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CCTV Surveillance   Aug 04 2022 This revision of the classic book on CCTV technology, CCTV Surveillance, provides a comprehensive examination of CCTV, covering the applications of various systems, how to design and install a system, and how to choose the right hardware. Taking into account the ever-changing advances in technology using digital techniques and the Internet, CCTV Surveillance, Second Edition, is completely updated with the recent advancements in digital cameras and digital recorders, remote monitoring via the Internet, and CCTV integration with other security systems. Continuing in the celebrated tradition of the first edition, the second edition is written to serve as a useful resource for the end-user as well as the technical practitioner. Each chapter begins with an overview, and presents the latest information on the relevant equipment, describing the characteristics, features and application of each device. Coverage of aging or obsolete technology is reduced to a historical perspective, and eight brand new chapters cover digital video technology, multiplexers, integrated camera-lens-housing, smart domes, and rapid deployment CCTV systems. Serves as an indispensable resource on CCTV theory Includes eight new chapters on the use of digital components and other related technologies that have seen a recent explosion in use Fully illustrated, the book contains completely updated photographs and diagrams that represent the latest in CCTV technology advancements

Advances in Artificial Reality and Tele-Existence   Jul 23 2021 This book constitutes the refereed proceedings of the 16th International Conference on Artificial Reality and Telexistence, ICAT 2006, held in Hangzhou, China in November/December 2006. The 138 revised papers cover anthropomorphic intelligent robotics, artificial life, augmented reality, distributed and collaborative VR system, motion tracking, real time computer simulation virtual reality, as well as VR interaction and navigation techniques.

Advances in Biometrics   Dec 04 2019 This book constitutes the refereed proceedings of the Third International Conference on Biometrics, ICB 2009, held in Alghero, Italy, June 2-5, 2009. The 36 revised full papers and 93 revised poster papers presented were carefully reviewed and selected from 250 submissions. Biometric criteria covered by the papers are assigned to face, speech, fingerprint and palmprint, multibiometrics and security, gait, iris, and other biometrics. In addition there are 4 papers on challenges and competitions that currently are under way, thus presenting an overview on the evaluation of biometrics.

Towards Users' Optimal and Pleasurable Experience in Smart Environments   Aug 12 2020 This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.

Lifecycle IoT Security for Engineers   Oct 26 2021 This comprehensive resource provides a thorough introduction to the security risks, attack vectors and vulnerabilities an Internet of things (IoT) product and its network can face at different phases of its lifecycle. The risks at each stage of the development and operations (DevOps) lifecycle of an IoT product are analyzed. Examples of recent, relevant security threats faced by the industry are discussed and why the security breach happened, how it was resolved, and what could have been done to avoid them will be explained. Readers will learn the best practices to secure their IoT products, and networks in a holistic way. IoT and the diverse and unique nature of IoT applications across the commercial and industrial landscape, are introduced, including the need for securing IoT. The lifecycle of IoT security, specifically the security implementations that need to be carried out at various stages in the operational process of an IoT service are presented, as well as the security requirements during the planning, security integration, operational, maintenance, and planned discontinuation phase of an IoT service. The vulnerabilities in IoT, the various attack vectors exploited by attackers, and preventive measures that can be undertaken to avoid these security attacks are also explored. Readers are acclimated with various steps that must be undertaken to prepare for IoT security attacks, and techniques that can be employed to detect them. Key challenges involved with implementing appropriate levels of security in IoT due to heterogeneity, interoperability, human errors, and commercial factors are discussed, as well as the need for regulatory guidance for the IoT industry and highlights specific examples of regulations in leading markets across the globe.

End-User Computing: Concepts, Methodologies, Tools, and Applications   Nov 02 2019 Covers the important concepts, methodologies, technologies, applications, social issues, and emerging trends in this field. Provides researchers, managers, and other professionals with the knowledge and tools they need to properly understand the role of end-user computing in the modern organization.

