

Apt Itu Conformance And Interoperability Workshop

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Biometric Recognition MIT Press

Joined-up healthcare makes information available when and where it is needed to improve safety, efficiency and effectiveness. Politicians may take interoperability between healthcare computer systems for granted, but it is non-trivial. Healthcare integration projects are notoriously under-estimated and come in over-budget and over-time. Joined-up healthcare depends on standards. The two leading standards are the SNOMED CT, which is a clinical terminology (semantics) and HL7 Version 3, which is a specialised healthcare interoperability language (syntax). Both are new, complex and fit for purpose. Tim Benson believes there is an unmet need for a book on Healthcare Integration. Some health informatics textbooks include chapters on HL7 and/or SNOMED, but these are usually quite short and cannot provide even an adequate introduction. There is little of much value on the Internet, or in journals or conference proceedings.

Radio Communications Elsevier

The book will show readers how to use Alfresco's implementation of CMIS through a tutorial-based approach. It also has plenty of examples to help illustrate the concepts that you will learn. If you are a developer who wants to learn how to build applications that talk to content management servers in a standard way using CMIS, this book is ideal for you. It will be helpful if you have a bit of programming experience, although it is not necessary.

ITU News Springer

"This reference set provides a complete understanding of the development of applications and concepts in clinical, patient, and hospital information systems"--Provided by publisher.

The Design Thinking Playbook Institute of Electrical & Electronics Engineers(IEEE)

This unique book provides a fully revised and up-to-date treatment of the TTCN-3 language TTCN-3 is an internationally standardised test language with a powerful textual syntax which has established itself as a global, universal testing language. Application of TTCN-3 has been widened beyond telecommunication systems to areas such as the automotive industry, internet protocols, railway signalling, medical systems, and avionics. An Introduction to TTCN-3 gives a solid

introduction to the TTCN-3 language and its uses, guiding readers though the TTCN-3 standards, methodologies and tools with examples and advice based on the authors' extensive real-world experience. All the important concepts and constructs of the language are explained in a step-by-step, tutorial style, and the authors relate the testing language to the overall test system implementation, giving the bigger picture. This second edition of the book has been updated and revised to cover the additions, changes and extensions to the TTCN-3 language since the first version was published. In addition, this book provides new material on the use of XML, test framework design and LTE testing with TTCN-3. Key Features: Provides a fully revised and up-to-date look at the TTCN-3 language Addresses language standardization, tool implementation and applying TTCN-3 in real world scenarios such as VoIP and LTE testing Explores recent advances such as TTCN-3 core language extensions on type parameterization, behavior types, real time and performance testing Introduces the use of ASN.1 and XML with TTCN-3 Written by experts in the field Includes an accompanying website containing code samples and links to the relevant standards documents (www.wiley.com/go/willcock_ttcn-3_2e) This book is an ideal reference for test engineers, software developers, and standards professionals. Graduate students studying telecommunications and software engineering will also find this book insightful.

Wireless Coexistence John Wiley & Sons

This book provides a comprehensive overview of the emerging technologies for next-generation 5G mobile communications, with insights into the long-term future of 5G. Written by international leading experts on the subject, this contributed volume covers a wide range of technologies, research results, and networking methods. Key enabling technologies for 5G systems include, but are not limited to, millimeter-wave communications, massive MIMO technology and non-orthogonal multiple access. 5G will herald an even greater rise in the prominence of mobile access based upon both human-centric and machine-centric networks. Compared with existing 4G communications systems, unprecedented numbers of smart and heterogeneous wireless devices will be accessing future 5G mobile systems. As a result, a new paradigm shift is required to deal with challenges on explosively growing requirements in mobile data traffic volume (1000x), number of connected devices (10–100x), typical end-user data rate (10–100x), and device/network lifetime (10x). Achieving these ambitious goals calls for revolutionary candidate technologies in future 5G mobile systems. Designed for researchers and professionals involved with networks and communication systems, 5G Mobile Communications is a

straightforward, easy-to-read analysis of the possibilities of 5G systems.

