

Online Library Windows 10 IoT Core II Manuale Per Maker Pdf Free Copy

Windows 10 IoT core. Il manuale per maker Compact and Fast Machine Learning Accelerator for IoT Devices Raspberry Pi IoT-enabled Unobtrusive Surveillance Systems for Smart Campus Safety 5G-Enabled Industrial IoT Networks Maker Open Source C# 7.1 and .NET Core 2.0 – Modern Cross-Platform Development Internet of Things and the Law The Internet of Things in the Cloud Internal Report HCI International 2023 Posters Raspberry Pi Mastering Windows Vista Business Security and Privacy in the Internet of Things Le grand livre d'Arduino IoT for Defense and National Security Raspberry pi dalla A alla Z Artificial Intelligence-based Internet of Things Systems ASP.NET Core 2 High Performance Porro Carmine - Microsoft Raspberry Pi et l'ESP 8266 pour la domotique Voice technology. Le nuove sfide del marketing conversazionale e della digital transformation IoT as a Service Internet of Things. User-Centric IoT Internet of Things Projects with ESP32 IoT and Low-Power Wireless Legal teck, Contract re-design & Big data per professionisti e imprese C# 6 and .NET Core 1.0: Modern Cross-Platform Development Raspberry Pi et Windows IoT Core IoT and Big Data Technologies for Health Care C# 7 and .NET Core: Modern Cross-Platform Development Principles and Practice of Blockchains Pensare come Amazon Intelligenza artificiale: la quarta rivoluzione industriale Design a Scalable and Secure Ndn-based Data Retrieval Framework for Internet of Things Investire nei megatrend del futuro Microsoft Word 2016 - Corso completo ASP.NET Core 2 Cloud et transformation digitale - 6e éd European Romanticism

IoT and Big Data Technologies for Health Care Mar 05 2021

This two-volume set of LNICST 414 and 415 constitutes the refereed post-conference proceedings of the 2nd International Conference on IoT and Big Data Technologies for Health Care, IoT CARE 2021, which took place in October 2021. Due to COVID-19 pandemic the conference was held virtually. The 79 revised full papers were carefully reviewed and selected from 165 submissions. The papers are arranged thematically as follows: Integrating healthcare with IoT; Information fusion for the devices of IoT; AI-based internet of medical things.

Intelligenza artificiale: la quarta rivoluzione industriale Oct 31 2020

La quarta rivoluzione industriale rappresenta un cambiamento fondamentale nel modo in cui viviamo, lavoriamo e ci relazioniamo l'un l'altro. È un nuovo capitolo dello sviluppo umano, reso possibile da straordinari progressi tecnologici commisurati a quelli della prima, seconda e terza rivoluzione industriale. Questi progressi stanno fondendo i mondi fisico, digitale e biologico in modi che creano sia enormi promesse che potenziali pericoli. La velocità, l'ampiezza e la profondità di questa rivoluzione ci stanno costringendo a ripensare il modo in cui i paesi si sviluppano, come le organizzazioni creano valore e persino cosa significa essere umani. L'intelligenza artificiale oggi è propriamente nota come AI stretta (o AI debole), in quanto è progettata per svolgere un compito ristretto (ad esempio solo il riconoscimento facciale o solo ricerche su Internet o solo alla guida di un'auto). Tuttavia, l'obiettivo a lungo termine di molti ricercatori è quello di creare un'IA generale (AGI o AI forte). Mentre l'IA ristretta può superare gli umani in qualunque sia il loro compito specifico, come giocare a scacchi o risolvere equazioni, l'AGI supererebbe gli umani in quasi tutti i compiti cognitivi.

Internal Report Nov 24 2022

Compact and Fast Machine Learning Accelerator for IoT

Devices Aug 02 2023 This book presents the latest techniques for machine learning based data analytics on IoT edge devices. A comprehensive literature review on neural network compression and machine learning accelerator is presented from both algorithm level optimization and hardware architecture optimization. Coverage focuses on shallow and deep neural network with real applications on smart buildings. The authors also discuss hardware architecture design with coverage focusing on both CMOS based computing systems and the new emerging Resistive Random-Access Memory (RRAM) based systems. Detailed case studies such as indoor positioning, energy management and intrusion detection are also presented for smart buildings.

The Internet of Things in the Cloud Dec 26 2022 Although the Internet of Things (IoT) is a vast and dynamic territory that is evolving rapidly, there has been a need for a book that offers a holistic view of the technologies and applications of the entire IoT spectrum. Filling this void, *The Internet of Things in the Cloud: A Middleware Perspective* provides a comprehensive introduction to the IoT and its development worldwide. It gives you a panoramic view of the IoT landscape—focusing on the overall technological architecture and design of a tentatively unified IoT framework underpinned by Cloud computing from a middleware perspective. Organized into three sections, it: Describes the many facets of Internet of Things—including the four pillars of IoT and the three layer value chain of IoT Focuses on middleware, the glue and building blocks of a holistic IoT system on every layer of the architecture Explores Cloud computing and IoT as well as their synergy based on the common background of distributed processing The book is based on the author's two previous bestselling books (in Chinese) on IoT and Cloud computing and more than two decades of hands-on software/middleware programming and architecting experience at organizations such as

the Oak Ridge National Laboratory, IBM, BEA Systems, and Silicon Valley startup Doubletwin. Tapping into this wealth of knowledge, the book categorizes the many facets of the IoT and proposes a number of paradigms and classifications about Internet of Things' mass and niche markets and technologies.