The Routledge Handbook of International Crime and Justice Studies   Apr 07 2020 The Routledge Handbook of International Crime and Justice Studies presents the enduring debates and emerging challenges in crime and justice studies from an international and multi-disciplinary perspective. Guided by the pivotal, although vastly under-examined, role that consumerism, politics, technology, and culture assume in shaping these debates and in organizing these challenges, individual chapters probe the global landscape of crime and justice with astonishing clarity and remarkable depth. A distinguished collection of experts examine the interdisciplinary field of international crime and justice. Their contributions are divided into thematic sections, including: theory, culture, and society industries of crime and justice: systems of policing, law, corrections and punishment the criminal enterprise global technologies media, crime, and culture green criminology political violence public health criminology the political economy of crime and justice. All the chapters include full pedagogy and instructional resources for easy referencing or classroom use. This Handbook will be useful for students, scholars and practitioners of law, medicine, history, economics, sociology, politics, philosophy, education, public health, and social policy.

Symmetry-Adapted Machine Learning for Information Security   Oct 06 2022 Symmetry-adapted machine learning has shown encouraging ability to mitigate the security risks in information and communication technology (ICT) systems. It is a subset of artificial intelligence (AI) that relies on the principles of processing future events by learning past events or historical data. The autonomous nature of symmetry-adapted machine learning supports effective data processing and analysis for security detection in ICT systems without the interference of human authorities. Many industries are developing machine-learning-adapted solutions to support security for smart hardware, distributed computing, and the cloud. In our Special Issue book, we focus on the deployment of symmetry-adapted machine learning for information security in various application areas. This security approach can support effective methods to handle the dynamic nature of security attacks by extraction and analysis of data to identify hidden patterns of data. The main topics of this Issue include malware classification, an intrusion detection system, image watermarking, color image watermarking, battlefield target aggregation behavior recognition model, IP camera, Internet of Things (IoT) security, service function chain, indoor positioning system, and crypto-analysis.

Video Over IP   Feb 15 2021 This text provides what is needed to choose the way to transfer video over a network. It is presented in an easy-to-read format, with comparison charts provided to help understand the benefits and drawbacks of different technologies for a variety of practical applications.

Cyber Security, Privacy and Networking   Jun 21 2021 This book covers selected high-quality research papers presented in the International Conference on Cyber Security, Privacy and Networking (ICSPN 2021), organized during 17-19 September 2021 in India in Online mode. The objectives of ICSPN 2021 is to provide a premier international platform for deliberations on strategies, recent trends, innovative approaches, discussions and presentations on the most recent cyber security, privacy and networking challenges and developments from the perspective of providing security awareness and its best practices for the real world. Moreover, the motivation to organize this conference is to promote research by sharing innovative ideas among all levels of the scientific community, and to provide opportunities to develop creative solutions to various security, privacy and networking problems.

Federal Register   Oct 14 2020

Security, Privacy, and Anonymity in Computation, Communication, and Storage   Dec 16 2020 This book constitutes the refereed proceedings of 11 symposia and workshops held at the 10th International Conference on Security, Privacy and Anonymity in Computation, Communication, and Storage, SpaCCS 2017, held in Guangzhou, China, in December 2017. The total of 75 papers presented in this volume was carefully reviewed and selected from a total of 190 submissions to all workshops: UbiSafe 2017: The 9th IEEE International Symposium on UbiSafe Computing ISSR 2017: The 9th IEEE International Workshop on Security in e-Science and e-Research TrustData 2017: The 8th International Workshop on Trust, Security and Privacy for Big Data TSP 2017: The 7th International Symposium on Trust, Security and Privacy for Emerging Applications SPIoT 2017: The 6th International Symposium on Security and Privacy on Internet of Things NOPE 2017: The 5th International Workshop on Network Optimization and Performance Evaluation DependSys 2017: The Third International Symposium on Dependability in Sensor, Cloud, and Big Data Systems and Applications SCS 2017: The Third International Symposium on Sensor-Cloud Systems WCSSC 2017: The Second International Workshop on Cloud Storage Service and Computing MSCF 2017: The First International Symposium on Multimedia Security and Digital Forensics SPBD 2017: The 2017 International Symposium on Big Data and Machine Learning in Information Security, Privacy and Anonymity