Global Information Technology Report 2008-2009 National Academies Press

This book provides an introduction to health interoperability and the main standards used. Health interoperability delivers health information where and when it is needed. Everybody stands to gain from safer more soundly based decisions and less duplication, delays, waste and errors. The third edition of Principles of Health Interoperability includes a new part on FHIR (Fast Health Interoperability Resources), the most important new health interoperability standard for a generation. FHIR combines the best features of HL7's v2, v3 and CDA while leveraging the latest web standards and a tight focus on implementability. FHIR can be implemented at a fraction of the price of existing alternatives and is well suited for use in mobile phone apps, cloud communications and EHRs. The book is organised into four parts. The first part covers the principles of health interoperability, why it matters, why it is hard and why models are an important part of the solution. The second part covers clinical terminology and SNOMED CT. The third part covers the main HL7 standards: v2, v3, CDA and IHE XDS. The new fourth part covers FHIR and has been contributed by Grahame Grieve, the original FHIR chief.

MITRE Systems Engineering Guide Springer Science & Business Media

This book presents the fundamentals of wireless communications and services, explaining in detail what RF spectrum management is, why it is important, which are the authorities regulating the use of spectrum, and how is it managed and enforced at the international, regional and national levels. The book offers insights to the engineering, regulatory, economic, legal, management policy-making aspects involved. Real-world case studies are presented to depict the various approaches in different countries, and valuable lessons are drawn. The topics are addressed by engineers, advocates and economists employed by national and international spectrum regulators. The book is a tool that will allow the international regional and national regulators to better manage the RF spectrum, and will help operators and suppliers of wireless communications to better understand their regulators.

The Telecommunications Handbook Springer Nature

This book presents the fundamentals of wireless communications and services, explaining in detail what RF spectrum management is, why it is important, which are the authorities regulating the use of spectrum, and how is it managed and enforced at the international, regional and national levels. The book offers insights to the engineering, regulatory, economic, legal, management policy-making aspects involved. Real-world case studies are presented to depict the various approaches in different countries, and valuable lessons are drawn. The topics are addressed by engineers, advocates and economists employed by national and international spectrum regulators. The book is a tool that will allow the international regional and national regulators to better manage the RF spectrum, and will help operators and suppliers of wireless communications to better understand their regulators.

Twelfth International Conference on Information Networking, (ICOIN-12), Koganei, Tokyo, Japan, January 21-23, 1998

Smashbooks

Practicing business with a conscience leaves no sector untouched. It trickles into how we treat our employees; approach our work in

general; address stakeholders; engage in accounting, financial, and production management practices; implement and manage information technology; communicate on a direct and indirect basis; and market what we stand for. Business has encountered an interesting evolution in the first two decades of the twenty-first century, with social media as a catalyst aiding greater understanding and improvement regarding the critical value of soft skills, workplace diversity, change readiness, moral responsibility, sustainable awareness, and a general socially responsible mindset. This amalgamate spirit of business as we envision it in both the near and far future has found its way in all segments of business education, research, and practice. Adhering to the global trend of increased responsibility and evoking a constructive change in the narrative of business, this Research Companion serves as a critical reference work for business scholars and practitioners in various settings. It brings together contributing scholars from multiple business areas, from a variety of cultures and locations of the world, in order to achieve the compilation of a reference work that will find an expansive appeal. Including insights from the broad business spectrum ranging from internal managerial practices to strategic applications, including international sensitivity, this volume highlights the urgency for increased awareness in business decision-making on all fronts. It will be of great value to researchers, academics, practitioners, and students in the fields of corporate social responsibility, business ethics, leadership, organizational studies, and entrepreneurship.

