proceedings include 10 keynote lectures from scientific leaders within the physical modelling community and 160 peer-reviewed papers from 26 countries. They are organised in 14 themes, presenting the latest developments in physical modelling technology, modelling techniques and sensors, through

a wide range of soil-structure interaction problems, including shallow and deep foundations, offshore geotechnics, dams and embankments, excavations and retaining structures and slope stability. Fundamental aspects of earthquake engineering, geohazards, ground reinforcements and improvements, and soil properties and behaviour are also covered, demonstrating the increasing complexity of modelling arising from state-of-the-art technological developments and increased understanding of similitude principles. A special theme on education presents the latest developments in the use of physical modelling techniques for instructing undergraduate and postgraduate students in geotechnical engineering. This comprehensive handbook critically addresses current issues and achievements in the field of media branding. By discussing media branding from different viewpoints, disciplines and research traditions, this book offers fresh perspectives and identifies areas of interest for further research. The authors highlight the peculiarities of this field and reveal links and commonalities with other areas of study within communication science. The chapters address different research areas, such as society-, content-, management-, audience- as well as advertising aspects of media brands. This handbook thus brings together contributions from different areas making it a valuable resource for researchers and experts from industry interested in media branding. The three-volume set LNCS 9186, 9187, and 9188 constitutes the proceedings of the 4th International Conference on Design, User Experience, and Usability, DUXU 2015, held as part of the 17th International Conference on Human-Computer Interaction, HCII 2015, in Los Angeles, CA, USA, in August 2015, jointly with 13 other thematically similar conferences. The total of 1462 papers and 246 posters presented at the HCII 2015 conferences were carefully reviewed and selected from 4843 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 132 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in this three-volume set. The 61 papers included in this volume are organized in topical sections on design thinking, user experience design and usability methods and tools, DUXU management and practice, emotional and persuasion design, and storytelling, narrative and fiction in DUXU. Modern engineering processes and tasks are highly complex, multi- and interdisciplinary, requiring the cooperative effort of different specialists from engineering, mathematics, computer science and even social sciences. Optimization methodologies are fundamental instruments to tackle this complexity, giving the possibility to unite synergistically team members' inputs and thus decisively contribute to solving new engineering technological challenges. With this context in mind, the main goal of Engineering Optimization 2014 is to unite engineers, applied mathematicians, computer and other applied scientists working on research, development and practical application of optimization methods applied to all engineering disciplines, in a common scientific forum to present, analyze and discuss the latest developments in this area. Engineering Optimization 2014 contains the edited papers presented at the 4th International Conference on Engineering Optimization (ENGOPT2014, Lisbon, Portugal, 8-11 September 2014). ENGOPT2014 is the fourth edition of the biennial "International Conference on Engineering Optimization". The first conference took place in 2008 in Rio de Janeiro, the second in Lisbon in 2010 and the third in Rio de Janeiro in 2012. The contributing papers are organized around the following major themes: - Numerical Optimization Techniques - Design Optimization and Inverse Problems - Efficient Analysis and Reanalysis Techniques - Sensitivity Analysis - Industrial Applications - Topology Optimization For Structural Static and Dynamic Failures - Optimization in Oil and Gas Industries - New Advances in Derivative-Free Optimization Methods for Engineering Optimization - Optimization Methods in Biomechanics and Biomedical Engineering - Optimization of Laminated Composite Materials - Inverse Problems in Engineering Engineering Optimization 2014 will be of great interest to engineers and academics in engineering, mathematics and computer science. Thomas Clarke's International Corporate Governance offers a comprehensive guide to corporate governance forms and institutions and examines the recurring crises in corporate governance and the resulting corporate governance reform around the world. While the popular structure of the original text has been retained, significant changes have been made to take account of the global financial crisis, ever-changing regulations and worldwide governance developments. Key topics include: The governance failures of international corporations such as Enron and Lehman Brothers Diversity in corporate and institutional forms across the world The role of international corporate governance standards Digital disruption in capital markets and proposals for rebuilding commitment to long-term investing The impact of financialization and corporate governance practices on increasing inequality The links between corporate governance, corporate social responsibility and sustainability This textbook contains a wealth of pedagogical material to guide the reader through this complex subject, including student questions to help with assessments, and