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Combining computer concepts material from the best-selling Discovering Computers and step-by-step instruction on Office applications from Microsoft Office 2013, ENHANCED DISCOVERING COMPUTERS & MICROSOFT OFFICE 2013: A COMBINED FUNDAMENTAL APPROACH delivers the best of Shelly Cashman Series in one book for your Introduction to Computers course. For the past three decades, the Shelly Cashman Series has effectively introduced computer skills to millions of students. We're continuing our history of innovation by enhancing our proven pedagogy to engage you in more critical thought, personalization, and experimentation with Office 2013 software. In addition, computer concepts content has been fully updated and revised to reflect the evolving needs of Introductory Computing students, and focus solely on what you really need to know to be a successful digital citizen in college and beyond. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This volume comprises select papers presented during the Indian Geotechnical Conference 2018. This volume discusses construction challenges and issues in geotechnical engineering. The contents cover foundation design and analysis, issues related to geotechnical structures, including dams, retaining walls, embankments and pavements, and rock mechanics and construction in rocks and rocky environments. Many of the papers discuss live case studies related to important geotechnical engineering projects worldwide, providing useful insights into the realistic designs and constructions. This volume will be of interest to students, researchers and practitioners alike.

"At Cisco, we have adopted the CERT C Coding Standard as the internal secure coding standard for all C developers. It is a core component of our secure development lifecycle. The coding standard described in this book breaks down complex software security topics into easy-to-follow rules with excellent real-world examples. It is an essential reference for any developer who wishes to write secure and resilient software in C and C++." —Edward D. Paradise, vice president, engineering, threat response, intelligence, and development, Cisco Systems Secure programming in C can be more difficult than even many experienced programmers realize. To help programmers write more secure code, The CERT® C Coding Standard, Second Edition, fully documents the second official release of the CERT standard for secure coding in C. The rules laid forth in this new edition will help ensure that programmers' code fully complies with the new C11 standard; it also addresses earlier versions, including C99. The new standard itemizes those coding errors that are the root causes of current soft-

ware vulnerabilities in C, prioritizing them by severity, likelihood of exploitation, and remediation costs. Each of the text's 98 guidelines includes examples of insecure code as well as secure, C11--conforming, alternative implementations. If uniformly applied, these guidelines will eliminate critical coding errors that lead to buffer overflows, format-string vulnerabilities, integer overflow, and other common vulnerabilities. This book reflects numerous experts' contributions to the open development and review of the rules and recommendations that comprise this standard. Coverage includes Preprocessor Declarations and Initialization Expressions Integers Floating Point Arrays Characters and Strings Memory Management Input/Output Environment Signals Error Handling Concurrency Miscellaneous Issues

This report describes the four basic types of on- and off-grid small power producers emerging in Africa and highlights the regulatory and policy questions that must be answered by electricity regulators, rural energy agencies, and ministries to promote commercially sustainable investments by private operators and community organizations.

Finite Element Analysis Applications: A Systematic and Practical Approach strikes a solid balance between more traditional FEA textbooks that focus primarily on theory, and the software specific guidebooks that help teach students and professionals how to use particular FEA software packages without providing the theoretical foundation. In this new textbook, Professor Bi condenses the introduction of theories and focuses mainly on essentials that students need to understand FEA models. The book is organized to be application-oriented, covering FEA modeling theory and skills directly associated with activities involved in design processes. Discussion of classic FEA elements (such as truss, beam and frame) is limited. Via the use of several case studies, the book provides easy-to-follow guidance on modeling of different design problems. It uses SolidWorks simulation as the platform so that students do not need to waste time creating geometries for FEA modelling. Provides a systematic approach to dealing with the complexity of various engineering designs Includes sections on the design of machine elements to illustrate FEA applications Contains practical case studies presented as tutorials to facilitate learning of FEA methods Includes ancillary materials, such as a solutions manual for instructors, PPT lecture slides and downloadable CAD models for examples in SolidWorks Interest in the phenomenon known as "lean" has grown significantly in recent years. This is the first volume to provide an academically rigorous overview of the field of lean management, introducing the reader to the application of lean in diverse application areas, from the production floor to sales and marketing, from the automobile industry to academic institutions. The volume collects contribu-