Raspberry Pi et Windows IoT Core Apr 05 2021 Réunir Windows et Raspberry Pi peut paraître à la fois farfelu et impossible. C'est pourtant ce qu'a réussi Microsoft avec Windows IoT Core, permettant aux développeurs .NET d'utiliser leurs compétences avec le nano-ordinateur qu'on ne présente plus. Le but de cet ouvrage est de guider ces développeurs .NET, confirmés ou débutants, dans ce nouveau monde de l'informatique embarquée. Après une présentation matérielle de la carte Raspberry Pi, le lecteur pourra installer et découvrir toutes les facettes de ce nouveau système d'exploitation qu'est Windows IoT Core, ainsi que ses outils indispensables comme Visual Studio. Un large chapitre est consacré à la façon d'interagir avec le monde réel et extérieur en utilisant les différentes connexions électroniques du Raspberry Pi, sans oublier de donner quelques notions de base en électronique. L'auteur propose ensuite la réalisation de trois projets concrets. Tout d'abord la réalisation d'un créateur de liste de courses, alliant lecture de code-barres et impression. Dans le second projet, le lecteur se familiarisera avec l'acquisition d'images et la géolocalisation en réalisant un petit appareil photo capable de générer des images jpeg avec position géographique embarquée. Enfin, il est impossible de laisser de côté le formidable potentiel de la carte pour des réalisations de mesures régulières de notre environnement quotidien. C'est l'objectif du dernier projet : réaliser des mesures de température, d'humidité, de pression, de luminosité, qu'elles soient intérieures ou extérieures au logement, et suivre sa consommation d'électricité. Tout au long de l'ouvrage, l'expérience de l'auteur

éclaire le lecteur sur les choix matériels et les principes de programmation issus du monde professionnel, en veillant à toujours alléger le fonctionnement de l'application afin qu'elle reste efficace et économique. Les techniques de codage et de connexion électronique sont détaillées et expliquées de manière à bien comprendre le résultat obtenu pour, au final, permettre au lecteur de réutiliser les concepts, d'améliorer ou d'adapter les projets pour se lancer dans le Do It Yourself !. Des éléments complémentaires sont en téléchargement sur le site www.editions-eni.fr. Les chapitres du livre : Avant-propos - Le Raspberry Pi - Windows IoT Core - Interagir avec le monde extérieur - Créateur de listes de courses - Caméra géolocalisée - Centrale de mesure domestique

Internet of Things. User-Centric IoT Sep 10 2021 The two-volume set LNICST 150 and 151 constitutes the thoroughly refereed post-conference proceedings of the First International Internet of Things Summit, IoT360 2014, held in Rome, Italy, in October 2014. This volume contains 74 full papers carefully reviewed and selected from 118 submissions at the following four conferences: the First International Conference on Cognitive Internet of Things Technologies, COIOTE 2014; the First International Conference on Pervasive Games, PERGAMES 2014; the First International Conference on IoT Technologies for HealthCare, HealthyIoT 2014; and the First International Conference on IoT as a Service, IoTaaS 2014. The papers cover the following topics: user-centric IoT; artificial intelligence techniques for the IoT; the design and deployment of pervasive games for various sectors, such as health and wellbeing, ambient assisted living, smart cities and societies, education, cultural heritage, and tourism; delivery of electronic healthcare; patient care and medical data management; smart objects; networking considerations for IoT; platforms for IoTaaS; adapting to the IoT

environment; modeling IoTaaS; machine to machine support in IoT.

Artificial Intelligence-based Internet of Things Systems Mar 17 2022 The book discusses the evolution of future generation technologies through Internet of Things (IoT) in the scope of Artificial Intelligence (AI). The main focus of this volume is to bring all the related technologies in a single platform, so that undergraduate and postgraduate students, researchers, academicians, and industry people can easily understand the AI algorithms, machine learning algorithms, and learning analytics in IoT-enabled technologies. This book uses data and network engineering and intelligent decision support system-by-design principles to design a reliable AI-enabled IoT ecosystem and to implement cyber-physical pervasive infrastructure solutions. This book brings together some of the top IoT-enabled AI experts throughout the world who contribute their knowledge regarding different IoT-based technology aspects.

IoT for Defense and National Security May 19 2022 IoT for Defense and National Security Practical case-based guide illustrating the challenges and solutions of adopting IoT in both secure and hostile environments IoT for Defense and National Security covers topics on IoT security, architecture, robotics, sensing, policy, operations, and more, including the latest results from the premier IoT research initiative of the U.S. Defense Department, the Internet of Battle Things. The text also discusses challenges in converting defense industrial operations to IoT and summarizes policy recommendations for regulating government use of IoT in free societies. As a modern reference, this book covers multiple technologies in IoT including survivable tactical IoT using content-based routing, mobile ad-hoc networks, and electronically formed beams. Examples of IoT architectures include using KepServerEX for edge connectivity and AWS IoT Core and

Amazon S3 for IoT data. To aid in reader comprehension, the text uses case studies illustrating the challenges and solutions for using robotic devices in defense applications, plus case studies on using IoT for a defense industrial base. Written by leading researchers and practitioners of IoT technology for defense and national security, *IoT for Defense and National Security* also includes information on: Changes in warfare driven by IoT weapons, logistics, and systems IoT resource allocation (monitoring existing resources and reallocating them in response to adversarial actions) Principles of AI-enabled processing for Internet of Battlefield Things, including machine learning and inference Vulnerabilities in tactical IoT communications, networks, servers and architectures, and strategies for securing them Adapting rapidly expanding commercial IoT to power IoT for defense For application engineers from defense-related companies as well as managers, policy makers, and academics, *IoT for Defense and National Security* is a one-of-a-kind resource, providing expansive coverage of an important yet sensitive topic that is often shielded from the public due to classified or restricted distributions.