a new companion website. There are also thirteen forensic case studies which scrutinize the governance failures seen at RBS, UBS, BP, Volkswagen and many other international corporations. International Corporate Governance will be an essential text for anybody studying corporate governance at the advanced undergraduate, master's or executive level. This book constitutes the proceedings of the 12th International Conference on the Integration of Artificial Intelligence (AI) and Operations Research (OR) Techniques in Constraint Programming, CPAIOR 2015, held in Barcelona, Spain, in May 2015. The 29 papers presented together with 8 short papers in this volume were carefully reviewed and selected from 90 submissions. The purpose of the conference series is to bring together researchers in the fields of Constraint Programming, Artificial Intelligence and Operations Research to explore ways of solving hard and large scale combinatorial optimization problems that emerge in various industrial domains. Pooling the skills and strengths of this diverse group of researchers has proved extremely effective and valuable during the past decade leading to improvements and cross-fertilization between the three fields as well as breakthrough for actual applications. Africa is endowed with commercially viable quantities of several minerals and metals, and, more than ever before, African countries wish to harness their mineral resources for their economic development. The African mining sector has witnessed a revolution in terms of new mining codes and amendments to extant mining codes, which are designed to achieve a multitude of objectives, including the assertion of greater control over exploitation of mineral resources; optimization of resource royalties and taxes; promotion of equity participation in mining projects; enhancement of indigenization in the form of domestic participation in mineral production and local content requirements; value addition and beneficiation in terms of domestic processing of raw mineral ores and metals in Africa; and the promotion of sustainable practices in the mining sector. This book analyzes the legal and fiscal frameworks for hard-rock mining in several African countries including Botswana, Democratic Republic of Congo, Ethiopia, Ghana, Guinea, Kenya, Namibia, Nigeria, Liberia, Tanzania, Sierra Leone, South Africa, South Sudan, Zambia, and Zimbabwe, with reference to other resource-rich countries. It engages in a comparative analysis of mining statutes in Africa with regard to topics such as the acquisition of mineral rights; types of mineral rights; the nature of mineral

rights; the rights and obligations of mineral right holders; security of mineral tenure; surface rights; fiscal regimes including royalty and tax regimes; resource nationalism in the mining sector; management and utilization of mining revenues including benefit-sharing arrangements between mining companies and host communities; environmental stewardship; and sustainable exploitation of mineral resources. **BEST PRACTICES FROM SINGAPORE'S HIGH-PERFORMING SCHOOL SYSTEM** Empowered Educators in Singapore is one volume in a series that explores how high-performing educational systems from around the world achieve strong results. The anchor book, *Empowered Educators: How High-Performing Systems Shape Teaching Quality Around the World*, is written by Linda Darling-Hammond and colleagues, with contributions from the authors of this volume. *Empowered Educators in Singapore* delves into the country's rapid rise to educational excellence on a global scale and the national effort that drives it. Singaporean students routinely outperform their peers from around the world, placing first or second in international assessments, particularly in math and science. In 2015, Singaporean students topped the league table for both the Programme in International Student Achievement (PISA) and the Trends in International Mathematics and Science Study (TIMSS). With educators around the world clamoring for the "Singapore secret," the reality is that Singapore's excellence is the result of a 25-year drive to improve education through systemic, long-term and ongoing, consistent, and deliberative reform with an emphasis on teacher quality. This book describes the interwoven strategies that merge context, quality, governance, and continual evolution into a consistently high-achieving student population. These proceedings represent the work of researchers participating in the 11th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning - ICICKM 2014, which this year is being held at The University of Sydney Business School, The University of Sydney, Australia. The Conference Co-Chairs are Dr John Dumay from Macquarie University, Sydney, Australia and Dr Gary Oliver from the University of Sydney, Australia. The conference will be opened with a keynote by Goran Roos, Advanced Manufacturing Council, Adelaide, Australia who will address the topic of "Intellectual capital in Australia: Economic development in a high cost economy." The second day will be opened with a from James Guthrie, University of Sydney, Australia on the topic of "Intellectual Capital and the Public Sector Research: Past, Present, and Future." Table olives are a traditional fermented vegetable with many centuries of history, particularly in the Mediterranean basin, where this food has had a great influence on the culture and diet of many countries. Moreover, this fermented food is prepared with fruits obtained from cultivated *Olea europaea* subsp. *europaea* var. *europaea* trees and has been expanded for many countries all over the world. At present, the table olive is one of the major fermented vegetables, with