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## The Foundation Programme

### The Medics' Practical Guide to Thriving and Surviving

Elsevier Health Sciences It is a practical, illustrated guide to the Foundation Programme, introduced throughout the UK to regulate and standardise the two-year training of newly qualified doctors. It provides specific information on how to apply for a Foundation post, the curriculum, assessment methods, and maintaining a portfolio, as well as reviewing the pros and cons of the various medical specialities which doctors can pursue after the Foundation years. The authors address issues of concern to all groups involved in the Foundation programme - trainees, trainers and senior doctors - and gives concrete examples of completed documentation and assessment. Helps UK and overseas doctors in choosing and applying for their Foundation Programme. Helps trainees and trainers understand the curriculum, the teaching and learning methods, and the use of the portfolio. Explains the various assessment procedures including the 'RITA' (Record of In-Training Assessment) and gives examples. Helps trainees manage their learning and pass their assessments. Informs trainers - including consultants and GPs - about the purpose of the Foundation Programme and how to use the less-familiar assessment tools.

## Human-Computer Interaction. User Experience and Behavior

### Thematic Area, HCI 2022, Held as Part of the 24th HCI International Conference, HCII 2022, Virtual Event, June 26 – July 1, 2022, Proceedings, Part III

Springer Nature The three-volume set LNCS 13302, 13303 and 13304 constitutes the refereed proceedings of the Human Computer Interaction thematic area of the 24th International Conference on Human-Computer Interaction, HCII 2022, which took place virtually in June-July 2022. The 132 papers included in this HCI 2022 proceedings were organized in topical sections as follows: Part I: Theoretical and Multidisciplinary Approaches in HCI; Design and Evaluation Methods, Techniques and Tools; Emotions and Design; and Children-Computer Interaction, Part II: Novel Interaction Devices, Methods and Techniques; Text, Speech and Image Processing in HCI; Emotion and Physiological Reactions Recognition; and Human-Robot Interaction, Part III: Design and User Experience Case Studies, Persuasive Design and Behavioral Change; and Interacting with Chatbots and Virtual Agents.

## Cellular Communications

### A Comprehensive and Practical Guide

John Wiley & Sons Even as newer cellular technologies and standards emerge, many of the fundamental principles and the components of the cellular network remain the same. Presenting a simple yet comprehensive view of cellular communications technologies, Cellular Communications provides an end-to-end perspective of cellular operations, ranging from physical layer details to call set-up and from the radio network to the core network. This self-contained source for practitioners and students represents a comprehensive survey of the fundamentals of cellular communications and the landscape of commercially deployed 2G and 3G technologies and provides a glimpse of emerging 4G technologies.

## Mobile Networks and Management

### Third International ICST Conference, MONAMI 2011, Aveiro, Portugal, September 21-23, 2011, Revised Selected Papers

Springer This book constitutes the thoroughly refereed post-conference proceedings of the Third International ICST Conference on Mobile Networks and Managements (MONAMI 2011) held in Aveiro, Portugal, in September 2011. The 30 revised full papers were carefully selected from numerous submissions and are organized thematically in 5 parts. These are mobile and wireless networks, self organized and mesh networks, new approaches for network visualization, network services, and security

## Understanding IPv6

Springer Science & Business Media Covers the basic materials and up-to-date information to understand IPv6, including site local address often overlooked by most other books about IPv6 do not reflect this important fact. Highlights Teredo, a transition tool that permits web sites using two different protocols to interact, with complete-chapter coverage.. Since popular applications such as web service can not be operated without DNS. Chapter 9 covers modifications in DNS for IPv6 which other books rarely cover. Other topics covered that make it a most up-to-date and valuable resource: hierarchical mobility management, fast handoff, and security features such as VPN traversal and firewall traversal.

## Clinical Psychomotor Skills (5-Point Bondy): Assessment Tools for Nurses

### 7th Edition

Cengage AU Clinical Psychomotor Skills: Assessment Tools for Nurses offers you a unique blend of solid theoretical knowledge, linking it to clinical practice. The combined theory and workbook text covers the key clinical skills and knowledge that you need and helps you to master provable competencies that fulfil the required standards. This edition uses the 3-point Bondy Assessment Scale. The inclusion to this edition of five additional skills, the latest evidence-based material from nursing and associated literature, and reflecting The Nursing and Midwifery Board of Australia's Registered Nurse Standards for Practice, make this the essential guide for students of registered nursing programs.