[ASP.NET Core 2](#) Jun 27 2020 Scritta per guidare gli sviluppatori alla scoperta di ASP.NET Core 2, il nuovo framework per il web cross platform e open source rilasciato da Microsoft, questa guida completa include tutte le ultime novità introdotte da ASP.NET Core e dalle tecnologie a corredo di applicazioni web, come Angular o l'accesso ai database. Dalle basi di ASP.NET Core 2 ai concetti legati ad ASP.NET Core MVC, all'accesso ai dati, passando per identity e arrivando fino a JavaScript, Angular e tecnologie client-side, questo libro - con uno stile pratico e ricco di esempi - accompagna il lettore alla scoperta di tutte le caratteristiche che rendono ASP.NET Core uno dei toolkit più interessanti per sviluppare applicazioni web.

Raspberry Pi Jul 01 2023 Piccolo ed economico, Raspberry Pi è il sogno di qualunque appassionato di informatica e di robotica: basato su software open source, questo microcomputer si alimenta come uno smartphone, è completamente programmabile e ha un costo alla portata di tutti. Questo manuale accompagna alla scoperta e all'utilizzo di Raspberry Pi in applicazioni didattiche e hobbistiche prendendo come riferimento sia la prima generazione di Raspberry Pi nelle versioni Model A+ e Model B+, sia il più recente Raspberry Pi 2 Model B. Da qui si parte per installare e configurare il sistema operativo, scoprire i software per la progettazione e lo sviluppo e lavorare con l'imprescindibile porta GPIO. Il testo è arricchito da esempi di progetti completi e si conclude con una parte dedicata all'uso di Raspberry Pi 2 con Windows 10 IoT, ovvero la versione di Windows dedicata ai maker.

Microsoft Word 2016 - Corso completo Jul 29 2020 Con il manuale "Microsoft Word 2016 – Corso completo" l'utente scoprirà come: adoperare efficacemente l'interfaccia grafica del programma, inserire, gestire e formattare il testo, collocare gli elementi grafici, verificare l'aspetto di un documento grazie alle opzioni di stampa, disporre il contenuto in colonne, creare collegamenti e sistemi di riferimento, coordinarsi con altri utenti per la redazione di elaborati complessi, proteggere un file di Word, utilizzare strumenti avanzati come campi, macro, moduli e stampa unione.

Rasperry PI Sep 22 2022 Nato come un metodo facile e divertente per giovani appassionati, il piccolo ma straordinario Raspberry Pi, con oltre 9 milioni di unità vendute, è diventato presto un fenomeno che interessa tutte le età. Raspberry Pi. La guida ufficiale vi offre tutto quello che dovete sapere sul vostro Raspberry Pi, con istruzioni passo passo realizzate dal creatore del Pi stesso, un autentico guru nel settore. Questo computer dalle dimensioni simili a quelle di una carta di credito può essere usato

per qualunque attività: dalla riproduzione di video HD, all'hacking dell'hardware, fino alla programmazione vera e propria. Non avete esperienza? Nessun problema! Le istruzioni chiare e i suggerimenti pratici vi guideranno attraverso i vari passaggi, così che possiate ottenere il massimo dal vostro Raspberry Pi. Aggiornato alle ultime versioni della scheda Raspberry Pi e del relativo software, questa nuova edizione ti mostrerà come: installare il software e connettere display, audio, rete e molto altro; padroneggiare la terminologia e le convenzioni di Linux; scrivere il vostro software usando Scratch e Python; installare, eseguire ed esplorare Minecraft Pi Edition; eseguire l'hacking dell'hardware e risolvere i problemi più comuni; personalizzare il Pi con software, hardware e configurare la rete; estendere le capacità del Pi con add-on come i dongle Wi-Fi, un touch screen e molto altro ancora.

Mastering Windows Vista Business Aug 22 2002 Learn to install, configure, run, and troubleshoot the professional versions of Vista in this comprehensive new guide from two leading Windows authorities. From Vista's all-new interface, 32-bit/64-bit architecture, and advanced security features to its fantastic new capabilities for audio and video recording, editing, and broadcasting, you'll get the techniques and task-by-task instruction you need to master this dramatically different OS.

Security and Privacy in the Internet of Things Jul 21 2022 This book provides a comprehensive study of the security and privacy research advancements in Internet of Things (IoT). The book lays the context for discussion by introducing the vulnerable intrinsic features of IoT. By providing a comprehensive discussion of the vulnerable features, the book highlights the problem areas of IoT related to security and privacy. • Covers all aspects of security • Algorithms, protocols and technologies used in IoT have been explained and the security flaws in them analyzed with solutions • Discusses ways for achieving better access control and trust in the

IoT ecosystem • Contributes exhaustive strategic plans to deal with security issues of IoT • Gathers contributions from leading-edge researchers from academia and industry Graduates, researchers, people from the industry and security professionals who want to explore the IoT security field will find this book useful. The book will give an in-depth insight in to what has happened, what new is happening and what opportunities exist in the field.

Legal teck, Contract re-design & Big data per professionisti e imprese Jun 07 2021 Il volume illustra il procedimento del cosiddetto 'Change management' per gli studi legali spiegando: cosa sia esattamente uno smart contract: funzioni e validità giuridica il mondo dei Big Data: come analizzarli in maniera efficace, quali le risorse e i limiti di utilizzo come arrivare alla Data monetization strategy, che, ad oggi, rimane, ancora in gran parte, inesplorata. Lo scenario pandemico ha infatti richiesto una sostanziale inversione del modo di lavorare di tutti. Gli studi legali non sono da meno. Il volume è un efficace supporto che risponde alle seguenti domande: Come gestire uno studio legale in maniera dematerializzata? Qual è il modello di legale e avvocato 4.0 dopo gli eventi del 2020? Come far fronte a situazioni impreviste ed impostare piani di continuità operativa, che guidino nel rispondere, recuperare, riprendere e ripristinare a un livello predefinito le attività a seguito di un'interruzione?