tions from well-known lean experts and up-and-coming scholars from around the world. The chapters provide a detailed description of lean management across the manufacturing enterprise (supply chain, accounting, production, sales, IT etc.), and offer important perspectives for applying lean across different industries (construction, healthcare, logistics). The contributors address challenges and opportunities for future development in each of the lean application areas, concluding most chapters with a short case study to illustrate current best practice. The book is divided into three parts: The Lean Enterprise Lean across Industries A Lean World. This handbook is an excellent resource for business and management students as well as any academics, scholars, practitioners, and consultants interested in the "lean world."

This book brings together leading scholars from around the world to provide their most influential thinking on instructional feedback. The chapters range from academic, in-depth reviews of the research on instructional feedback to a case study on how feedback altered the life-course of one author. Furthermore, it features critical subject areas - including mathematics, science, music, and even animal training - and focuses on working at various developmental levels of learners. The affective, non-cognitive aspects of feedback are also targeted; such as how learners react emotionally to receiving feedback. The exploration of the theoretical underpinnings of how feedback changes the course of instruction leads to practical advice on how to give such feedback effectively in a variety of diverse contexts. Anyone interested in researching instructional feedback, or providing it in their class or course, will discover why, when, and where instructional feedback is effective and how best to provide it.

Embedded Systems Architecture is a practical and technical guide to understanding the components that make up an embedded system's architecture. This book is perfect for those starting out as technical professionals such as engineers, programmers and designers of embedded systems; and also for students of computer science, computer engineering and electrical engineering. It gives a much-needed 'big picture' for recently graduated engineers grappling with understanding the design of real-world systems for the first time, and provides professionals with a systems-level picture of the key elements that can go into an embedded design, providing a firm foundation on which to build their skills. Real-world approach to the fundamentals, as well as the design and architecture process, makes this book a popular reference for the daunted or the inexperienced: if in doubt, the answer is in here! Fully updated with new coverage of FPGAs, testing, middleware and the latest programming techniques in C, plus complete source code and sample code, reference designs and tools online make this the complete package Visit the companion web site at <http://booksite.elsevier.com/9780123821966/> for source code, design examples, data sheets and more A true introductory book, provides a comprehensive get up and running reference for those new to the field, and updating skills: assumes no prior knowledge beyond undergrad level electrical engineering Addresses the needs of practicing engineers, enabling it to get to the point more directly, and cover more ground. Covers hardware, software and middleware in a single volume Includes a library of design examples and design tools, plus a complete set of source code and embedded systems design tutorial materials from companion website

As real-time and integrated systems become increasingly sophisticated, issues related to development life cycles, non-recurring engineering costs, and poor synergy between development teams

will arise. The Handbook of Research on Embedded Systems Design provides insights from the computer science community on integrated systems research projects taking place in the European region. This premier references work takes a look at the diverse range of design principles covered by these projects, from specification at high abstraction levels using standards such as UML and related profiles to intermediate design phases. This work will be invaluable to designers of embedded software, academicians, students, practitioners, professionals, and researchers working in the computer science industry.

The Yearbook of Corpus Linguistics and Pragmatics 2013 discusses current methodological debates on the synergy of Corpus Linguistics and Pragmatics research. The volume presents insightful pragmatic analyses of corpora in new technological domains and devotes some chapters to the pragmatic description of spoken corpora from various theoretical traditions. The Yearbook of Corpus Linguistics and Pragmatics series will give readers insight into how pragmatics can be used to explain real corpus data, and, in addition, how corpora can explain pragmatic intuitions, and from there, develop and refine theory. Corpus Linguistics can offer a meticulous methodology based on mathematics and statistics, while Pragmatics is characterized by its efforts to interpret intended meaning in real language. This yearbook offers a platform to scholars who combine both research methodologies to present rigorous and interdisciplinary findings about language in real use.