## Clinical Psychomotor Skills (3-Point): Assessment Tools for Nurses

Cengage AU **Clinical Psychomotor Skills: Assessment Tools for Nurses** offers a unique blend of solid theoretical knowledge, linking it to clinical practice. This text enables students and instructors to translate their skills and knowledge into provable competencies that fulfill the required standards.

## Service Design and Service Thinking in Healthcare and Hospital Management

### Theory, Concepts, Practice

Springer This book examines the nature of service design and service thinking in healthcare and hospital management. By adopting both a service-based provider perspective and a consumer-oriented perspective, the book highlights various healthcare services, methods and tools that are desirable for customers and effective for healthcare providers. In addition, readers will learn about new research directions, as well as strategies and innovations to develop service solutions that are affordable, sustainable, and consumer-oriented. Lastly, the book discusses policy options to improve the service delivery process and customer satisfaction in the healthcare and hospital sector. The contributors cover various aspects and fields of application of service design and service thinking, including service design processes, tools and methods; service blueprints and service delivery; creation and implementation of services; interaction design and user experience; design of service touchpoints and service interfaces; service excellence and service innovation. The book will appeal to all scholars and practitioners in the hospital and healthcare sector who are interested in organizational development, service business model innovation, customer involvement and perceptions, and service experience.

## Mobile Inter-networking with IPv6

### Concepts, Principles and Practices

John Wiley & Sons **A comprehensive reference on understanding, designing, and implementing IP Mobility** This authoritative reference provides readers with a thorough understanding of IP Mobility using Mobile IPv6 and companion advanced mobility protocols including network mobility and fast handovers. It illustrates basic concepts and principles behind the IP Mobility architecture and covers the practices using detailed protocol description. Of particular importance is how mobile networking will support billions of devices without restricting applications or overburdening network infrastructures, and how it will support the movement of users from network to network without compromising security. Authors Koodli and Perkins investigate how IP mobility is used in practice and the adoption of Mobile IPv6 in CDMA cellular systems. They also cover some experimental work, including performance of VoIP handovers over WLAN, multi-access network handovers, and emerging topics such as location privacy. In five parts, Mobile Inter-networking with IPv6 covers: Features of IPv6 and IP security Mobility concepts and principles, Mobile IPv6 protocol, packet handling, and network mobility Advanced mobility protocols, including fast handovers, fast handover protocol, context transfers, and hierarchical mobility management Applying IP mobility, including Mobile IPv6 in CDMA packet data networks, enterprise mobile networking, and WLAN fast handovers Emerging topics such as multi-access and mobility, seamless IP handovers, location privacy and IP mobility, and route optimization for Mobile IPv4 using Mobile IPv6 return routability With chapter exercises and handy references, readers will have plenty of opportunities to pursue topics in further detail. This is a comprehensive reference suitable for practitioners and students with a basic understanding of TCP/IP protocols.

## Advances in Robot Navigation

BoD - Books on Demand **Robot navigation includes different interrelated activities such as perception - obtaining and interpreting sensory information; exploration - the strategy that guides the robot to select the next direction to go; mapping - the construction of a spatial representation by using the sensory information perceived; localization - the strategy to estimate the robot position within the spatial map; path planning - the strategy to find a path towards a goal location being optimal or not; and path execution, where motor actions**

are determined and adapted to environmental changes. This book integrates results from the research work of authors all over the world, addressing the abovementioned activities and analyzing the critical implications of dealing with dynamic environments. Different solutions providing adaptive navigation are taken from nature inspiration, and diverse applications are described in the context of an important field of study: social robotics.

## Mastering IT Project Management

### Best Practices, Tools and Techniques

J. Ross Publishing In previous years, setting up IT infrastructure involved just the preparation of the data center. It has become much more complex and evolved today. The infrastructure includes not only the data center facility, but also the entire organization by providing internet connectivity to customers, vendors, and company executives on the move. Mastering IT Project Management is the first book to detail how to create IT infrastructure rather than simply describe how to manage the IT function or software development. This unique and comprehensive reference covers all aspects needed to successfully manage this type of project in an organization. J. Ross Publishing offers an add-on at a nominal cost – Downloadable, customizable tools and templates ready for immediate implementation.