Principles and Practice of Blockchains Jan 03 2021 This book provides an essential compilation of relevant and cutting edge academic and industry work on key Blockchain topics. This book concentrates on a wide range of advances related to Blockchains which include, among others, Blockchain principles, architecture and concepts with emphasis on key and innovative theories, methodologies, schemes and technologies of Blockchain, Blockchain platforms and architecture, Blockchain protocols, sensors and devices for Blockchain, Blockchain foundations, and

reliability analysis of Blockchain-based systems. Further, it provides a glimpse of future directions where cybersecurity applications are headed. The book is a rich collection of carefully selected and reviewed manuscripts written by diverse cybersecurity application experts in the listed fields and edited by prominent cybersecurity applications researchers and specialists.

Raspberry Pi et l'ESP 8266 pour la domotique Dec 14 2021 Le micro-ordinateur Raspberry Pi est un outil simple et puissant pour des installations domotiques. L'ESP 8266 est une puce Wifi compacte qui permet au Raspberry de communiquer sans fil. Ce composant, facile à programmer et bon marché (5 euros), possède un microprocesseur 32 bits qui le rend parfaitement autonome. Cela fait du système Raspberry Pi + ESP 8266 le couple idéal pour des applications de domotique ou d'Internet des objets. Cet ouvrage détaille la réalisation d'une vingtaine de montages qui seront faciles à réaliser pour les makers.

Raspberry pi dalla A alla Z Apr 17 2022 Gli appassionati di tutto il mondo usano il Raspberry Pi per vari progetti come Media center o per realizzare una console per giochi retrò così come la riproduzione multimediale di video HD. Oppure si può utilizzare il dispositivo come un server Web, un server di stampa, una telecamera di stop motion, una fotocamera time-lapse digitale, un server di visualizzazione foto, un controller NAS, un computer per la domotica. Le possibilità sono infinite! In questo libro verrà spiegato passo per passo cosa è Raspberry Pi, quali sono i suoi accessori e le sue caratteristiche, come installare il sistema operativo Raspbian, come programmare in Python ed in Node-RED per realizzare progetti semplici e complessi. Vedremo come far interagire Raspberry Pi con il mondo esterno con l'uso di sensori, relè, altre schede come Arduino, videocamere, e display. Come creare applicazioni IoT che si aggiornano in tempo reale e consultabili da remoto tramite connessione ad internet. E molto

altro ancora.

Windows 10 IoT core. Il manuale per maker Sep 03 2023
C# 6 and .NET Core 1.0: Modern Cross-Platform Development
May 07 2021 Create powerful cross-platform applications using C# 6, .NET Core 1.0, ASP.NET Core 1.0, and Visual Studio 2015

About This Book Build modern, cross-platform applications with .NET Core 1.0 Get up-to-speed with C#, and up-to-date with all the latest features of C# 6 Start creating professional web applications with ASP.NET Core 1.0 Who This Book Is For Are you struggling to get started with C#? Or maybe you're interested in the potential of the new cross-platform features that .NET Core can offer? If so, C# 6 and .NET Core 1.0 is the book for you. While you don't need to know any of the latest features of C# or .NET to get started, it would be beneficial if you have some programming experience.

What You Will Learn Build cross-platform applications using C# 6 and .NET Core 1.0 Explore ASP.NET Core 1.0 and learn how to create professional web applications Improve your application's performance using multitasking Use Entity Framework Core 1.0 and learn how to build Code-First databases Master object-oriented programming with C# to increase code reuse and efficiency Familiarize yourself with cross-device app development using the Universal Windows Platform and XAML Query and manipulate data using LINQ Protect your data by using encryption and hashing In Detail With the release of .NET Core 1.0, you can now create applications for Mac OS X and Linux, as well as Windows, using the development tools you know and love. C# 6 and .NET Core 1.0 has been divided into three high-impact sections to help start putting these new features to work. First, we'll run you through the basics of C#, as well as object-oriented programming, before taking a quick tour through the latest features of C# 6 such as string interpolation for easier variable value output, exception filtering, and how to perform static class imports. We'll

also cover both the full-feature, mature .NET Framework and the new, cross-platform .NET Core. After quickly taking you through C# and how .NET works, we'll dive into the internals of the .NET class libraries, covering topics such as performance, monitoring, debugging, internationalization, serialization, and encryption. We'll look at Entity Framework Core 1.0 and how to develop Code-First entity data models, as well as how to use LINQ to query and manipulate that data. The final section will demonstrate the major types of applications that you can build and deploy cross-device and cross-platform. In this section, we'll cover Universal Windows Platform (UWP) apps, web applications, and web services. Lastly, we'll help you build a complete application that can be hosted on all of today's most popular platforms, including Linux and Docker. By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET Core. **Style and approach** This book takes a step-by-step approach and is filled with exciting projects and fascinating theory. It uses three high-impact sections to equip you with all the tools you'll need to build modern, cross-platform applications using C# and .NET Core.

5G-Enabled Industrial IoT Networks Apr 29 2023 This one-of-a-kind book gives you an exclusive look into how the “Industrial Internet of Things” (IIoT) convergence with the 5G end-to-end network is driving the 4th industrial revolution and bringing about game-changing developments in multiple industries. The book shows you how 5G-driven IIoT networks can deliver optimal performance for all industrial applications using key LTE and 5G NR features, and helps you understand how IIoT with 5G can be used to automate factories and make them more cost efficient. Detailed chapters take you through the current knowledge available on this breakthrough technology and give you access to expert discussions on: key use cases and corresponding target

requirements; IIoT standards and alliances; end-to-end architecture for IIoT; IIoT enablers for 5G new radio; performance of select IIoT use cases; and machine learning enabled IIoT networks. The book pulls together in one resource key cases and knowledge you need to fully understand how 5G enabled IIoT is transforming global industries. You will be conversant with the end-to-end technology enablers for IIoT, learn how 5G new radio features enhance the system performance of IIoT networks, and gain a deeper understanding of the role of machine learning in the IIoT revolution. With its international scope and focus on 5G IIoT networks and performance, this is an important read for global technology leaders in telecom and manufacturing industries, analysts and technical writers for various industry magazines and newspapers, telecom researchers, and anyone needing to understand the current state of the art in this rapidly developing technology.