Security and Privacy in Communication Networks   Jun 02 2022 This two-volume set LNICST 335 and 336 constitutes the post-conference proceedings of the 16th International Conference on Security and Privacy in Communication Networks, SecureComm 2020, held in Washington, DC, USA, in October 2020. The conference was held virtually due to COVID-19 pandemic. The 60 full papers were carefully reviewed and selected from 120 submissions. The papers focus on the latest scientific research results in security and privacy in wired, mobile, hybrid and ad hoc networks, in IoT technologies, in cyber-physical systems, in next-generation communication systems in web and systems security and in pervasive and ubiquitous computing.

Connected Business   Sep 12 2020 How do you develop business in a world certain to be dominated by Internet of Things, Artificial Intelligence, and the Economy of Things? This book brings together leading scholars from academia, established practitioners, and thought-leading consultants who analyse and provide guidance to answer this question. Case studies, checklists, success factors, help readers get a grip on this fast-paced development. At the same time, the authors do not shy away from addressing the hurdles and barriers to implementation. This book provides an essential food-for-thought for leaders and managers, both visionary and pragmatic, who are faced with the responsibility of steering their business through these challenging, yet exciting, times. As Connected Business is rapidly becoming the new normal, this book provides a rich and timely source of reflection and inspiration. Dr. Peter Terwiesch, President of ABB Process Automation.

Data Communication and Computer Networks: A Business User's Approach   Jun 09 2020 Whether you are preparing for a career as a business manager, computer programmer or system designer, or you simply want to be an informed home computer user, West's DATA COMMUNICATIONS AND COMPUTER NETWORKS, 9th Edition provides an understanding of the essential features, operations and limitations of today's computer networks. You learn about systems both on premises and in the cloud as the author balances technical concepts with practical, everyday issues. Updates address the latest developments and practices in cloud business principles and security techniques, software-defined networking, 5G, the Internet of Things, data analytics and supporting remote workforces. This edition also covers the CompTIA's Cloud Essentials+ exam to help you prepare for this vendor-neutral, business-oriented cloud computing certification. Hands-on learning features and thought-provoking content also guide you through virtual networking technologies, industry convergence and wired and wireless LAN technologies. Important Notice: Media content referenced within the product description

or the product text may not be available in the ebook version.

Optoelectronics for Low-Intensity Conflicts and Homeland Security Jul 11 2020 This authoritative new resource provides an overview of the deployment of various devices in systems in actual field conditions and efficacy established in warfare. The book covers laser and optronic technologies that have evolved over the years to build practical devices and systems for use in Homeland Security and low-intensity conflict scenarios. Readers will be able to assess combat and battle-worthiness of various available devices and systems. This book covers state-of-the-art and emerging trends in various optoelectronics technologies having applications in Homeland Security. It provides information on operational aspects, deployment scenarios, and actual usage of laser and optoelectronics based technologies for low intensity conflicts, offering insight into the utility of each technology/device for a given operational requirement. This book evaluates the merits of various laser and optoelectronic sensor based technologies intended for low intensity conflict operations, including counter-insurgency and anti-terrorist operations. It is a useful reference for those specializing in defense electronics and optronics and professionals in the defence industry involved in operation and maintenance of laser based security equipment. Packed with tables, photographs, and a comprehensive list of references in every chapter, this is the only book that covers all topics related to Laser and Optoelectronics devices intended for low intensity conflict operations in a single volume.

The Appropriate and Effective Use of Security Technologies in U.S. Schools Sep 05 2022

Human Choice and Digital by Default May 01 2022

Artificial Intelligence for Communications and Networks May 21 2021 This two-volume set LNICST 286-287 constitutes the post-conference proceedings of the First EAI International Conference on Artificial Intelligence for Communications and Networks, AICON 2019, held in Harbin, China, in May 2019. The 93 full papers were carefully reviewed and selected from 152 submissions. The papers are organized in topical sections on artificial intelligence, mobile network, deep learning, machine learning, wireless communication, cognitive radio, internet of things, big data, communication system, pattern recognition, channel model, beamforming, signal processing, 5G, mobile management, resource management, wireless position.