This new edition incorporates revised guidance from H.M Treasury which is designed to promote efficient policy development and resource allocation across government through the use of a thorough, long-term and analytically robust approach to the appraisal and evaluation of public service projects before significant funds are committed. It is the first edition to have been aided by a consultation process in order to ensure the guidance is clearer and more closely tailored to suit the needs of users.

This book provides an insight into recent technological trends and innovations in mobility solutions and platforms to improve mobility of visually impaired people. The authors' goal is to help to contribute to the social and societal inclusion of the visually impaired. The book's topics include, but are not limited to, obstacle detection systems, indoor and outdoor navigation, transportation sustainability systems, and hardware/devices to aid visually impaired people. The book has a strong focus on practical applications, tested in a real environment. Applications include city halls, municipalities, and companies that can keep up to date with recent trends in platforms, methodologies and technologies to promote urban mobility. Also discussed are broader realms including education, health, electronics, tourism, and transportation. Contributors include a variety of researchers and practitioners around the world. Features practical, tested applications of technological mobility solutions for visual impaired people; Presents topics such as obstacle detection systems, urban mobility, smart home services, and ambient assisted living; Includes a number of application examples in education, health, electronics, tourism, and transportation.

Multicultural aspects of psychology have received some attention in the literature in the last decade. A number of texts currently address these significant concerns, for example, Counseling the Culturally Different (Sue & Sue, 2008); Handbook of Multicultural Counseling (Poterotto et al., 2009); and Handbook of Multicultural Counseling Competencies (Pope-Davis & Coleman, 2005). In their most recent editions, several of these books address more nuanced complexities of diversity, for example,

the intersections of gender or social class with race-ethnicity. Meanwhile, other texts have addressed gender issues in psychology (Handbook of Counseling Women, Counseling Men), with some attention paid to racial-ethnic and other diversity concerns. Clearly the progression of scholarship in this field reflects the importance of incorporating multiple aspects of diversity within psychology. However, no book currently exists that fully addresses the complexities of race-ethnicity and gender together. Better understanding of the dual impact of race-ethnicity and gender on psychological functioning may lead to more effective conceptualizations of a number of mental health issues, such as domestic violence, addictions, health-related behaviors and achievement. Exploring the impact of race-ethnicity and gender also may provide a broader understanding of self-in-community, as this affects individuals, families and other social groups and work and career development. Topics of interest may include identity development, worldviews and belief systems, parenting styles, interventions for promoting resilience and persistence and strategies for enhancing more accurate diagnostic and treatment modalities. Today's world is comprised of multiple and intersecting communities that remain in need of psychological models and interventions that support and promote both individual and collective mental health. We believe that utilizing unidimensional conceptual models (e.g. focusing solely on race-ethnicity or gender) no longer adequately addresses psychological concerns that are dynamic, complex and multi-faceted. The proposed Handbook will focus on timely topics which historically have been under-addressed for a number of diverse populations.

Ambient intelligence (Aml) is an element of pervasive computing that brings smartness to living and business environments to make them more sensitive, adaptive, autonomous and personalized to human needs. It refers to intelligent interfaces that recognise human presence and preferences, and adjust smart environments to suit their immediate needs and requirements. The key factor is the presence of intelligence and decision-making capabilities in IoT environments. The underlying technologies include pervasive computing, ubiquitous communication, seamless connectivity of smart devices, sensor networks, artificial intelligence (AI), machine learning (ML) and context-aware human-computer interaction (HCI). Aml applications and scenarios include smart homes, autonomous self-driving vehicles, healthcare systems, smart roads, the industry sector, smart facilities management, the education sector, emergency services, and many more. The advantages of Aml in the IoT environment are extensive. However, as for any new technological paradigm, there are also many open issues and limitations. This book discusses the Aml element of the IoT and the relevant principles, frameworks, and technologies in particular, as well as the benefits and inherent limitations. It reviews the state of the art of current developments relating to smart spaces and Aml-based IoT environments. Written by leading international researchers and practitioners, the majority of the contributions focus on device connectivity, pervasive computing and context modelling (including communication, security, interoperability, scalability, and adaptability). The book presents cutting-edge research, current trends, and case studies, as well as suggestions to further our understanding and the development and enhancement of the Aml-IoT vision.