## Emerging Wireless LANs, Wireless PANs, and Wireless MANs

### IEEE 802.11, IEEE 802.15, 802.16 Wireless Standard Family

John Wiley & Sons A thoroughly up-to-date resource on IEEE 802 wireless standards Readers can turn to this book for complete coverage of the current and emerging IEEE 802 wireless standards/drafts, including: 802.11 Wireless LANs 802.15.1 Bluetooth and 801.15.2 802.15.3 Wireless PANs 802.15.4 and 802.15.5 Wireless PANs 802.16 Wireless MANs Emerging Wireless LANs, Wireless PANs, and Wireless MANs is a unique, convenient resource for engineers, scientists, and researchers in academia and industry. It also serves as a valuable textbook for related courses at the upper-undergraduate and graduate levels.

## Multiple Access Protocols for Mobile Communications

### GPRS, UMTS and Beyond

John Wiley & Sons A comprehensive discussion of multiple access protocols for cellular systems and the consideration of the specific constraints and capabilities of second and third generation systems regarding the multiple access protocols. Beginning by introducing the cellular concept and discussing second and third generation cellular communication systems, including the evolution from these systems to IP-based systems, the authors then identify the requirements for and problems related to multiple access. In accordance with ETSI and 3GPP standards, a split is made into basic multiple access schemes such as CDMA, TDMA and FDMA and multiple access protocols. The pros and cons of CDMA and TDMA for third generation systems are discussed as well as medium access in GSM, GPRS and UMTS, essentially based on R-ALOHA protocols in all these systems. Data access delay and voice dropping performance is assessed and the different UTRA modes are considered. \* Provides an accessible text for individuals with little prior knowledge of cellular communication systems or multiple access protocols \* Provides an overview of existing material on cellular communications, multiple access protocols and a combination of the two \* Presents extensive research carried out by the authors including extended packet reservation multiple access protocols for TDMA, CDMA and hybrid CDMA/TDMA air interfaces, protocol enhancements and modelling of the physical layer A valuable reference resource for researchers and engineers in the field of cellular communications and packet-based communications, as well as postgraduate and research students in this rapidly evolving field.

## Hand Over the Global Empires and the World Goes Free - 2012 Social Engineering Business Plan

[Lulu.com](http://Lulu.com)

## Information Networking Advances in Data Communications and Wireless Networks International Conference, ICOIN 2006, Sendai, Japan, January 16-19, 2006, Revised Selected Papers

[Springer](http://Springer) This book constitutes the thoroughly refereed post-proceedings of the International Conference on Information Networking, ICOIN 2006 held in Sendai, Japan in January 2006. The 98 revised full papers presented were carefully selected and improved during two rounds of reviewing and revision from a total of 468 submissions.

## Smart Spaces and Next Generation Wired/Wireless Networking

## 11th International Conference, NEW2AN 2011 and 4th Conference on Smart Spaces, RuSMART 2011, St. Petersburg, Russia, August 22-15, 2011, Proceedings

[Springer Science & Business Media](http://Springer Science & Business Media) This book constitutes the refereed proceedings of the 11th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking, NEW2AN 2011 and the 4th Conference on Smart Spaces, ruSMART 2011 jointly held in St. Petersburg, Russia, in August 2011. The 56 revised full papers presented were carefully reviewed and selected from numerous submissions. The ruSMART papers are organized in topical sections on role of context in smart spaces, smart spaces platforms and smart-M3, methods for studying smart spaces, and smart spaces solutions. The NEW2AN papers are organized in topical sections on wireless PHY and power control, ad hoc networks, WSN, special topics, simulation + fundamental analysis I, traffic modeling and measurement, simulation + fundamental analysis II, network performance and QoS, cooperative, P2P, overlay networks and content, applications and services, API and software, and video.

## Commerce Business Daily

## Distributed Computing – IWDC 2005

## 7th International Workshop, Kharagpur, India, December 27-30, 2005, Proceedings

[Springer](http://Springer) This book constitutes the refereed proceedings of the 7th International Workshop on Distributed Computing, IWDC 2004, held in Kharagpur, India in December 2005. The 28 revised full papers and 33 revised short papers presented together with 5 invited keynote talks were carefully reviewed and selected from 253 submissions. The papers are organized in topical sections on theory of distributed computing, sensor networks, fault tolerance, optical networks, peer-to-peer networks, wireless networks, network security,

grid and networks, middleware and data management, mobility management, and distributed artificial intelligence.