Foundations and Practice of Security Nov 14 2020 This book constitutes the revised selected papers of the 13th International Symposium on Foundations and Practice of Security, FPS 2020, held in Montréal, QC, Canada, in December 2020. The 11 full papers and 1 short paper presented in this book were carefully reviewed and selected from 23 submissions. They cover a range of topics such as Analysis and Detection; Prevention and Efficiency; and Privacy by Design.

Connected Environments for the Internet of Things Aug 31 2019 This comprehensive text/reference presents a broad-ranging overview of device connectivity in distributed computing environments, supporting the vision of an Internet of Things (IoT). Expert perspectives are provided by an international selection of researchers from both industry and academia, covering issues of communication, security, privacy, interoperability, networking, access control, and authentication. In addition to discussing state-of-the-art research and practice, the book includes corporate analyses offering a balanced view of benefits and limitations, and numerous case studies illustrating the challenges and practical solutions. Topics and features: discusses issues of security and privacy in connected environments, with a specific focus on the impact of the IoT paradigm on enterprise information systems; examines the challenges of managing big data in IoT environments, and proposes cloud computing-based solutions to the limitations inherent in the IoT paradigm; suggests approaches to overcome service-level interoperability problems in the IoT environment; introduces a mobile IoT simulator designed to evaluate the behavior of IoT systems, in addition to a novel approach to manage hyper-connectivity in the IoT; describes the use of the Essence framework to model software development methods, and highlights the benefits of integrating data from smart buildings and IoT devices; presents an asymmetric schema matching mechanism for IoT interoperability, and explores the topic of automatic provenance capture at the middleware level; reviews emerging network topologies and communication technologies, and advises on the adoption of a data distribution service as a middleware platform for IoT systems. This practically-oriented volume serves as a complete reference for students, researchers and practitioners of distributed computing, providing insights into the latest approaches, technologies, and frameworks relevant to the IoT environment.

CSO Jan 29 2022 The business to business trade publication for information and physical Security professionals.

Security and Privacy in New Computing Environments Apr 19 2021 This book constitutes the refereed proceedings of the Third International Conference on Security and Privacy in New Computing Environments, SPNCE 2020, held in August 2020. Due to COVID-19 pandemic the conference was held virtually. The 31 full papers were selected from 63 submissions and are grouped into topics on network security; system security; machine learning; authentication and access control; cloud security; cryptography; applied cryptography.

Security and Loss Prevention Mar 31 2022 Security and Loss Prevention, Fifth Edition, encompasses the breadth and depth of considerations involved in implementing general loss prevention concepts and security programs within an organization. It presents proven strategies to prevent and reduce incidents of loss due to legal issues, theft and other crimes, fire, accidental or intentional harm from employees as well as the many ramifications of corporate mismanagement. It contains a brand new terrorism chapter, along with coverage on background investigations, protection of sensitive information, internal threats, and considerations at select facilities (nuclear, DoD, government and federal). Author Philip Purpura once again demonstrates why students and professionals alike rely on this best-selling text as a timely, reliable resource. This book is an ideal resource for criminal justice and security academic programs, physical security professionals, retail security professionals, security managers, security consultants, law enforcement professionals, investigations professionals, risk and contingency planning professionals. - Covers the latest professional security issues surrounding Homeland Security and risks presented by threats of terrorism - Recommended reading for ASIS International's prestigious CPP Certification - Cases provide real-world applications