Frontiers in Offshore Geotechnics III comprises the contributions presented at the Third International Symposium on Frontiers in Offshore Geotechnics (ISFOG, Oslo, Norway, 10-12 June 2015), organised by the Norwegian Geotechnical Institute (NGI). The papers address current and emerging geotechnical engineering challenges facing those working in off

This second volume is a continuation of the successful first volume of this Springer book, and as well as addressing broader topics it puts a particular focus on unmanned aerial vehicles (UAVs) with Robot Operating System (ROS). Consisting of three types of chapters: tutorials, cases studies, and research papers, it provides comprehensive additional material on ROS and the aspects of developing robotics systems, algorithms, frameworks, and applications with ROS. ROS is being increasingly integrated in almost all kinds of robots and is becoming the de-facto standard for developing applications and systems for robotics. Although the research community is actively developing applications with ROS and extending its features, amount of literature references is not representative of the huge amount of work being done. The book includes 19 chapters organized into six parts: Part 1 presents the control of UAVs with ROS, while in Part 2, three chapters deal with control of mobile robots. Part 3 provides recent work toward integrating ROS with Internet, cloud and distributed systems. Part 4 offers five case studies of service robots and field experiments. Part 5 presents signal-processing tools for perception and sensing, and lastly, Part 6 introduces advanced simulation frameworks. The diversity of topics in the book makes it a unique and valuable reference resource for ROS users, researchers, learners and developers.

References; Chapter 6 Privacy, Security, and Confidentiality; Chapter Overview; Introduction; History of Legal Protection for Privacy; Health Insurance Portability and Accountability Act of 1996 (HIPAA); Use of PHI in Marketing, Fundraising, and Research; Enforcement of Privacy and Security of PHI; Filing Complaints; Health Information Technology for Economic and Clinical Health (HITECH) Act; Unresolved Issues of Health Information; Summary; References; Chapter 7 Database Systems for Healthcare Applications; Chapter Overview; Using Databases in Healthcare Settings.

The definitive text for students of digital forensics, as well as professionals looking to deepen their understanding of an increasingly critical field. Written by faculty members and associates of the world-renowned Norwegian Information Security Laboratory (NisLab) at the Norwegian University of Science and Technology (NTNU), this textbook takes a scientific approach to digital forensics ideally suited for university courses in digital forensics and information security. Each chapter was written by an accomplished expert in his or her field, many of them with extensive experience in law enforcement and industry. The author team comprises experts in digital forensics, cybercrime law, information security and related areas. Digital forensics is a key competency in meeting the growing risks of cybercrime, as well as for criminal investigation generally. Considering the astonishing pace at which new information technology – and new ways of exploiting information technology – is brought on line, researchers and practitioners regularly face new technical challenges, forcing them to continuously upgrade their investigatory skills. Designed to prepare the next generation to rise to those challenges, the material contained in Digital Forensics has been tested and refined by use in both graduate and undergraduate programs and subjected to formal evaluations for more than ten years. Encompasses all aspects of the field, including methodological, scientific, technical and legal matters. Based on the latest research, it provides novel insights for students, including an informed look at the future of digital forensics. Includes test questions from actual exam sets, multiple choice questions suitable for online use and numerous visuals, illustrations and case example images. Features real-world examples and scenarios, including court cases and technical problems, as well as a rich library of academic references and references to online media. Digital Forensics is an excellent

introductory text for programs in computer science and computer engineering and for master degree programs in military and police education. It is also a valuable reference for legal practitioners, police officers, investigators, and forensic practitioners seeking to gain a deeper understanding of digital forensics and cybercrime.

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

This core text for trainee primary teachers is a guide to the teaching of computing and coding, and provides an exploration of how children develop their computational thinking.