## Radio Access Networks for UMTS

### Principles and Practice

**John Wiley & Sons** This book provides a comprehensive description of Radio Access Networks for UMTS . The main content is based upon the release 6 version of the 3GPP specifications. Changes since the release 99 version are described while some of the new features from the release 7 version are introduced. Starting from the high-level network architecture, the first sections describe the flow of data between the network and end-user. This includes a dedicated chapter describing the Iub transport network. Detailed descriptions of both HSDPA and HSUPA reflect the increasing importance of efficient high data rate connections. Signalling procedures are described for speech, video and PS data connection establishment, SMS data transfer, soft handover and inter-system handover. The more practical subjects of link budgets and radio network planning are also addressed. More than 180 example log files reinforce the reader's understanding Summary bullet points allow rapid access to the most important information Focus upon how data is transferred between the network and end-user Dedicated chapters provide detailed descriptions of both HSDPA and HSUPA Step-by-step analysis of common signalling procedures Key radio network planning subjects addressed Radio Access Networks for UMTS is ideal for mobile telecommunications engineers working for equipment vendors, operators and regulators. It will also appeal to system designers, technical managers and students.

## Towards 4G Technologies

### Services with Initiative

**John Wiley & Sons** Find out how the exciting new developments towards 4G mobile services and technologies will put the user at centre stage. Towards 4G Technologies provides a comprehensive explanation of future networking and service delivering technologies for next generation mobile systems. The authors explain how personalization, mobile middleware, peer-to-peer services, semantic computing, and content-awareness fit into this new concept and why they will become a necessity for future mobile services. The book presents the latest challenges and opportunities of Next Generation Mobile Systems, explaining new paradigms of service provisioning that include flexible and adaptable services. Towards 4G Technologies: Gives a comprehensive description of future networking and service delivering technologies. Covers hot topics such as intelligent user profiling, proactive service selection, context-aware service provisioning and ubiquitous computing. Introduces seemingly diverse technologies to show how they will play together to create a new user experience. Includes case studies to illustrate the theory. This invaluable guide will provide telecoms engineers in R&D departments, CTOs, and telecoms managers as well as academic researchers in electrical, electronic engineering and telecommunications with a comprehensive understanding of next generation mobile system technologies and services.

## The Clinical Placement

### An Essential Guide for Nursing Students

**Elsevier Health Sciences** The Clinical Placement: An Essential Guide for Nursing Students 2e is a unique text designed to guide nursing students throughout their clinical placement journey. The text introduces foundational knowledge in early chapters while later chapters address more complex issues and are deliberately designed to challenge and inspire students to excel. The book is premised on the belief that the ultimate goal of clinical education is the development of nurses who are confident and competent beginning practitioners. The book's interactive style and 'plain English' language will engage with active readers and encourage them to integrate the material into their practice. It will cause students to think deeply and critically about important professional and clinical issues. . Stories and scenarios help students relate theory to the reality of practice . 'Something to think about ' boxes provide words of wisdom and a wealth of valuable advice . 'Student experience' sections allow the voice of students to be clearly heard . Reflective thinking

activities encourage self-assessment and experiential learning The first edition of this book has proven to be valuable in assisting nursing students to use their clinical placements as opportunities to develop the skills, knowledge and understandings that underpin quality practice, and to appreciate the clinical environment for the wonderful learning experience that it provides. The second edition has a new and fresh appeal. Much of the original has been revised but a number of new sections have also been added to address contemporary issues such as patient safety, clinical reasoning, therapeutic communication, interprofessional communication, clinical handover, emotional intelligence, information and communication technology, and social networking. The new edition builds on the strengths of the text by including issues of relevance to the New Zealand health care context. The new edition also discusses topical issues such as national registration and refers to the most recent professional standards and codes of practice. There is greater attention to cultural safety and a new section on Indigenous health. Chapter 6 has been expanded with a number of new clinical specialties profiled, for example: . Drug and alcohol nursing . Emergency nursing . International nursing

## Professional Nursing and Midwifery Practice [Custom Edition for Monash University]

Elsevier Health Sciences This custom book was compiled by the School of Nursing and Midwifery at Monash University for undergraduate nursing students undertaking NUR1110, NUR1111 and NUR1113. It includes handpicked content from the following bestselling nursing titles: Communication: Core Interpersonal Skills for Health Professionals, 3rd Edition Psychology for Health Professionals, 2nd Edition Patient and Person: Interpersonal Skills in Nursing, 5th Edition The Clinical Placement: An essential guide for nursing students, 3rd Edition Potter and Perry's Fundamentals of Nursing - ANZ, 5th Edition Contexts of Nursing: An Introduction, 4th Edition Introduction to Public Health, 3rd Edition Essentials of Law for Health Professionals, 4th Edition