The ITU New Initiatives Programme IGI Global

The use of mobile and wireless technologies to support the achievement of health objectives (mHealth) has the potential to transform the face of health service delivery across the globe. A powerful combination of factors is driving this change. These include rapid advances in mobile technologies and applications, a rise in new opportunities for the integration of mobile health into existing eHealth services, and the continued growth in coverage of mobile cellular networks. According to the International Telecommunication Union (ITU), there are now over 5 billion wireless subscribers; over 70% of them reside in low- and middle-income countries. For the first time the World Health Organization's Global Observatory for eHealth (GOe) has sought to determine the status of mHealth in Member States; its 2009 global survey contained a section specifically devoted to mHealth. Completed by 114 Member States, the survey documented for analysis four aspects of mHealth: adoption of initiatives, types of initiatives, status of evaluation, and barriers to implementation. Fourteen categories of mHealth services were surveyed: health call centres, emergency toll-free telephone services, managing emergencies and disasters, mobile telemedicine, appointment reminders, community mobilization and health promotion, treatment compliance, mobile patient records, information access, patient monitoring, health surveys and data collection, surveillance, health awareness raising, and decision support systems.

Annual Report John Wiley & Sons

This publication provides an overview of how international standards are used by policymakers to support sustainability and achieve the Sustainable Development Goals (SDGs). It is based on case studies that illustrate the use of standards for SDG 6, Clean Water and Sanitation, SDG 7, Standards for Affordable and Clean Energy, SDG 11, Sustainable Cities and Communities, and SDG 13, Climate Action. The publication documents the practical experience of regulatory authorities, governments and local administrations, as well as regional groups of countries, in using standards towards the implementation of the 2030 Agenda. With examples ranging from the subnational and national to the global levels, and from all regions, we hope this reading will inspire you to consider your local context and how you may apply standards to best realize the Global Goals in your constituency.

Health Information Systems: Concepts, Methodologies, Tools, and Applications Pearson Educational

[Vol. 2:] contributions from representatives of international and regional organizations and telecommunication operators and manufacturers / official statements and addresses.

Handbook National Academies Press

"Prepared by the Joint Committee on Standards for Educational and Psychological Testing of the American Educational Research Association, American Psychological Association and National Council on Measurement in Education"--T.p. verso.

Transforming Global Information and Communication Markets John Wiley & Sons

As the demand for higher bandwidth has lead to the development of increasingly complex wireless technologies, an understanding of both wireless networking technologies and radio frequency (RF) principles is essential for implementing high performance and cost effective wireless networks. Wireless Networking Technology clearly explains the latest wireless technologies, covering all scales of wireless networking from personal (PAN) through local area (LAN) to metropolitan (MAN). Building on a comprehensive review of the underlying technologies, this practical guide contains 'how to' implementation information, including a case study that looks at the specific requirements for a voice over wireless LAN application. This invaluable resource will give engineers and managers all the necessary knowledge to design, implement and operate high performance wireless networks. · Explore in detail wireless networking technologies and understand the concepts behind RF propagation. · Gain the knowledge and skills required to install, use and troubleshoot wireless networks. · Learn how to address the problems involved in implementing a wireless network, including the impact of signal propagation on operating range, equipment interoperability problems and many more. · Maximise the efficiency and security of your wireless network.

MHealth John Wiley & Sons

This book is the result of the PhD project I started four years ago at Europa-Kolleg Hamburg. I had the great opportunity to work on it for one year at the European University Institute in Florence and to finalise the oeuvre during my stay with the European Commission's Institute for Prospective Technological Studies in Seville. The subject matter of the book is intellectual property rights, patents in particular, and their process of harmonisation in Europe. At the beginning of the work, the intention was not to focus immediately on one narrow field in the huge realm of intellectual property rights but rather to open my mind in order to capture a broad variety of new ideas and concepts in the book. The work at three different institutes in three different European countries over the period of four years naturally exposed the work to diverging ideas and the exchange of views with many people. This is one reason for the wide spread of topics ordered around the given leitmotif, such as epistemological foundations, political background information, the protection of biotechnological inventions and the building up process of intellectual property right systems in the countries of Central and Eastern Europe. In chapter two I take up Polanyi's differentiation of codifiable and tacit knowledge. Applying these concepts to my own work I realise that this book is only the visible and codified part of knowledge I was able to capture.