Modern Socio-Technical Perspectives on Privacy May 09 2020 This open access book provides researchers and professionals with a foundational understanding of online privacy as well as insight into the socio-technical privacy issues that are most pertinent to modern information systems, covering several modern topics (e.g., privacy in social media, IoT) and underexplored areas (e.g., privacy accessibility, privacy for vulnerable populations, cross-cultural privacy). The book is structured in four parts, which follow after an introduction to privacy on both a technical and social level: Privacy Theory and Methods covers a range of theoretical lenses through which one can view the concept of privacy. The chapters in this part relate to modern privacy phenomena, thus emphasizing its relevance to our digital, networked lives. Next, Domains covers a number of areas in which privacy concerns and implications are particularly salient, including among others social media, healthcare, smart cities, wearable IT, and trackers. The Audiences section then highlights audiences that have traditionally been ignored when creating privacy-preserving experiences: people from other (non-Western) cultures, people with accessibility needs, adolescents, and people who are underrepresented in terms of their race, class, gender or sexual identity, religion or some combination. Finally, the chapters in Moving Forward outline approaches to privacy that move beyond one-size-fits-all solutions, explore ethical considerations, and describe the regulatory landscape that governs privacy through laws and policies. Perhaps even more so than the other chapters in this book, these chapters are forward-looking by using current personalized, ethical and legal approaches as a starting point for re-conceptualizations of privacy to serve the modern technological landscape. The book's primary goal is to inform IT students, researchers, and professionals about both the fundamentals of online privacy and the issues that are most pertinent to modern information systems. Lecturers or teacherscan assign (parts of) the book for a "professional issues" course. IT professionals may select chapters covering domains and audiences relevant to their field of work, as well as the Moving Forward chapters that cover ethical and legal aspects. Academicswho are interested in studying privacy or privacy-related topics will find a broad introduction in both technical and social aspects.

Handbook of Loss Prevention and Crime Prevention Aug 24 2021 The Handbook of Loss Prevention and Crime Prevention, 5th Edition, is a trusted foundation for security professionals just entering the field and a reference for seasoned professionals. This book provides a comprehensive overview of current approaches to security and crime prevention, tools and technologies to put these approaches into action, and information on a wide range of specific areas within the field of physical security. These include school and campus security, cargo security, access control, the increasingly violent healthcare security environment, and prevention or mitigation of terrorism and natural disasters. * Covers every important topic in the field, including the latest on wireless security applications, data analysis and visualization, situational crime prevention, and global security standards and compliance issues * Required reading for the certification DHS selected for its infrastructure security professionals * Each chapter is contributed by a top security professional with subject-matter expertise

Human-Computer Interaction. Design and User Experience Case Studies Jan 05 2020 The three-volume set LNCS 12762, 12763, and 12764 constitutes the refereed proceedings of the Human Computer Interaction thematic area of the 23rd International Conference on Human-Computer Interaction, HCII 2021, which took place virtually in July 2021. The total of 1276 papers and 241 posters included in the 39 HCII 2021 proceedings volumes was carefully reviewed and selected from 5222 submissions. The 139 papers included in this HCI 2021 proceedings were organized in topical sections as follows: Part I, Theory, Methods and Tools: HCI theory, education and practice; UX evaluation methods, techniques and tools; emotional and persuasive design; and emotions and cognition in HCI Part II, Interaction Techniques and Novel Applications: Novel interaction techniques; human-robot interaction; digital wellbeing; and HCI in surgery Part III, Design and User Experience Case Studies: Design case studies; user experience and technology acceptance studies; and HCI, social distancing, information, communication and work

Retail Crime, Security, and Loss Prevention Sep 24 2021 Retail Crime, Security, and Loss Prevention is destined to become the "go to" source of crime- and loss prevention- related information in the retail industry. Written and edited by two nationally recognized retail security experts and enhanced with 63 contributions by others who contribute expertise in specialized areas, this book provides over 150 definitions of loss prevention terms, and discusses topics ranging from accident investigations, counterfeit currency, emergency planning, and workplace violence to vendor frauds. No other single work contains such a wealth of retail security information. The co-authors are Charles "Chuck" Sennewald, CSC, CPP former Director of Security at The Broadway Department Stores, a major division of Carter Hawley Hale Stores, Inc., founder of the IAPSC and author of numerous security industry books, and John Christman, CPP, former VP and Director of Security for Macy's West. They have put in one book a wealth of information, techniques, procedures and source material relative to retail crime and loss prevention which will prove an invaluable reference work for professionals at all levels within the industry. Tables, current industry figures, and statistics fully articulate the impact of loss prevention and theft in the retail setting Case examples from the authors' own experience illustrate real-world problems and connect theory to practice The most complete book available on retail security