## Alcatel Telecommunications Review

## Networking -- ICN 2005

## 4th International Conference on Networking, Reunion Island, France, April 17-21, 2005, Proceedings

Springer Science & Business Media The two-volume set LNCS 3420/3421 constitutes the refereed proceedings of the 4th International Conference on Networking, ICN 2005, held in Reunion Island, France in April 2005. The 238 revised full papers presented were carefully reviewed and selected from 651 submissions. The papers are organized in topical sections on grid computing, optical networks, wireless networks, QoS, WPAN, sensor networks, traffic control, communication architectures, audio and video communications, differentiated services, switching, streaming, MIMO, MPLS, ad-hoc networks, TCP, routing, signal processing, mobility, performance, peer-to-peer networks, network security, CDMA, network anomaly detection, multicast, 802.11 networks, and emergency, disaster, and resiliency.

## Sustainability in Energy and Buildings

## Proceedings of the 4th International Conference in Sustainability in Energy and

## Buildings (SEB'12)

[Springer Science & Business Media](#) This volume contains the proceedings of the Fourth International Conference on Sustainability in Energy and Buildings, SEB12, held in Stockholm, Sweden, and is organized by KTH Royal Institute of Technology, Stockholm, Sweden in partnership with KES International. The International Conference on Sustainability in Energy and Buildings focuses on a broad range of topics relating to sustainability in buildings but also encompassing energy sustainability more widely. Following the success of earlier events in the series, the 2012 conference includes the themes Sustainability, Energy, and Buildings and Information and Communication Technology, ICT. The SEB'12 proceedings include invited participation and paper submissions across a broad range of renewable energy and sustainability-related topics relevant to the main theme of Sustainability in Energy and Buildings. Applicable areas include technology for renewable energy and sustainability in the built environment, optimization and modeling techniques, information and communication technology usage, behavior and practice, including applications.

## UMTS Performance Measurement

### A Practical Guide to KPIs for the UTRAN Environment

[John Wiley & Sons](#) UMTS Performance Measurement is a practical guide that explains how to identify and measure the main problems seen in today's UMTS live networks and will make performance measurement results gathered in the UTRAN environment understandable for the reader. It provides a fundamental background for daily work in the field or lab, covering a wide range of performance measurements that help to troubleshoot and optimize the UTRAN environment. The content goes far beyond what has been defined by international standard bodies like 3GPP and closes the gap between international standards and definitions of network equipment manufacturers (NEM) and network operators. The emphasis is on definition of Key Performance Indicators (KPIs) and measurements that are not described in 3GPP standard documents, such as throughput measurements and the success/failure analysis of all possible handover types. Includes clear coverage of the fundamentals of performance measurement software architecture and ways to collect and present statistical data Contains numerous call flow diagrams, conversion tables, protocol message examples and sample measurement results that can be used as reference for daily work in the field or lab Explains measurement limitations and how tolerances provide valuable information for validation and evaluation of measurement results Provides an overview of how performance measurement software works as well as information on how data streams are captured and analyzed, and how analysis results are aggregated and presented in graphic user interfaces and reports Providing a gateway into the world of UMTS-specific measurement scenarios and a general overview of what can be defined and measured at an in-depth technical level, this book will appeal to those involved in network operation, planning, configuration and deployment, as well as consulting and training companies, students, technical journalists and measurement equipment manufacturers.

### A Practical Guide to Crew Resource Management for Healthcare Teams

[Cambridge Scholars Publishing](#) This book will help the reader's team when confronted with complex, error-prone or ambiguous situations by providing concrete steps based on evidence and best practices in the application of Crew Resource Management (CRM) skills. The reader will learn how to determine the situation, communicate clearly and concisely, feel safe to ask questions and be assertive when safety is an issue, and to support each other in preventing, avoiding or mitigating errors and threats. They will learn how to develop a CRM-embedded plan and briefing, as well as how to debrief their actions to constantly improve.