European Romanticism Apr 25 2020 Romanticism was always culturally diverse. Though English-language anthologies have previously tended to see Romanticism as predominantly British, the term itself actually originated in Germany, where it became the banner of a Europe-wide movement involving the profound intellectual and aesthetic changes which we now associate with modernity. This anthology is the first to place British Romanticism within a comprehensive and multi-lingual European context, showing how ideas and writers interconnected across national and linguistic boundaries. By reprinting everything in the original languages, together with an English translation of all non-English material in parallel on the opposite page, it offers a new intellectual map of Romanticism. Material is thematically arranged as follows: - Art & Aesthetics - The Self - History - Language - Hermeneutics & Theology - Nature - The Exotic - Science While focusing on European texts, the inclusion of essays on their North American

and Japanese reception means that Romanticism can be seen as a global phenomenon, influencing a surprising number of the ways in which the modern world sees itself.

IoT-enabled Unobtrusive Surveillance Systems for Smart

Campus Safety May 31 2023 IoT-enabled Unobtrusive Surveillance Systems for Smart Campus Safety Enables readers to understand a broad area of state-of-the-art research in physical IoT-enabled security IoT-enabled Unobtrusive Surveillance Systems for Smart Campus Safety describes new techniques in unobtrusive surveillance that enable people to act and communicate freely, while at the same time protecting them from malevolent behavior. It begins by characterizing the latest on surveillance systems deployed at smart campuses, miniatures of smart cities with more demanding frameworks that enable learning, social interaction, and creativity, and by performing a comparative assessment in the area of unobtrusive surveillance systems for smart campuses. A proposed taxonomy for IoT-enabled smart campus unfolds in five research dimensions: (1) physical infrastructure; (2) enabling technologies; (3) software analytics; (4) system security; and (5) research methodology. By applying this taxonomy and by adopting a weighted scoring model on the surveyed systems, the book presents the state of the art and then makes a comparative assessment to classify the systems. Finally, the book extracts valuable conclusions and inferences from this classification, providing insights and directions towards required services offered by unobtrusive surveillance systems for smart campuses. IoT-enabled Unobtrusive Surveillance Systems for Smart Campus Safety includes specific discussion of: Smart campus's prior work taxonomies and classifications, a proposed taxonomy, and an adopted weight scoring model Personal consumer benefits and potential social dilemmas encountered when adopting an unobtrusive surveillance system Systems that

focus on smart buildings, public spaces, smart lighting and smart traffic lights, smart labs, and smart campus ambient intelligence A case study of a spatiotemporal authentication unobtrusive surveillance system for smart campus safety and emerging issues for further research directions IoT-enabled Unobtrusive Surveillance Systems for Smart Campus Safety is an essential resource for computer science and engineering academics, professionals, and every individual who is working and doing research in the area of unobtrusive surveillance systems and physical security to face malevolent behavior in smart campuses.

HCI International 2023 Posters Oct 24 2022 The five-volume set CCIS 1832-1836 contains the extended abstracts of the posters presented during the 25th International Conference on Human-Computer Interaction, HCII 2023, which was held as a hybrid event in Copenhagen, Denmark, in July 2023. The total of 1578 papers and 396 posters included in the 47 HCII 2023 proceedings volumes were carefully reviewed and selected from the 7472 contributions. The posters presented in these five volumes are organized in topical sections as follows: Part I: ?HCI Design: Theoretical Approaches, Methods and Case Studies; Multimodality and Novel Interaction Techniques and Devices; Perception and Cognition in Interaction; Ethics, Transparency and Trust in HCI; User Experience and Technology Acceptance Studies. Part II: Supporting Health, Psychological Wellbeing, and Fitness; Design for All, Accessibility and Rehabilitation Technologies; Interactive Technologies for the Aging Population. Part III: ?Interacting with Data, Information and Knowledge; Learning and Training Technologies; Interacting with Cultural Heritage and Art. Part IV: ?Social Media: Design, User Experiences and Content Analysis; Advances in eGovernment Services; eCommerce, Mobile Commerce and Digital Marketing: Design and Customer Behavior; Designing and Developing Intelligent Green Environments; (Smart)

Product Design.Part V: ?Driving Support and Experiences in Automated Vehicles; eXtended Reality: Design, Interaction Techniques, User Experience and Novel Applications; Applications of AI Technologies in HCI.

Le grand livre d'Arduino Jun 19 2022 L'ouvrage de référence sur Arduino Avec son petit microcontrôleur hautement performant et facilement programmable, la carte Arduino a révolutionné le mouvement Do It Yourself. Se couplant aisément avec d'autres composants (écrans LCD, capteurs, mote

Design a Scalable and Secure Ndn-based Data Retrieval Framework for Internet of Things Sep 30 2020 Internet of Things (IoT) has great potential in enabling many beneficial applications (i.e., connected vehicle applications). Named Data Networking (NDN) recently emerges as a promising networking paradigm in supporting IoT due to its data-centric architecture. In this dissertation, we present our research on design a scalable, efficient and secure ndn-based data retrieval framework for Internet of Things. Our work includes three parts: First, we envision an NDN-based Connected Vehicles (CV) application framework with a distributed data service model, as CV is a typical scenario of IoT. The scalability of the framework is greatly challenged by the fast mobility and vast moving area of vehicles. To handle such an issue, we develop a novel hyperbolic hierarchical NDN backbone architecture (H2NDN) by exploiting the location dependency of CV applications. H2NDN designs the backbone routers topology and the data/interest namespace by following the hierarchical architecture of geographic locations. The efficient data searching only requires static forwarding information base (FIB) configuration over NDN routers. To avoid overloading high-level routers, H2NDN integrates hyperbolic routing through carefully designed hyperbolic planes. Second, a distributed adaptive caching strategy is proposed to improve the efficiency of data caches on NDN routers.