an overall production above 2,500,000 tons/year. Thus, the table olive industry is increasingly demanding new biotechnological approaches, sensory characteristics and differentiation of the products. So scientists have to focus on solving problems and providing new tools in this fermented food process. In recent years, there is an increased interest in different nutritional and microbial aspects related to table olives. During the last five years, new fields have been implemented or developed, such as new probiotic strains to produce an enriched product, study of pathogen survival, NaCl content reduction, microbial resistant to stress conditions, microbial biofilms, predictive microbiology, use of NGS and metagenomics, use of bioactive compounds derived from table olive processing and the treatment of effluents generated during olive processing. The diversity of research displayed in this Research Topic demonstrates the important potential of this product and its impact on the fermented vegetables economy. **The Basics of Public Budgeting and Financial Management** brings budgetary theory and practice together, filling the void between the two that has existed in the field of budgeting and public finance. This book bridges the gap by providing the reader with applications and exercises that reinforce budgetary theory. Students are given the opportunity to learn various concepts and skills necessary to succeed in the field and the exercises provided in each chapter require application of what is learned. Specifically, students will be exposed to basic budget and finance concepts, public revenue, financial management, risk assessment, cost benefit analysis, and so on. This handbook also provides great tools that allow the user to visually display budgets and other analysis. Students will gain the solid foundation needed to begin work in a budget office. Features of this second edition include enhanced data and optional in-class assignments. For ancillary materials, please contact the author at [menifieldc@missouri.edu](mailto:menifieldc@missouri.edu). This book introduces simultaneous source technology and helps those who practice it succeed. Although the book does not include all developments, which would have entailed a much longer treatise, this work is written through the lens of decades of experiences and allows readers to understand the development of independent simultaneous sourcing. The relationships between data acquisition and data processing are discussed because never before have they been so intertwined as in this area. In addition to describing the underlying technologies, this book also is a user-guide which discusses survey design and acquisition and describes the sensitivities of the processing algorithms which can allow simultaneous source technology to succeed. The audience for this book includes acquisition and processing geophysicists who will work with these data as well as those who require only an overview of the state of the art; and, even though they may not need the full technical details, they may want to know the limitations and advantages of using simultaneous sources. Section one is focused on multi-criteria decision applications, the second on supply chain management and finally authors look at productivity analysis. Thus this volume will be of interest to those involved in the applications of these methods, in a realistic managerial problem solving environment through the use of management science modeling. This book explores and compares the systems of doctoral education in twelve higher education systems, consisting of four systems in East Asia, four in Europe and four Anglo-American systems. The emphasis placed on doctoral education and training has increased dramatically in many higher education systems in response to the global competition for highly skilled human resources to serve the needs of knowledge societies. Doctoral education is a key element within the research and development infrastructure, and doctoral students support university research and represent the next generation of the professoriate. While doctoral education has received considerable attention within national higher education systems, there has been surprisingly little international or comparative research on the structure of doctoral education and the nature of contemporary reforms. **Microprocessors and Microcomputer-Based System Design, Second Edition**, builds on the concepts of the first edition. It discusses the basics of microprocessors, various 32-bit microprocessors, the 8085 microprocessor, the fundamentals of peripheral interfacing, and Intel and Motorola microprocessors. This edition includes new topics such as floating-point arithmetic, Program Array Logic, and flash memories. It covers the popular Intel 80486/80960 and Motorola 68040 as well as the Pentium and PowerPC microprocessors. The final chapter presents system design concepts, applying the design principles covered in previous chapters to sample problems. **Valiant Warrior: Knight of the Third Crusade** is an adventure book of a young man, Sir Richard Fowler, who leads his bow men from Buckinghamshire, England, on crusade to fight with the Knights Templar; King Richard the Lion Heart; and other crusader armies against the powerful Saladin and the Muslim

