Advise Adaptive Video Streaming Evaluation Itec

Intelligent Image and Video Compression: Communicating Pictures, Second Edition explains the requirements, analysis, design and application of a modern video coding system. It draws on the authors' extensive academic and professional experience in this field to deliver a text that is algorithmically rigorous yet accessible, relevant to modern standards and practical. It builds on a thorough grounding in mathematical foundations and visual perception to demonstrate how modern image and video compression methods can be designed to meet the rate-quality performance levels demanded by today's applications and users, in the context of prevailing network constraints. An approach that combines algorithmic rigor with practical implementation using numerous worked examples Explains how video compression methods exploit statistical redundancies, natural correlations, and knowledge of human perception to improve performance Uses contemporary video coding standards (AVC, HEVC and VVC) as a vehicle for explaining block-based compression Provides broad coverage of important topics such as visual quality assessment and video streaming

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Wireless applications are definitely the next big thing in communications. Millions of people around the world use the Internet every day - to stay in touch with remote locations, follow the stock market, keep up with the news, check the weather, make travel plans, conduct business, shop, entertain themselves, and learn. The logical next step is the development of the wireless Internet, where cell phones, PDAs, and laptops let us receive and send e-mails, and perform all the activities that we are currently performing over the wireline Internet. Filled with contributions from international experts, Wireless Internet Handbook: Technologies, Standards, and Applications describes basic concepts, current developments, and future trends in designing modern architectures. The book covers: Wireless local access techniques to the mobile Internet User mobility in IP networks Multimedia streaming over wireless Internet Quality of service issues Location management techniques and clustering architectures Wireless Internet security issues Bluetooth, CDMA, TDMA, Wireless Application Protocol, 802.11x, and more Different mobile and wireless Internet services Wireless Internet enterprise applications Mobile multimedia and graphics applications Mobile video telephony Wireless video surveillance Wireless applications in medicine The scope of the information covered and the expertise of leading researchers and industry professionals combine to make Wireless Internet Handbook: Technologies, Standards, and Applications the definitive resource on current and future trends in designing modern architectures for the wireless Internet.

Silverlight Recipes: A Problem-Solution Approach, Second Edition is your practical companion to developing rich, interactive web applications with Microsoft's latest technology. This book tackles common problems and scenarios that on-the-job developers face every day by revealing code and detailed solutions. You'll quickly be able to integrate real-world, functioning code into your applications—and save hours of coding time. The recipes included in Silverlight Recipes have been carefully selected and tested with the professional developer in mind. You'll find problems stated clearly and succinctly, artful solutions explored, and ample discussion of the code and context so you're immediately clear how the solution will support your project. You'll also discover the innovations presented in Silverlight 4 and how to effectively employ them. Enjoy practical coverage of Silverlight development in many projects and contexts, including: Designing complete, rich, interactive user experiences Manipulating content and the runtime environment through the Silverlight Plug-in Runtime API Consuming, transforming, and displaying content in your Silverlight web application through XML, LINQ-based data access, and isolated storage Building custom controls for your Silverlight project Integrating rich media, including audio and video, to create a very dynamic user interface and experience Using new Silverlight features, including .NET Framework integration, the use of dynamic languages like Python and Ruby in Silverlight development, and digital rights management support Find instant solutions, comprehensive Silverlight coverage, and time-saving expert advice, all in one book.

This timely new book provides an excellent foundation in the techniques of sound design production for the interactive arts. Coverage ranges from basic acoustics and digital audio theory to creating, mixing, and implementing sound and music in such interactive spaces as Web sites, games, and virtual worlds. Readers are introduced to the essentials of recording and reproduction, the key strategies for successful sound design, and the musical and psychological aspects of sound. The practical and theoretical knowledge presented in this book facilitates the important transition from the techniques of linear sound design used in film and video to the non-linear sound design techniques associated with adaptive audio spaces.

The Oxford Handbook of Talent Management offers academic researchers, advanced postgraduate students, and reflective practitioners a state-of-the-art overview of the key themes, topics, and debates in talent management. The Handbook is designed with a multi-disciplinary perspective in mind and draws upon perspectives from, inter alia, human resource management, psychology, and strategy to chart the topography of the area of talent management and to establish the base of knowledge in the field. Furthermore, each chapter concludes by identifying key gaps in our understanding of the area of focus. The Handbook is ambitious in its scope, with 28 chapters structured around five sections. These include the context of talent management, talent and performance, talent teams and networks, managing talent flows, and contemporary issues in talent management. Each chapter is written by a leading international scholar in the area and thus the volume represents the authoritative reference for anyone working in the area of talent management.

An analysis of broadband European networks and multimedia services. It covers: ATM in the access networks; network interconnection; multimedia communications; and multimedia quality of service.

This book constitutes the refereed proceedings of the 6th IFIP WG 6.6 International Conference on Autonomous Infrastructure, Management, and Security, AIMS 2012, held in Luxembourg in June 2012. The 10 full papers presented were carefully reviewed and selected from 23 submissions. They cover autonomic and distributed management, network security, network monitoring, and special environments and Internet of Things. In addition, this book contains 9 workshop papers which were selected from 18 submissions. They deal with high-speed networks and network management, intrusion detection, and network monitoring and security.