NDN provides native support to cache data at routers for future Interest packets. As we model the caching problem, the goal of cache allocation is to maximize the savings of Interest/Data forwarding hops under the limited cache space on each router. We discuss the impracticality of global optimization and provide the local caching method. Extensive ndnSIM based simulation with real traffic data proves the efficiency and scalability of the proposed H2NDN architecture. Finally, although NDN provides some security advantages such as secures data directly and uses name semantics to enable applications to reason about security, employing NDN to support IoT applications nevertheless presents some new challenges about security. In this dissertation, we focus on two resultant attacks that are not effectively handled in current studies, namely the targeted blackhole attack and the targeted content poisoning attack. We propose a lightweight and efficient approach named SmartDetour to tackle the two attacks. To ensure high scalability and collusion-resilience, SmartDetour lets each router respond to attacks (i.e., packet drops or corrupted data) independently in order to isolate attackers. The core solution contains a reputation-based probabilistic forwarding strategy and a proactive attacker detection algorithm. Extensive ndnSIM based simulation demonstrates the efficiency and accuracy of the proposed SmartDetour.

Pensare come Amazon Dec 02 2020 Cosa farebbe Jeff in questa situazione?” Da quando ha lasciato Amazon per diventare consulente di startup e grandi aziende, John Rossman si è sentito fare spesso questa domanda da manager alla ricerca del “segreto” per ripetere lo strabiliante successo di Amazon. In questa guida dettagliata Rossman insegna ai business leader di oggi a pensare come Amazon, definire strategie come Bezos e stracciare la concorrenza come nessun altro. Pensare come Amazon rivela come il colosso di Seattle centra sempre i risultati e

come pensa al suo business: la mentalità caratteristica e i meccanismi interni che garantiscono l'eccellenza operativa, l'approccio "dal basso" ai nuovi mercati digitali e le idee originali sull'innovazione. Rossman offre anche un prezioso punto di vista sulle ultime tecnologie come l'e-commerce marketing, sulla cultura delle Rete e sulla disruption legata all'Internet delle Cose. Un punto di vista privilegiato che solo un insider può avere. Se volete competere e vincere nell'era digitale, dovete Pensare come Amazon.

Maker Open Source Mar 29 2023 Per maker s'intende chi produce un manufatto in modo creativo, solitamente connesso con il mondo informatico. Il termine, che all'inizio era usato soprattutto nelle community di programmatori hardware open source e software, indica gli artigiani del Terzo millennio, appassionati di hi-tech, design, arte, modelli di business alternativi. Un maker non ha età, può essere l'adolescente appassionato di elettronica e informatica o il professionista. Per diventare un maker non c'è bisogno di studi particolari, l'importante è avere passione, avere voglia di fare. Questo libro è un libro per tutti, per ragazzi e ragazze che vogliono cimentarsi nel progettare e costruire i loro manufatti digitali; per chi si avvicina al mondo dei makers e all'elettronica per la prima volta e cerca un manuale di riferimento; per i professionisti per avere un testo da consultare.

Internet of Things and the Law Jan 27 2023 Internet of Things and the Law: Legal Strategies for Consumer-Centric Smart Technologies is the most comprehensive and up-to-date analysis of the legal issues in the Internet of Things (IoT). For decades, the decreasing importance of tangible wealth and power – and the increasing significance of their disembodied counterparts – has been the subject of much legal research. For some time now, legal scholars have grappled with how laws drafted for tangible property and predigital 'offline' technologies can cope with

dematerialisation, digitalisation, and the internet. As dematerialisation continues, this book aims to illuminate the opposite movement: rematerialisation, namely, the return of data, knowledge, and power within a physical 'smart' world. This development frames the book's central question: can the law steer rematerialisation in a human-centric and socially just direction? To answer it, the book focuses on the IoT, the sociotechnological phenomenon that is primarily responsible for this shift. After a thorough analysis of how existing laws can be interpreted to empower IoT end users, Noto La Diega leaves us with the fundamental question of what happens when the law fails us and concludes with a call for collective resistance against 'smart' capitalism.

Cloud et transformation digitale - 6e éd May 26 2020 Cet ouvrage s'adresse à tous ceux qui souhaitent comprendre les concepts et les enjeux du cloud computing qu'ils soient informaticiens (chefs de projet, architectes, développeurs, équipes d'exploitation) experts métiers, ou responsables de maîtrises d'ouvrage... La première partie introduit les concepts du cloud computing, des SaaS, PaaS, et IaaS, du SI hybride. La deuxième partie aborde les problématiques de sécurité et de confiance. Elle analyse les risques du cloud pour l'entreprise. Elle aborde successivement les points de vue de la direction, des utilisateurs et des informaticiens. La troisième partie décrit les différents modes de gouvernance du cloud. Elle présente l'organisation à mettre en place et décrit les mécanismes d'intégration au SI. La quatrième partie propose un panorama des offres SaaS disponibles. La cinquième partie aborde les aspects techniques. Elle introduit les architectures sous-jacentes aux plateformes IaaS et PaaS. Elle décrit les principales plateformes du marché. Cette sixième édition apporte des mises à jour sur la tendance No Code, sur les clouds privés, les hyperscaleurs, et les architectures à base

de conteneurs (Docker/Kubernetes).