Data Mining In Time Series And Streaming Databases Jun 29 2019 This compendium is a completely revised version of an earlier book, Data Mining in Time Series Databases, by the same editors. It provides a unique collection of new articles written by leading experts that account for the latest developments in the field of time series and data stream mining. The emerging topics covered by the book include weightless neural modeling for mining data streams, using ensemble classifiers for imbalanced and evolving data streams, document stream mining with active learning, and many more. In particular, it addresses the domain of streaming data, which has recently become one of the emerging topics in Data Science, Big Data, and related areas. Existing titles do not provide sufficient information on this topic. Contents: Streaming Data Mining with Massive Online Analytics (MOA) (Albert Bifet, Jesse Read, Geoff Holmes and Bernhard Pfahringer)Weightless Neural Modeling for Mining Data Streams (Douglas O Cardoso, João Gama and Felipe França)Ensemble Classifiers for Imbalanced and Evolving Data Streams (Dariusz Brzezinski and Jerzy Stefanowski)Consensus Learning for Sequence Data (Andreas Nienkötter and Xiaoyi Jiang)Clustering-Based Classification of Document Streams with Active Learning (Mark Last, Maxim Stoliar and Menahem Friedman)Supporting the Mining of Big Data by Means of Domain Knowledge During the Pre-mining Phases (Rémon Cornelisse and Sunil Choenni)Data Analytics: Industrial Perspective & Solutions for Streaming Data (Mohsin Munir, Sebastian Baumbach, Ying Gu, Andreas Dengel and Sheraz Ahmed) Readership: Researchers, academics, professionals and graduate students in artificial intelligence, machine learning, databases, and information science. Keywords: Time Series;Data Streams;Big Data;Internet of Things;Concept Drift;Sequence Mining;Episode Mining;Incremental Learning;Active LearningReview:0

Go H*ck Yourself Oct 02 2019 Learn firsthand just how easy a cyberattack can be. Go H*ck Yourself is an eye-opening, hands-on introduction to the world of hacking, from an award-winning cybersecurity coach. As you perform common attacks against yourself, you'll be shocked by how easy they are to carry out—and realize just how vulnerable most people really are. You'll be guided through setting up a virtual hacking lab so you can safely try out attacks without putting yourself or others at risk. Then step-by-step instructions will walk you through executing every major type of attack, including physical access hacks, Google hacking and reconnaissance, social engineering and phishing, malware, password cracking, web hacking, and phone hacking. You'll even hack a virtual car! You'll experience each hack from the point of view of both the attacker and the target. Most importantly, every hack is grounded in real-life examples and paired with practical cyber defense tips, so you'll understand how to guard against the hacks you perform. You'll learn: • How to practice hacking within a safe, virtual environment • How to use popular hacking tools the way real hackers do, like Kali Linux, Metasploit, and John the Ripper • How to infect devices with malware, steal and crack passwords, phish for sensitive information, and more • How to use hacking skills for good, such as to access files on an old laptop when you can't remember the password • Valuable strategies for protecting yourself from cyber attacks You can't truly understand cyber threats or defend against them until you've experienced them firsthand. By hacking yourself before the bad guys do, you'll gain the knowledge you need to keep you and your loved ones safe.