An examination of the uses of data within a changing knowledge infrastructure, offering analysis and case studies from the sciences, social sciences, and humanities. “Big Data” is on the covers of *Science*, *Nature*, the *Economist*, and *Wired* magazines, on the front pages of the *Wall Street Journal* and the *New York Times*. But despite the media hyperbole, as Christine Borgman points out in this examination of data and scholarly research, having the right data is usually better than having more data; little data can be just as valuable as big data. In many cases, there are no data—because relevant data don't exist, cannot be found, or are not available. Moreover, data sharing is difficult, incentives to do so are minimal, and data practices vary widely across disciplines. Borgman, an often-cited authority on scholarly communication, argues that data have no value or meaning in isolation; they exist within a knowledge infrastructure—an ecology of people, practices, technologies, institutions, material objects, and relationships. After laying out the premises of her investigation—six “provocations” meant to inspire discussion about the uses of data in scholarship—Borgman offers case studies of data practices in the sciences, the social sciences, and the humanities, and then considers the implications of her findings for scholarly practice and research policy. To manage and exploit data over the long term, Borgman argues, requires massive investment in knowledge infrastructures; at stake is the future of scholarship.

This book presents an in-depth review of the state of the art of cyber-physical systems (CPS) and their applications. Relevant case studies are also provided, to help the reader to master the interdisciplinary material. Features: includes self-test exercises in each chapter, together with a glossary; offers a variety of teaching support materials at an associated website, including a comprehensive set of slides and lecture videos; presents a brief overview of the study of systems, and embedded

computing systems, before defining CPS; introduces the concepts of the Internet of Things, and ubiquitous (or pervasive) computing; reviews the design challenges of CPS, and their impact on systems and software engineering; describes the ideas behind Industry 4.0 and the revolutions in digital manufacturing, including smart and agile manufacturing, as well as cybersecurity in manufacturing; considers the social impact of the changes in skills required by the globalized, digital work environment of the future.

Alexander Biedermann presents a generic hardware-based virtualization approach, which may transform an array of any off-the-shelf embedded processors into a multi-processor system with high execution dynamism. Based on this approach, he highlights concepts for the design of energy aware systems, self-healing systems as well as parallelized systems. For the latter, the novel so-called Agile Processing scheme is introduced by the author, which enables a seamless transition between sequential and parallel execution schemes. The design of such virtualizable systems is further aided by introduction of a dedicated design framework, which integrates into existing, commercial workflows. As a result, this book provides comprehensive design flows for the design of embedded multi-processor systems-on-chip.

Revised to reflect recent ethical, legal, and professional developments, Welfel's *ETHICS IN COUNSELING AND PSYCHOTHERAPY* prepares readers to deal effectively with the issues they will confront in practice. The book's ten-step model for ethical decision making guides students and practitioners as they work through and analyze complicated ethics cases that demonstrate some of the most challenging dilemmas they will face. Updated to integrate the new 2014 ACA Code of Ethics, this edition also explores how technology (including social networking) relates to ethical issues, and discusses the ethical issues that may arise when counseling clients from different cultural backgrounds, clients with disabilities, older adults, and clients at risk of harming others and themselves. The text familiarizes readers with the field's key scholarly writings and, by examining emerging ethical issues, enables students to advance beyond their basic awareness and knowledge of the professional codes of ethics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Education is a positive construct which empowers people to make use of its potentialities in the best ways to achieve excellence. Research in this endeavour tries to resolve various problems related to education, educational process and educational advancements. Thereby, keeping education updated and advanced in turn preparing updated positive and constructive citizens of the society. Today an educated person is expected to be equipped with the most advanced knowledge, skills, humane values and digitalisation, including evaluation of existing policies and bringing out components & variables to be covered by forthcoming policies. Thus, research is positively correlated with the human and material development, ensuring humane and developed society. The strength of an institution is reflected by the researches undertaken by the members over there. It gives me immense pleasure to note that survey of research abstracts in Faculty of Education, Banaras Hindu University has been completed and ready for its publication in hard and soft mode. The present volume includes 256 abstracts since 1952, including most recent D.Litt. abstract in education. This survey no doubt presents a trend of researches understudy. These abstracts will certainly pave educational paths to solving recent educational issues. A commendable contribution has been done by the team of publication.