Internet of Things Projects with ESP32 Aug 10 2021 Create and program Internet of Things projects using the Espressif ESP32. Key Features Getting to know the all new powerful ESP32 boards and build interesting Internet of Things projects Configure your ESP32 to the cloud technologies and explore the networkable modules that will be utilised in your IoT projects A step-by-step guide that teaches you the basic to advanced IoT concepts with ESP32 Book Description ESP32 is a low-cost MCU with integrated Wi-Fi and BLE. Various modules and development boards-based on ESP32 are available for building IoT applications easily. Wi-Fi and BLE are a common network stack in the Internet of Things application. These network modules can leverage your business and projects needs for cost-effective benefits. This book will serve as a fundamental guide for developing an ESP32 program. We will start with GPIO programming involving some sensor devices. Then we will study ESP32 development by building a number of IoT projects, such as weather stations, sensor loggers, smart homes, Wi-Fi cams and Wi-Fi wardriving. Lastly, we will enable ESP32 boards to execute interactions with mobile applications and cloud servers such as AWS. By the end of this book, you will be up and running with various IoT project-based ESP32 chip. What you will learn Understand how to build a sensor monitoring logger Create a weather station to sense temperature and humidity using ESP32 Build your own Wi-Fi wardriving with ESP32. Use BLE to make interactions between ESP32 and Android Understand how to create connections to interact between ESP32 and mobile applications Learn how to interact between ESP32 boards and cloud servers Build an IoT Application-based ESP32 board Who this book is for This book is for those who want to build a powerful and inexpensive IoT projects using the ESP32. Also for those who are new to IoT, or those who already have experience with other

platforms such as Arduino, ESP8266, and Raspberry Pi.

ASP.NET Core 2 High Performance Feb 13 2022 Learn how to develop web applications that deploy cross-platform and are optimized for high performance using ASP.NET Core 2 About This Book Master high-level web app performance improvement techniques using ASP.NET Core 2.0 Find the right balance between premature optimization and inefficient code Design workflows that run asynchronously and are resilient to transient performance issues Who This Book Is For This book is aimed for readers who can build a web application and have some experience with ASP.NET or some other web application framework (such as Ruby on Rails or Django). They can be people who are happy learning details independently but who struggle to discover the topics that they should be researching. The reader should be interested in improving the performance of their web app and in learning about ASP.NET Core and modern C#. What You Will Learn Understand ASP.NET Core 2 and how it differs from its predecessor Address performance issues at the early stages of development Set up development environments on Windows, Mac, and Linux Measure, profile and find the most significant problems Identify the differences between development workstations and production infrastructures, and how these can exacerbate problems Boost the performance of your application but with an eye to how it affects complexity and maintenance Explore a few cutting-edge techniques such as advanced hashing and custom transports In Detail The ASP.NET Core 2 framework is used to develop high-performance and cross-platform web applications. It is built on .NET Core 2 and includes significantly more framework APIs than version 1. This book addresses high-level performance improvement techniques. It starts by showing you how to locate and measure problems and then shows you how to solve some of the most common ones. Next, it shows you how to get started with

ASP.NET Core 2 on Windows, Mac, Linux, and with Docker containers. The book illustrates what problems can occur as latency increases when deploying to a cloud infrastructure. It also shows you how to optimize C# code and choose the best data structures for the job. It covers new features in C# 6 and 7, along with parallel programming and distributed architectures. By the end of this book, you will be fixing latency issues and optimizing performance problems, but you will also know how this affects the complexity and maintenance of your application. Finally, we will explore a few highly advanced techniques for further optimization. Style and approach A step-by-step practical guide filled with real-world use cases and examples

C# 7.1 and .NET Core 2.0 – Modern Cross-Platform Development Feb 25 2023 C# 7.1 and .NET Core 2.0 – Modern Cross-Platform Development, Third Edition is a practical guide to creating powerful cross-platform applications with C# 7 and .NET Core 2.0. About This Book Build modern, cross-platform applications with .NET Core 2.0 Get up to speed with C#, and up to date with all the latest features of C# 7.1 Start creating professional web applications with ASP.NET Core 2.0 Who This Book Is For This book is targeted towards readers who have some prior programming experience or have a science, technology, engineering, or mathematics (STEM) background, and want to gain a solid foundation with C# and to be introduced to the types of applications they could build and will work cross-platform on Windows, Linux, and macOS. What You Will Learn Build cross-platform applications using C# 7.1 and .NET Core 2.0 Explore ASP.NET Core 2.0 and learn how to create professional websites, services, and applications Improve your application's performance using multitasking Use Entity Framework Core and LINQ to query and manipulate data Master object-oriented programming with C# to increase code reuse and efficiency Familiarize yourself with

cross-device app development using the Universal Windows Platform Protect and manage your files and data with encryption, streams, and serialization Get started with mobile app development using Xamarin.Forms Preview the nullable reference type feature of C# 8 In Detail C# 7.1 and .NET Core 2.0 – Modern Cross-Platform Development, Third Edition, is a practical guide to creating powerful cross-platform applications with C# 7.1 and .NET Core 2.0. It gives readers of any experience level a solid foundation in C# and .NET. The first part of the book runs you through the basics of C#, as well as debugging functions and object-oriented programming, before taking a quick tour through the latest features of C# 7.1 such as default literals, tuples, inferred tuple names, pattern matching, out variables, and more. After quickly taking you through C# and how .NET works, this book dives into the .NET Standard 2.0 class libraries, covering topics such as packaging and deploying your own libraries, and using common libraries for working with collections, performance, monitoring, serialization, files, databases, and encryption. The final section of the book demonstrates the major types of application that you can build and deploy cross-device and cross-platform. In this section, you'll learn about websites, web applications, web services, Universal Windows Platform (UWP) apps, and mobile apps. By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET. Style and approach This book takes a step-by-step approach and is filled with exciting projects and fascinating theory. It uses three high-impact sections to equip you with all the tools you'll need to build modern, cross-platform applications using C# and .NET Core 2.0.