## Data-Driven Design and Construction

## 25 Strategies for Capturing, Analyzing and Applying Building Data

John Wiley & Sons “In this comprehensive book, Professor Randy Deutsch has unlocked and laid bare the twenty-first century codice nascosto of architecture. It is data. Big data. Data as driver. . .This book offers us the chance to become informed and knowledgeable pursuers of data and the opportunities it offers to making architecture a wonderful, useful, and smart art form.” —From the Foreword by James Timberlake, FAIA Written for architects, engineers, contractors, owners, and educators, and based on today’s technology and practices, **Data-Driven Design and Construction: 25 Strategies for Capturing, Applying and Analyzing Building Data** addresses how innovative individuals and firms are using data to remain competitive while advancing their practices. seeks to address and rectify a gap in our learning, by explaining to architects, engineers, contractors and owners—and students of these fields—how to acquire and use data to make more informed decisions. documents how data-driven design is the new frontier of the convergence between BIM and architectural computational analyses and associated tools. is a book of adaptable strategies you and your organization can apply today to make the most of the data you have at your fingertips. **Data-Driven Design and Construction** was written to help design practitioners and their project teams make better use of BIM, and leverage data throughout the building lifecycle.

## Communicating Conflict

## Multilingual Case Studies of the News Media

A&C Black **Communicating Conflict** brings together a collection of multilingual case studies drawn from the international media. The contributors use methodologies drawn from **Critical Discourse Analysis** and **Systemic Functional Linguistics** to explore how these texts overtly or covertly advance particular value positions and world views. They pay particular attention to how the reader is positioned with respect to the events being described, and, using appraisal theory, the various voices which are referenced by the text.

## WCDMA for UMTS

## Radio Access for Third Generation Mobile Communications

John Wiley & Sons Highly regarded as the book on the air interface of 3G cellular systems **WCDMA for UMTS** has again been fully revised and updated. The third edition now covers the key features of 3GPP Release 6 ensuring it remains the leading principal resource in this constantly progressing area. By providing a deep understanding of the WCDMA air interface, the practical approach of this third edition will continue to appeal to operators, network and terminal manufacturers, service providers, university students and frequency regulators. Explains the key parts of the 3GPP/WCDMA standard Presents network dimensioning, coverage and capacity of WCDMA Introduces TDD and discusses its differences from FDD Key third edition updates include: Covers the main 3GPP Release 6 updates Further enhances High Speed Downlink Packet Access (HSDPA) chapter with a number of new simulation results Explains High Speed Uplink Packet Access (HSUPA) study item Introduces the new services including their performance analysis : Push-to-Talk over Cellular (PoC), streaming, See What I See (SWIS) and multiplayer games Presents a number of new WCDMA field measurement results: capacity, end-to-end performance and handovers Includes completely updated antenna beamforming and multiuser detection sections featuring new simulation results Introduces TD-SCDMA and compares it to Release TDD

## Bilateral Diplomacy

Diplo Foundation

# AAA and Network Security for Mobile Access

## Radius, Diameter, EAP, PKI and IP Mobility

**John Wiley & Sons AAA (Authentication, Authorization, Accounting)** describes a framework for intelligently controlling access to network resources, enforcing policies, and providing the information necessary to bill for services. AAA and Network Security for Mobile Access is an invaluable guide to the AAA concepts and framework, including its protocols Diameter and Radius. The authors give an overview of established and emerging standards for the provision of secure network access for mobile users while providing the basic design concepts and motivations. AAA and Network Security for Mobile Access: Covers trust, i.e., authentication and security key management for fixed and mobile users, and various approaches to trust establishment. Discusses public key infrastructures and provides practical tips on certificates management. Introduces Diameter, a state-of-the-art AAA protocol designed to meet today's reliability, security and robustness requirements, and examines Diameter-Mobile IP interactions. Explains RADIUS (Remote Authentication Dial-In User Services) and its latest extensions. Details EAP (Extensible Authentication Protocol) in-depth, giving a protocol overview, and covering EAP-XXX authentication methods as well as use of EAP in 802 networks. Describes IP mobility protocols including IP level mobility management, its security and optimizations, and latest IETF seamless mobility protocols. Includes a chapter describing the details of Mobile IP and AAA interaction, illustrating Diameter Mobile IP applications and the process used in CDMA2000. Contains a section on security and AAA issues to support roaming, discussing a variety of options for operator co-existence, including an overview of Liberty Alliance. This text will provide researchers in academia and industry, network security engineers, managers, developers and planners, as well as graduate students, with an accessible explanation of the standards fundamental to secure mobile access.