The Visible Employee Mar 19 2021 The misuse of an organization's information systems by employees, whether through error or by intent, can result in leaked and

corrupted data, crippled networks, lost productivity, legal problems, and public embarrassment. As organizations turn to technology to monitor employee use of network resources, they are finding themselves at odds with workers who instinctively feel their privacy is being invaded. The Visible Employee reports the results of an extensive four-year research project, covering a range of security solutions for at-risk organizations as well as the perceptions and attitudes of employees toward monitoring and surveillance. The result is a wake-up call for business owners, managers, and IT staff, as well as an eye-opening dose of reality for employees.

10 Quick Tips About Internet Security That Hackers Don't Want You to Know   Mar 07 2020 According to many Internet experts, Internet and security concerns are foremost on people's minds nowadays. With all of the security and Internet stories about identity theft, Internet worms, Trojan horse viruses, and spyware, everyone wants to make sure that they have the best Internet security available. The problem is that the Internet is still a fairly new technology. Even the most tech savvy of us usually don't know how it works, or how to adequately protect ourselves. In general, we are stuck taking the advice of anyone who will give it to us. We take their word about what are the best Internet and security solutions without really knowing how to investigate it ourselves. In general, we don't know where Internet security problems start, or how to fix them. GRAB A COPY OF THIS EBOOK TODAY

Advances in Home Care Technologies   Feb 04 2020 An ageing population is burdening social and healthcare services around the world, and this problem is likely to get worse as the percentage of older people continues to rise. Many governments are already responding to this challenge, and a key element in their strategies is the development and deployment of computer-based telecare and telehealth technologies to support care at home in a cost-effective manner. Human involvement in care continues to be central, but home care technologies can offer reassurance, and support routine aspects, to the benefit of all concerned. This book provides an up-to-date overview of key advances in the relevant technology, with an in-depth examination of the latest research in various home care technologies by experts in the field. The book mainly discusses the results of the Mobilising Advanced Technologies for Care at Home (MATCH) project, co-ordinated by the University of Stirling in Scotland, but work on related projects is also included. The book will be of interest to all researchers and practitioners in the fields of telecare and telehealth, policymakers in these areas, and providers of social and healthcare with an interest in technology.

Handbook of Research on the Internet of Things Applications in Robotics and Automation   Jul 03 2022 With near-universal internet access and ever-advancing electronic devices, the ability to facilitate interactions between various hardware and software provides endless possibilities. Though internet of things (IoT) technology is becoming more popular among individual users and companies, more potential applications of this technology are being sought every day. There is a need for studies and reviews that discuss the methodologies, concepts, and possible problems of a technology that requires little or no human interaction between systems. The Handbook of Research on the Internet of Things Applications in Robotics and Automation is a pivotal reference source on the methods and uses of advancing IoT technology. While highlighting topics including traffic information systems, home security, and automatic parking, this book is ideally designed for network analysts, telecommunication system designers, engineers, academicians, technology specialists, practitioners, researchers, students, and software developers seeking current research on the trends and functions of this life-changing technology.

End-User Development   Jul 31 2019 This book constitutes the refereed proceedings of the 7th International Symposium on End-User Development, IS-EUD 2017, held in Hatfield, UK, in July 2019. The 9 full papers and 8 short papers presented were carefully reviewed and selected from 35 submissions. The papers discuss progress in research around end-user development through, or towards, methods, socio-technical environments, intelligent agents, as well as the most effective end-user programming paradigms for smart environments. Papers and submissions in all categories addressed this specific theme together with topics that have been traditionally covered by the broader themes of end-user development, such as domain specific tools, spreadsheets, educational applications, and end user aspects.

Passive and Active Measurement   Nov 26 2021 This book constitutes the proceedings of the 19th International Conference on Passive and Active Measurement, PAM 2018, held in Berlin, Germany, in March 2018. The 20 full papers presented in this volume were carefully reviewed and selected from 50 submissions. The papers demonstrate the import and extent to which measurements pervade systems – from protocols to performance to security. They are organized in the following topical sections: models and inference; security and privacy; CDNs; DNS; certificates; interdomain routing; and analyzing protocols.