army to recapture the Holy Lands and Jerusalem. Die Studie richtet sich an Wissenschaftler, Regulierer, Standard Setter und Analysten von Umweltberichten, mit dem Ziel darzulegen, wie CO<sub>2</sub>-effiziente Unternehmen identifiziert werden können. In dem Buch werden die Herausforderungen und Voraussetzungen für die Analyse von CO<sub>2</sub>-Emissionen dargestellt. Es beinhaltet eine Übersicht zu dem regulativen Umfeld und den entsprechenden relevanten Berichtsstandards für die CO<sub>2</sub>-Berichterstattung. Unzulänglichkeiten in der aktuellen Forschung, insbesondere der "Pays-to-be-green-Literatur", werden analysiert und eine Forschungslücke, wie Umweltberichte interpretiert werden können, identifiziert. Die Schwachstellen der derzeitigen Umweltberichterstattung werden mit Hilfe von Experteninterviews aufgezeigt. Eine zweite anschließende empirische Studie zeigt mit Hilfe des CDP-Datensatz der Berichtsjahre 2010 bis 2015 die empirische Relevanz dieser Berichtsschwachstellen. Monaro Farming Systems (MFS) is a regional landholder group initiated and developed in September 2007. The group was set up, primarily, as a knowledge- and information-based organisation, to help farm businesses to be more profitable and resilient in the long term. In this way it allows peers and researchers to work together to improve practice and innovation in farming systems. The group has over 100 individual members, from the Bombala, Cooma-Monaro and Snowy River Shires. These members manage approximately 30% of the privately held land on the Monaro region (over 80,000ha) and are responsible for approximately 40% of agricultural production. The Monaro soil carbon project aimed to demonstrate the impact of farm management strategies on the concentration and stock of carbon in soil over a two year period. Eight different land-use systems were identified by members of the Monaro Farming Systems group. The practices of interest included liming, nutrient management, introduced perennial pastures and minimum disturbance cropping. In addition the project looked at increases in biomass production within the context of reducing DSE emissions intensity and any offsets required for increases in stocking rates associated with production gains. Monaro Farming Systems members wanted to compare the influence of soil type, rainfall and land management on carbon stocks. The questions they wanted answered were: Does minimum disturbance cropping influence carbon stocks over a 2 year period? What is the effect of 'parent material' ie. shale, deep granite and basalt (ascending texture, fertility and structure) on carbon stocks in the Monaro region? What influence does 'aspect' have on carbon stocks in a system with optimum sequestration potential ie. fertilised, permanent, perennial pasture system? Does liming introduced pasture increase C sequestration? What effect does soil fertility have on C stocks in the Monaro region? What effect does pasture age have on the potential of a phalaris perennial pasture to sequester carbon. Does age create a 'ceiling' on sequestration potentials? Fundamentals of Digital Logic and Microcomputer Design, has long been hailed for its clear and simple presentation of the principles and basic tools required to design typical digital systems such as microcomputers. In this Fifth Edition, the author focuses on computer design at three levels: the device level, the logic level, and the system level. Basic topics are covered, such as number systems and Boolean algebra, combinational and sequential logic design, as well as more advanced subjects such as assembly language programming and microprocessor-based system design. Numerous examples are provided throughout the text. Coverage includes: Digital circuits at the gate and flip-flop levels Analysis and design of combinational and sequential circuits Microcomputer organization, architecture, and programming concepts Design of computer instruction sets, CPU, memory, and I/O System design features associated with popular microprocessors from Intel and Motorola Future plans in microprocessor development An instructor's manual, available upon request Additionally, the accompanying CD-ROM, contains step-by-step procedures for installing and using Altera Quartus II software, MASM 6.11 (8086), and 68asm (68000), provides valuable simulation results via screen shots. Fundamentals of Digital Logic and Microcomputer Design is an essential reference that will provide you with the fundamental tools you need to design typical digital systems. Through an analysis of hundreds of Hollywood movies, this book examines some of the most contentious social issues of our time, including racism, social inequality, sexism, and gerontophobia. With studies of some of the most enduring film genres in Hollywood's history, including romantic films such as Casablanca, war movies from World War II through the Iraq and Afghanistan conflicts, alienation films, including Five Easy Pieces and Lost in Translation, the school movie, from Goodbye, Mr. Chips to other films set in academia, including Dead Poets Society and Dangerous Minds, the book outlines and demonstrates the sociological approach to viewing films and highlights the socially conservative nature of much Hollywood movie production, which draws on common stereotypes and reinforces dominant cultural values - but is also capable of challenging and serving to change them. 2014 International Conference on Artificial Intelligence and Software Engineering (AISE2014) aims to provide a forum for accessing to the most up-to-date and authoritative knowledge from both Artificial Intelligence and Software Engineering. AISE2014 features unique mixed topics of AI Algorithms, Data Mining, Knowledge-based Systems, Software Process and so on. The goal of this conference is to bring researchers, engineers, and students to the areas of Artificial Intelligence and Software Engineering to share experiences and original research contributions on those topics. Researchers and practitioners are invited to submit their contributions to AISE2014.

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