## Nurse Anesthesia - E-Book

**Elsevier Health Sciences Take your understanding to a whole new level with Pageburst digital books on VitalSource! Easy-to-use, interactive features let you make highlights, share notes, run instant topic searches, and so much more. Best of all, with Pageburst, you get flexible online, offline, and mobile access to all your digital books. Written specifically for nurse anesthetists, Nurse Anesthesia, 5th Edition provides comprehensive coverage of both scientific principles and evidence-based practice. It offers a complete overview of anatomy, physiology, pharmacology, and pathophysiology, and offers practical coverage of equipment and anesthesia management. This edition includes updated information on pharmacokinetics, clinical monitoring, drug delivery systems, and complications, and revises chapters on airway management and anesthesia for cardiac surgery. Written by leading nurse anesthesia experts John Nagelhout and Karen Plaus, this perennial bestseller prepares anesthesia students and CRNAs for today's clinical anesthesia practice. Over 650 figures of anatomy, nurse anesthesia procedures, and equipment depict complex concepts and information. An easy-to-use organization covers basic principles first, and builds on those with individual chapters for each surgical specialty. UPDATED references make it quick and simple to find the latest and most important research in the field. Over 700 tables and boxes highlight the most essential information in a quick, easy-to-reference format. Expert CRNA authors provide the current clinical information you'll use in daily practice. UPDATED pharmacology information includes pharmacokinetics, drug delivery systems, opiate antagonists, and key induction drugs. Over 100 NEW photos and illustrations enhance your understanding of difficult anesthesia concepts. UPDATED Airway Management and Anesthesia for Cardiac Surgery chapters are thoroughly revised. NEW coverage includes robotics, screening applications, and non-operating room best practices.**

## Construction Methods and Planning

**CRC Press This new edition of John Illingworth's popular book provides a thorough introduction to the selection of construction methods, their planning and organization on site. Thoroughly revised and updated, Construction Methods and Planning takes a practical, down-to-earth approach and features numerous examples and illustrations taken from real situations and sites. In Part One, the main factors which determine the planning of construction methods - site inspections, the site itself, temporary works, design, cost concepts and selection of plant and methods - are discussed. In Part Two, the application of these tools is presented, covering foundations and basements, in situ and precast concrete structures, steel frames, cladding, internal and external works, waste, methods statements, contract planning control and claims. The author provides an extension of the concept of 'buildability' and new chapters on facade retention and the refurbishment of domestic accommodation.**

## Handbook of Human Factors and Ergonomics in Health Care and Patient Safety, Second Edition

**CRC Press** The first edition of *Handbook of Human Factors and Ergonomics in Health Care and Patient Safety* took the medical and ergonomics communities by storm with in-depth coverage of human factors and ergonomics research, concepts, theories, models, methods, and interventions and how they can be applied in health care. Other books focus on particular human factors and ergonomics issues such as human error or design of medical devices or a specific application such as emergency medicine. This book draws on both areas to provide a compendium of human factors and ergonomics issues relevant to health care and patient safety. The second edition takes a more practical approach with coverage of methods, interventions, and applications and a greater range of domains such as medication safety, surgery, anesthesia, and infection prevention. New topics include: work schedules error recovery telemedicine workflow analysis simulation health information technology development and design patient safety management Reflecting developments and advances in the five years since the first edition, the book explores medical technology and telemedicine and puts a special emphasis on the contributions of human factors and ergonomics to the improvement of patient safety and quality of care. In order to take patient safety to the next level, collaboration between human factors professionals and health care providers must occur. This book brings both groups closer to achieving that goal.

## Software Engineering and Computer Systems, Part III

## Second International Conference, ICSECS 2011, Kuantan, Pahang, Malaysia, June 27-29, 2011, Proceedings, Part III

**Springer** This Three-Volume-Set constitutes the refereed proceedings of the Second International Conference on Software Engineering and Computer Systems, ICSECS 2011, held in Kuantan, Malaysia, in June 2011. The 190 revised full papers presented together with invited papers in the three volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on software engineering; network; bioinformatics and e-health; biometrics technologies; Web engineering; neural network; parallel and distributed; e-learning; ontology; image processing; information and data management; engineering; software security; graphics and multimedia; databases; algorithms; signal processing; software design/testing; e- technology; ad hoc networks; social networks; software process modeling; miscellaneous topics in software engineering and computer systems.