This will have a long-term impact on future researchers. Moreover, preservation of research knowledge, covering 33 identified educational areas and its dissemination were much needed and expected for the cause of quality research. I am sure, the volume will serve its qualitative purpose to researchers, teachers, administrators and policy-makers in India and abroad. We are grateful to Prof.D.P.Singh, Chairman, University Grants Commission, New Delhi (India) for writing foreword for this volume and motivating us. I convey my heartfelt gratitude to all the members of publication team for their concerted efforts in bringing out this precious volume. Date: 13th April, 2020 (Prof. R.P. Shukla) Banaras Hindu University Head and Dean Varanasi-10 Faculty of Education.

This book presents foundational robotics concepts using the ROBOTIS BIOLOID and OpenCM-904 robotic systems, and is suitable as a curriculum for a first course in robotics for undergraduate students or a self-learner. It covers wheel-based robots, as well as walking robots. Although it uses the standard "Sense, Think, Act" approach, communications (bot-to-bot and PC-to-bot) programming concepts are treated in more depth (wired and wireless ZigBee/Bluetooth). Algorithms are developed and described via ROBOTIS' proprietary RoboPlus IDE, as well as the more open Arduino-based Embedded C environments. Additionally, web-based multimedia materials are used for illustrating robotics concepts, code implementations and videos of actual resulting robot behaviors. Advanced sensor interfacing for gyroscope, inertial measuring unit, foot pressure sensor and color camera are also demonstrated.

Objects and materials are on the move like never before, often at astonishing speeds and along hidden routeways. This collection opens to social scientific scrutiny the various systems which move objects about the world, examining their fateful implications for many people and places. Offering texts from key thinkers, the book presents case studies from around the world which report on efforts to establish, maintain, disrupt or transform the cargo-mobility systems which have grown so dramatically in scale and significance in recent decades.

This book describes how evolutionary algorithms (EA), including genetic algorithms (GA) and particle swarm optimization (PSO) can be utilized for solving multi-objective optimization problems in the area of embedded and VLSI system design. Many complex engineering optimization problems can be modelled as multi-objective formulations. This book provides an introduction to multi-objective optimization using meta-heuristic algorithms, GA and PSO and how they can be applied to problems like hardware/software partitioning in embedded systems, circuit partitioning in VLSI, design of operational amplifiers in analog VLSI, design space exploration in high-level synthesis, delay fault testing in VLSI testing and scheduling in heterogeneous distributed systems. It is shown how, in each case, the various aspects of the EA, namely its representation and operators like crossover, mutation, etc, can be separately formulated to solve these problems. This book is intended for design engineers and researchers in the field of VLSI and embedded system design. The book introduces the multi-objective GA and PSO in a simple and easily understandable way that will appeal to introductory readers.

This book discusses the role of the prison in Europe across a divide of over 200 years. Inspired by the travels of the prison reformer John Howard (1726-1790), who visited prisons across Europe in the eighteenth century, it fundamentally reflects on centuries of the practice of locking people up as punishment. Howard travelled across Europe to visit prisons, with a simple method: he travelled and

knocked on prison doors on his journey and entered the premises. He then observed the situation in the prison, took notes and left to visit other locations. Howard's influential book *The State of the Prisons* resulted from his experiences, provoking debate among prison reformers and academics worldwide. Adopting the contemporary methods of prison tourism research, the author follows in Howard's footsteps. He draws on extensive research conducted in prisons across six countries: England, Norway, the Netherlands, France, Italy and Azerbaijan. Howard's reflections are used as a frame to assess contemporary prisons, particularly revolving around the questions of what prisons are for today, and what they should (or should not) be. It will be of great interest to criminologists researching prisons and penology, as well as historians interested in the histories of punishment.