The Frankencamera   Feb 27 2022 Digital cameras, both in traditional form factors and as parts of cell phones, have become ubiquitous over the last decade. But for the most part, they remain black boxes to the end-user, and cannot be reprogrammed or modified. This has become an obstacle to researchers in the new field of computational photography, who want to use the growing computing power of digital cameras to create images no traditional camera could produce. This dissertation presents the Frankencamera platform, a digital camera system designed for computational photography. The Frankencamera is a fully open, fully programmable digital camera, which can be easily modified to test out new research ideas. The Frankencamera architecture allows for per-frame control of the capture process, and accurate synchronization of all the components that make up the camera. Based on this architecture, this dissertation details two hardware platforms: the F2, a flexible custom-built camera; and the Nokia N900, a commercial smartphone. Both platforms can be easily programmed at a high level using the FCam API, written to embody the Frankencamera architecture. Finally, this dissertation presents several sample applications for the Frankencamera platform. Several of these applications could not have been developed for any existing camera platform, and the ease and speed at which they were written show that the Frankencamera platform is a compelling tool for computational photography.

Playful User Interfaces   Jan 17 2021 The book is about user interfaces to applications that have been designed for social and physical interaction. The interfaces are 'playful', that is, users feel challenged to engage in social and physical interaction because that will be fun. The topics that will be present in this book are interactive playgrounds, urban games using mobiles, sensor-equipped environments for playing, child-computer interaction, tangible game interfaces, interactive tabletop technology and applications, full-body interaction, exertion games, persuasion, engagement, evaluation and user experience. Readers of the book will not only get a survey of state-of-the-art research in these areas, but the chapters in this book will also provide a vision of the future where playful interfaces will be ubiquitous, that is, present and integrated in home, office, recreational, sports and urban environments, emphasizing that in the future in these environments game elements will be integrated and welcomed.

CCTV for Security Professionals   Dec 28 2021 CCTV for Security Professionals provides the information necessary to design the ideal CCTV system. The chapters are stand-alone sources of information on their subjects and are presented in logical sequence to guide the reader from basic principles to more complex for a complete system understanding. In his straight-forward and informative text, Alan Matchett approaches the camera systems from the user's point of view, providing the security manager with the knowledge to discuss the system, its desired features, and the areas of design concern within the context of an organization's business model. This can prove to be invaluable when evaluating an existing system, the use and components of a given system, or in evaluating a system design proposed by a vendor. Installers and service personnel will benefit from the functions and possibilities that are available with the various components and by gaining an understanding of their customers' needs. Newer technicians will learn how to set up the system properly, and can familiarize themselves with the technologies that go into a CCTV system. Security equipment sales personnel will also gain a better knowledge of the customer's needs as well as learn to determine exactly what questions they should be asking the customer and what the customer's responses mean. In this manner, the book will offer invaluable tips to ensure customers get exactly what they expect in a system. * Provides a detailed explanation of CCTV components and the technology behind analog and digital CCTV systems. * Establishes a "common language" for security professionals, CCTV system designers and sales personnel to use as a basis for system design. * Provides a clear explanation of the design process and design principles.

Blink Mini Camera User Guide   Nov 07 2022 A large number of security cameras are now capable of meeting the majority of people's home security demands. Choosing the right security equipment, however, can appear to be a daunting undertaking with so many alternatives accessible. This is especially frustrating if you're on a tight budget. Whether you're concerned about intruders or want to keep an eye on your children and pets while you're away, an indoor security camera system is worth considering. Over the last five years, technology has advanced by leaps and bounds, and competition has driven down prices. Is not just about getting a security camera but also knowing how to effectively use it. This book titled "Blink Mini Camera User Guide by Walker U. Pugh" will help you to be able To Master Your Blink Mini security Camera - It will help you on how to Setup the camera - How to mount it - How to Connect your Blink mini Account To Your Amazon Account - How to connect with Echo Show - How to connect with Phone - How to connect with Alexa - Blink Tips, Tricks, Fixes, And Troubleshooting, among others CLICK on the BUY button NOW