Intellectual Property Rights World Economic Forum
Innovation in information and communication technology (ICT) fuels the growth of the global economy. How ICT

markets evolve depends on politics and policy, and since the 1950s periodic overhauls of ICT policy have transformed competition and innovation. For example, in the 1980s and the 1990s a revolution in communication policy (the introduction of sweeping competition) also transformed the information market. Today, the diffusion of Internet, wireless, and broadband technology, growing modularity in the design of technologies, distributed computing infrastructures, and rapidly changing business models signal another shift. This pathbreaking examination of ICT from a political economy perspective argues that continued rapid innovation and economic growth require new approaches in global governance that will reconcile diverse interests and enable competition to flourish. The authors (two of whom were architects of international ICT policy reforms in the 1990s) discuss this crucial turning point in both theoretical and practical terms.

Principles of Health Interoperability HL7 and SNOMED Springer

In the last decades the restless evolution of information and communication technologies (ICT) brought to a deep transformation of our habits. The growth of the Internet and the advances in hardware and software implementations modified our way to communicate and to share information. In this book, an overview of the major issues faced today by researchers in the field of radio communications is given through 35 high quality chapters written by specialists working in universities and research centers all over the world. Various aspects will be deeply discussed: channel modeling, beamforming, multiple antennas, cooperative networks, opportunistic scheduling, advanced admission control, handover management, systems performance assessment, routing issues in mobility conditions, localization, web security. Advanced techniques for the radio resource management will be discussed both in single and multiple radio technologies; either in infrastructure, mesh or ad hoc networks.

Department of Defense Dictionary of Military and Associated Terms Routledge

Thousands of measures are in use today to assess health and health care in the United States. Although many of these measures provide useful information, their usefulness in either gauging or guiding performance improvement in health and health care is seriously limited by their sheer number, as well as their lack of consistency, compatibility, reliability, focus, and organization. To achieve better health at lower cost, all stakeholders - including health professionals, payers, policy makers, and members of the public - must be alert to what matters most. What are the core measures that will yield the clearest understanding and focus on better health and well-being for Americans? Vital Signs explores the most important issues - healthier people, better quality care, affordable care, and engaged individuals and communities - and specifies a streamlined set of 15 core measures. These measures, if standardized and applied at national, state, local, and institutional levels across the country, will transform the effectiveness, efficiency, and burden of health measurement and help accelerate focus and progress on our highest health priorities. Vital Signs also describes the leadership and activities necessary to refine, apply, maintain, and revise the measures over time, as well as how they can improve the focus and utility of measures outside the core set. If health care is to become more effective and more efficient, sharper attention is required on the elements most important to health and health care. Vital Signs lays the groundwork for the adoption of core measures that, if systematically applied, will yield better health at a lower cost for all Americans.

Toward a Theory of Spacepower: Selected Essays John Wiley & Sons

"Since the fourth edition of this book was published, the field has seen continued innovations and improvements. In this new edition, we try to capture these changes while maintaining a broad and comprehensive coverage of the entire field. There have been a number of refinements to improve pedagogy and user-friendliness, updated references, and mention of recent security incidents, along

with a number of more substantive changes throughout the book"--

Vital Signs Cisco Press

The digital traces that people leave behind as they conduct their daily lives provide a powerful resource for businesses to better understand the dynamics of an otherwise chaotic society. Digital technologies have become omnipresent in our lives and we still do not fully know how to make the best use of the data these technologies could harness. Businesses leveraging big data appropriately could definitely gain a sustainable competitive advantage. With a balanced mix of texts and cases, this book discusses a variety of digital technologies and how they transform people and organizations. It offers a debate on the societal consequences of the yet unfolding technological revolution and proposes alternatives for harnessing disruptive technologies for the greater benefit of all. This book will have wide appeal to academics in technology management, strategy, marketing, and human resource management.