Ever-evolving technological innovation creates both opportunities and challenges for educators aiming to achieve meaningful and effective learning in the classroom and to equip students with a well-honed set of technology skills as they enter the professional world. The Handbook of Teaching with Technology in Management, Leadership, and Business is written by experienced instructors using technology in novel and impactful ways in their undergraduate and graduate courses, as well as researchers reporting and reflecting on studies and literature that can guide them on the how and why of teaching with technology.

"The content in 1Approaches to Urban Slums2 builds on an extensive body of knowledge that has been accumulated over the last 30 years, and is drawn from a diverse range of sources. We hope that by distilling the key lessons and their implications for future work in this area the multimedia sourcebook will serve as a platform for effective capacity building and learning that will be particullarly useful to policy makers, practitioners, planning institutions, community groups, NGOs, universities and students."--Site de la Banque mondiale.

The most trustworthy source of information available today on savings and investments, taxes, money management, home ownership and many other personal finance topics.

This comprehensive text covers the entire field of human resource development, from orientation and skills training, to career and organizational development. It shows how concepts and theory have been put into practice in a variety of organizations. This sixth edition of HUMAN RESOURCE DEVELOPMENT reflects the current state of the field, blending real-world practices and up-to-date research. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The #1 selling Wi-Fi networking reference guide in the world The CWNA: Certified Wireless Network Administrator Study Guide is the ultimate preparation resource for the CWNA exam. Fully updated to align with the latest version of the exam, this book features expert coverage of all exam objectives to help you pass the exam. But passing the exam is just a first step. For over 16 years, the CWNA Study Guide has helped individuals jump-start their wireless networking careers. Wireless networking professionals across the globe use this book as their workplace reference guide for enterprise Wi-Fi technology. Owning this book provides you with a foundation of knowledge for important Wi-Fi networking topics, including: Radio frequency (RF) fundamentals 802.11 MAC and medium access Wireless LAN topologies and architecture WLAN design, troubleshooting and validation Wi-Fi networking security The book authors have over 40 years of combined Wi-Fi networking expertise and provide real-world insights that you can leverage in your wireless networking career. Each of the book's 20 chapters breaks down complex topics into easy to understand nuggets of useful information. Each chapter has review questions that help you gauge your progress along the way. Additionally, hands-on exercises allow you to practice applying CWNA concepts to real-world scenarios. You also get a year of free access to the Sybex online interactive learning environment, which features additional resources and study aids, including bonus practice exam questions. The CWNA certification is a de facto standard for anyone working with wireless technology. It shows employers that you have demonstrated competence in critical areas, and have the knowledge and skills to perform essential duties that keep their wireless networks functioning and safe. The CWNA: Certified Wireless Network Administrator Study Guide gives you everything you need to pass the exam with flying colors.

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In times of constant change, adaptive leadership is critical. This Harvard Business Review collection brings together the seminal ideas on how to adapt and thrive in challenging environments, from leading thinkers on the topic—most notably Ronald A. Heifetz of the Harvard Kennedy School and Cambridge Leadership Associates. The Heifetz Collection includes two classic books: Leadership on the Line, by Ron Heifetz and Marty Linsky, and The Practice of Adaptive Leadership, by Heifetz, Linsky, and Alexander Grashow. Also included is the popular Harvard Business Review article, "Leadership in a (Permanent) Crisis," written by all three authors. Available together for the first time, this collection includes full digital editions of each work. Adaptive leadership is a practical framework for dealing with today's mix of urgency, high stakes, and uncertainty. It has been used by individuals, organizations, businesses, and governments worldwide. In a world of challenging environments, adaptive leadership serves as a guide to distinguishing the essential from the expendable, beginning the meaningful process of adaption, and changing the status quo. Ronald A. Heifetz is a cofounder of the international leadership and consulting practice Cambridge Leadership Associates (CLA) and the founding director of the Center for Public Leadership at the Harvard Kennedy School. He is renowned worldwide for his innovative work on the practice and teaching of leadership. Marty Linsky is a cofounder of CLA and has taught at the Kennedy School for more than twenty-five years. Alexander Grashow is a Senior Advisor to CLA, having previously held the position of CEO.

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In recent years, many technologies for gait and posture assessments have emerged. Wearable sensors, active and passive in-house monitors, and many combinations thereof all promise to provide accurate measures of physical activity, gait, and posture parameters. Motivated by market projections for wearable technologies and driven by recent technological innovations in wearable sensors (MEMs, electronic textiles, wireless communications, etc.), wearable health/performance research is growing rapidly and has the potential to transform future healthcare from disease treatment to disease prevention. The objective of this Special Issue is to address and disseminate the latest gait, posture, and activity monitoring systems as well as various mathematical models/methods that characterize mobility functions. This Special Issue focuses on wearable monitoring systems and physical sensors, and its mathematical models can be utilized in varied environments under varied conditions to monitor health and performance

This two-volume set contains the proceedings of the June 1999 conference devoted to presenting and exploring scientific and technological advancements, innovations, opportunities, and solutions in Multimedia applications. Among other topics, the 318 contributions cover quality of service, network management and distributed multimedia systems, video compression, web and video servers, virtual and augmented reality, computer graphics and animation, multimodal interaction and usability, content-based retrieval from image and video databases, authoring tools, software engineering technologies for multimedia, electronic commerce, and educational, cultural heritage and medical applications. Contains an author index but no subject index. Annotation c. Book News, Inc., Portland, OR (booknews.com).