## The Practice of Case Management

## Effective strategies for positive outcomes

**Routledge** Case management is used across a diverse range of organisational settings, from child protection to aged care; disability services; acute and community health; courts and correctional services; employment services; veteran services; education; and immigration programs. However, case management is not always successfully implemented, and practitioners often feel they are not given sufficient support. The *Practice of Case Management* draws on extensive practice research to identify the key characteristics of successful case management: organisational support; developing delivery models to suit individual client needs; preparation of staff at all levels; and affirmation of the central and active role of the client. The authors outline the challenges and complexities faced by case managers, acknowledging that their role is often poorly conceptualised and articulated. They demonstrate that true engagement enables effective service provision and offer practical strategies for everyone involved in the case management process to facilitate negotiation, accountability and the achievement of positive outcomes.

# Global Advancements in Connected and Intelligent Mobility: Emerging Research and Opportunities

## Emerging Research and Opportunities

**IGI Global** Vehicle accidents on the roads and highways occur every minute of every day, most often resulting in a loss of life or property damage. With advancing technology, vehicle infrastructure integration can increase road safety and transport efficiency through wireless sensor communications and other systems. These recent developments can bring inestimable economic value and will play a role in the next generation of vehicle products and traffic safety. **Global Advancements in Connected and Intelligent Mobility: Emerging Research and Opportunities** is an essential reference source that discusses the recent advances, safety, and efficiency in connected vehicles, as well as the next generation of communication network development. Featuring research on topics such as vehicular networks, telematics, and context-aware intelligence, this book is ideally designed for policymakers, traffic safety specialists, traffic control technicians, auto technicians, planning agencies, environmental managers, standardization governors, academicians, students, researchers, and industry practitioners seeking coverage on intelligent transportation systems.

## Computational Science - ICCS 2006

### 6th International Conference, Reading, UK, May 28-31, 2006, Proceedings

**Springer Science & Business Media** The four-volume set LNCS 3991-3994 constitutes the refereed proceedings of the 6th International Conference on Computational Science, ICCS 2006, held in Reading, UK, in May 2006. The main conference and its 32 topical workshops attracted over 1400 submissions. The 98 revised full papers and 29 revised poster papers of the main track presented together with 500 accepted workshop papers were carefully reviewed and selected for inclusion in the four volumes. The papers span the whole range of computational science, with focus on the following major themes: tackling grand challenges problems; modelling and simulations of complex systems; scalable algorithms and tools and environments for computational science. Of particular interest were the following major recent developments in novel methods and modelling of complex systems for diverse areas of science, scalable scientific algorithms, advanced software tools, computational grids, advanced numerical methods, and novel application areas where the above novel models, algorithms and tools can be efficiently applied such as physical systems, computational and systems biology, environmental systems, finance, and others.

## Building Information Modeling

### Technology Foundations and Industry Practice

**Springer** Building Information Modeling (BIM) refers to the consistent and continuous use of digital information throughout the entire lifecycle of a built facility, including its design, construction and operation. In order to exploit BIM methods to their full potential, a fundamental grasp of their key principles and applications is essential. Accordingly, this book combines discussions of theoretical foundations with reports from the industry on currently applied best practices. The book's content is divided into six parts: Part I discusses the technological basics of BIM and addresses computational methods for the geometric and semantic modeling of buildings, as well as methods for process modeling. Next, Part II covers the important aspect of the interoperability of BIM software products and describes in detail the standardized data format Industry Foundation Classes. It presents the different classification systems, discusses the data format CityGML for describing 3D city models and COBie for handing over data to clients, and also provides an overview of BIM programming tools and interfaces. Part III is dedicated to the philosophy, organization and technical implementation of BIM-based collaboration, and discusses the impact on legal issues including construction contracts. In turn, Part IV covers a wide range of BIM use cases in the different lifecycle phases of a built facility, including the use of BIM for design

coordination, structural analysis, energy analysis, code compliance checking, quantity take-off, prefabrication, progress monitoring and operation. In Part V, a number of design and construction companies report on the current state of BIM adoption in connection with actual BIM projects, and discuss the approach pursued for the shift toward BIM, including the hurdles taken. Lastly, Part VI summarizes the book's content and provides an outlook on future developments. The book was written both for professionals using or programming such tools, and for students in Architecture and Construction Engineering programs.