Fundamentals of Critical Care A Textbook for Nursing and Healthcare Students In *Fundamentals of Critical Care*, a team of clinicians and health educators deliver an accessible, timely, and evidence-based introduction to the role of nurses and healthcare practitioners in critical care. The book explores fundamental concepts in critical care and their implications for practice. Each chapter outlines essential knowledge necessary to understand key concepts and includes high quality, full-colour artwork to enhance learning and recall. Readers are also provided with clinical scenarios, practice questions, and red and orange flags to indicate physiological and psychological alerts respectively. Covering a range of common and specialised disease processes and treatments requiring critical care, the book provides: A thorough introduction to the critical care unit, including philosophies of care, ways of working, humanisation, and outreach Comprehensive exploration of organisational influences, including political, local, national, and international influences Practical discussion of legal, ethical, and professional issues, as well as evidence-based approaches to critical care In-depth examination of nursing care assessment tools, nursing communication, cognition, pharmacology, and more Perfect for nursing students and trainee nursing associates, *Fundamentals of Critical Care: A Textbook for Nursing and Healthcare Students* will also earn a place in the libraries of healthcare students in physiotherapy, paramedicine, medicine, and those returning to practice. All content reviewed by students for students. If you would like to be one of our student reviewers, go to www.reviewnursingbooks.com to find out more. To receive automatic updates on Wiley books and journals, join our email list. Sign up today at www.wiley.com/email

An in-depth guide to each of the multiple approaches available for coding qualitative data. In total, 32 different approaches to coding are covered, ranging in complexity from beginner to advanced level and covering the full range of types of qualitative data from interview transcripts to field notes.

SUCCESS IN BUSINESS WITH MICROSOFT ACCESS 2013 prepares your students to solve business problems by moving beyond the basic point and click skills to think critically about realistic business situations. When students combine software analysis with their own decision making abilities, they are more likely meet any business challenge with success. The *Succeeding in Business Series* emphasizes problem-solving, critical thinking, and analysis - challenging students to find efficient and effective solutions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This indispensable sourcebook covers conceptual and practical issues in research design in the field of social and personality psychology. Key experts address specific methods and areas of research, contributing to a comprehensive overview of contemporary practice. This updated and expanded se-

cond edition offers current commentary on social and personality psychology, reflecting the rapid development of this dynamic area of research over the past decade. With the help of this up-to-date text, both seasoned and beginning social psychologists will be able to explore the various tools and methods available to them in their research as they craft experiments and imagine new methodological possibilities.

Research funders in the UK, USA and across Europe are implementing data management and sharing policies to maximize openness of data, transparency and accountability of the research they support. Written by experts from the UK Data Archive with over 20 years experience, this book gives post-graduate students, researchers and research support staff the data management skills required in today's changing research environment. The book features guidance on: how to plan your research using a data management checklist how to format and organize data how to store and transfer data research ethics and privacy in data sharing and intellectual property rights data strategies for collaborative research how to publish and cite data how to make use of other people's research data, illustrated with six real-life case studies of data use.

Similar to the way in which computer vision and computer graphics act as the dual fields that connect image processing in modern computer science, the field of image processing can be considered a crucial middle road between the vision and graphics fields. *Research Developments in Computer Vision and Image Processing: Methodologies and Applications* brings together various research methodologies and trends in emerging areas of application of computer vision and image processing. This book is useful for students, researchers, scientists, and engineers interested in the research developments of this rapidly growing field.

The UN-supported Principles for Responsible Investment initiative has led to around a third of the world's financial assets being managed with a commitment to invest in a way that considers environmental, social or governance (ESG) criteria. The responsible investment trend has increased dramatically since the global financial crisis, yet understanding of this field remains at an early stage. This handbook provides an atlas of current practice in the field of responsible investment. With a large global team of expert contributors, the book explores the impact of responsible investment on key financial actors ranging from mainstream asset managers to religious organizations. Offering students and researchers a comprehensive introduction to current scholarship and international structures in the expanding discipline of responsible investment, this handbook is vital reading across the fields of finance, economics and accounting.

This easy-to-read textbook/reference presents a comprehensive introduction to databases, opening with a concise history of databases and of data as an organisational asset. As relational database management systems are no longer the only database solution, the book takes a wider view of database technology, encompassing big data, NoSQL, object and object-relational and in-memory databases. The text also examines the issues of scalability, availability, performance and security encountered when building and running a database in the real world. Topics and features: presents review and discussion questions at the end of each chapter, in addition to skill-building, hands-on exercises; introduces the fundamental concepts and technologies in database systems, placing these in an historic context; describes the challenges faced by database professionals; reviews the use of a variety of database types in business environments; discusses areas for further research within this fast-moving domain.