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Describes the state-of-the-art in digital multimedia communications. This text presents an integrated view of advanced radio systems, network architectures and source coding.

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This SpringerBrief presents research results on QoE management schemes for mobile services, including user services, and resource allocation. Along with a review of the research literature, it offers a data-driven architecture for personalized QoE management in wireless networks. The primary focus is on introducing efficient personalized character extraction mechanisms, e.g., context-aware Bayesian graph model, and cooperative QoE management mechanisms. Moreover, in order to demonstrate in the effectiveness of the QoE model, a QoE measurement platform is described and its collected data examined. The brief concludes with a discussion of future research directions. The example mechanisms and the data-driven architecture provide useful insights into the designs of QoE management, and motivate a new line of thinking for users' satisfaction in future wireless networks.

We are delighted to present the proceedings of the 7th IFIP/IEEE International Conference on Management of Multimedia Networks & Services (MMNS). The MMNS 2004 conference was held in San Diego, California, USA on October 4-6, 2004. As in previous years, the conference brought together an international audience of researchers and scientists from industry and academia who are - searching and developing state-of-the-art management systems, while creating a public venue for results dissemination and intellectual collaboration. This year marked a challenging chapter in the advancement of management s- tems for the wider management research community, with the growing compl- ities of the Internet, the proliferation of alternative wireless networks and mobile services, intelligent and high-speed networks, scalable multimedia services, and the convergence of computing and communications for data and voice delivery. Contributions from the research community met this challenge with 84 paper submissions; 26

selected high-quality papers were subsequently selected to form the MMNS 2004 technical program. The diverse topics in this year's program included novel protocols in wireless systems, multimedia over wireless, mobility management, multimedia service control, proactive techniques for QoS mana- ment, MPLStra?c engineering and resiliency, distributed systems management, scalable multimedia systems, and adaptive methods for streaming multimedia.

This multimedia sourcebook on CD-ROM synthesizes an extensive body of knowledge and experience in managing urban slums accumulated over the last 30 years. The key lessons learned and their implications for future work serve as a useful tool for capacity building and knowledge sharing for policy makers, practitioners, planning institutions, community groups, NGOs, and university students. Approaches to Urban Slums include 14 audiovisual presentations (photographs, illustrations, maps, graphic animations, and aerial imagery, along with voice-over narration) and 18 video interviews.

M.A.Bramer University of Portsmouth, UK This volume comprises the refereed application papers presented at AI-2003, the Twenty-third SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, held in Cambridge in December 2003. The conference was organised by SGAI, the British Computer Society Specialist Group on Artificial Intelligence. The papers present new and innovative developments in the field, divided into sections on Personalisation, E-Commerce and Resource Management, Hazard Prediction, Fault Diagnosis and Design, Medical and Social Services and Image Recognition, Knowledge Bases and Attribute Selection. This year's prize for the best refereed application paper, which was sponsored by the Department of Trade and Industry, was won by a paper entitled Design-a-Trial: A Rule-Based Decision Support System for Clinical Trial Design, which has no fewer than nine authors: K Nammuni, C Pickering (InferMed Ltd), S Modgil (University College, London), A Montgomery (InferMed Ltd), P Hammond (University College, London), IC Wyatt (National Institute for Clinical Excellence), DG Altman (Centre for Statistics in Medicine), R Dunlop (InferMed Ltd) and H Potts (Kings College, London). This is the eleventh volume in the Applications and Innovations series. The Technical Stream papers are published as a companion volume under the title Research and Development in Intelligent Systems XX. On behalf of the conference organising committee I should like to thank all those who contributed to the organisation of this year's application programme, in particular the programme committee members, the referees and our administrators Fiona Hartree and Linsay Turbert.

This volume contains the proceedings of UIC 2008, the 5th International C- ference on Ubiquitous Intelligence and Computing: Building Smart Worlds in Real and Cyber Spaces. The conference was held in Oslo, Norway, during June 23–25, 2008. The event was the ?fth meeting of this conference series. USW 2005 (First International Workshop on Ubiquitous Smart World), held in March 2005 in Taiwan, was the ?rst event in the series. This event was followed by UISW 2005 (SecondInternationalSymposiumonUbiquitousIntelligenceandSmartWorlds) held in December 2005 in Japan, by UIC 2006 (Third International Conference on Ubiquitous Intelligence and Computing: Building Smart Worlds in Real and Cyber Spaces) held in September 2006 in Wuhan and Three Gorges, China, and by UIC 2007 held in July 2007 in Hong Kong. Ubiquitous computers, networks and information are paving the road to a smart world in which computational intelligence is distributed throughout the physical environment to provide trustworthy and relevant services to people.