Porro Carmine - Microsoft Jan 15 2022 Microsoft

IoT and Low-Power Wireless Jul 09 2021 The book offers unique insight into the modern world of wireless communication

that included 5G generation, implementation in Internet of Things (IoT), and emerging biomedical applications. To meet different design requirements, gaining perspective on systems is important. Written by international experts in industry and academia, the intended audience is practicing engineers with some electronics background. It presents the latest research and practices in wireless communication, as industry prepares for the next evolution towards a trillion interconnected devices. The text further explains how modern RF wireless systems may handle such a large number of wireless devices. Covers modern wireless technologies (5G, IoT), and emerging biomedical applications. Discusses novel RF systems, CMOS low power circuit implementation, antennae arrays, circuits for medical imaging, and many other emerging technologies in wireless co-space. Written by a mixture of top industrial experts and key academic professors.

Voice technology. Le nuove sfide del marketing conversazionale e della digital transformation Nov 12 2021 La voice technology e il marketing conversazionale caratterizzeranno la trasformazione digitale dell'imminente futuro. Se da un lato i top player come Google, Amazon, Apple, Baidu, Alibaba, Xiaomi hanno già delineato una rotta sviluppando e promuovendo prodotti e features, dall'altra abbiamo colossi come Barilla, TIM, McDonald's, Disney, Gruppo Mondadori, Vogue e molti altri che si muovono in questa direzione. Questo libro parla ai brand per i quali la voice technology rappresenta un touchpoint interessante per comunicare con i clienti. Agli utenti che vogliono rendere le proprie interazioni sempre più efficaci e alle agenzie interessate a sviluppare soluzioni innovative. Voice technology ha lo scopo di tracciare un percorso attraverso l'universo vocale per chiarire i concetti, comprendere la direzione, interpretare e mettere a punto delle strategie concrete partendo dalla ricerca vocale e arrivando alla realizzazione di applicazioni vocali per i diversi assistenti.

Voice Technology è anche un podcast. Gli episodi sono disponibili su Spotify, Spreaker, Apple Podcasts, e su Google Podcasts. Aprilo con Google Assistant (“Hey Google, parla con Voice Technology Podcast”) e Alexa (“Alexa, apri Voice Technology Podcast”).

Investire nei megatrend del futuro Aug 29 2020 Come sfruttare i cambiamenti strutturali che riguardano l’economia globale. Questo libro accompagna il lettore nella comprensione dei megatrend che guideranno lo sviluppo economico e sociale dei prossimi decenni. Sulla base di queste premesse sono descritti una ventina di scenari d’investimento che sviluppano le tematiche demografiche, tecnologiche, ambientali, sociali e geo-strategiche. Ogni scenario è accompagnato dalla costruzione di un portafoglio teorico composto da aziende quotate e startup innovative, oltre che da strumenti del risparmio gestito come ETF, certificati e fondi. Questi scenari possono essere facilmente replicati dal lettore che avrà quindi a disposizione per le sue analisi oltre 400 strumenti finanziari. Il libro è l’occasione per gettare uno sguardo su come sta cambiando il mondo tra riscaldamento globale, sovrappopolamento, scarsità di risorse, il crescente ruolo dell’Est Asiatico, l’applicazione massiva delle tecnologie digitali, l’ingresso della robotica e dell’Intelligenza Artificiale nella società e nel lavoro: tutti megatrend che rappresentano nuove sfide per l’individuo, l’economia, la società e il pianeta.

IoT as a Service Oct 12 2021 This book constitutes the thoroughly refereed proceedings of the 3rd International Conference on IoT as a service, IoTaaS 2017, held in Taichung, Taiwan, in September 2017. The 46 full papers were carefully selected from 65 submissions. The papers deal with the “Everything as a Service” deployment paradigm which enables the easy adoption of IoT based services and applications by end-users, and forces providers of smart objects and middleware

platforms to architect their solutions accordingly. The three special sessions organized were Wearable Technology and Applications (WTAA), Building Smart Machine Applications (BSMA), and Security and Privacy in Internet of Things, Services and People (SP-IoTSP). The WTAA special session aimed to address the challenges of maintaining high efficiency of WTAA in terms of high recognition rate, energy consumption, computational costs and so forth. The BSMA special session aimed to explore how to construct smart machines architecture for the industry under the background of IoT and big data. The SP-IoTSP special session aimed to investigate recent research and future directions for IoTSP security and privacy.

C# 7 and .NET Core: Modern Cross-Platform Development Feb 01 2021 Modern Cross-Platform Development About This Book Build modern, cross-platform applications with .NET Core Get up to speed with C#, and up to date with all the latest features of C# 7 Start creating professional web applications with ASP.NET Core Who This Book Is For This book is targeted towards readers who have some prior programming experience or have a science, technology, engineering, or mathematics (STEM) background, and want to gain a solid foundation with C# and to be introduced to the types of applications they could build and will work cross-platform on Windows, Linux, and macOS. What You Will Learn Build cross-platform applications using C# 7 and .NET Core Explore ASP.NET Core and learn how to create professional web applications Improve your application's performance using multitasking Use Entity Framework Core and find out how to build code-first databases Master object-oriented programming with C# to increase code reuse and efficiency Familiarize yourself with cross-device app development using the Universal Windows Platform and XAML Query and manipulate data using LINQ Protect your data by using encryption and hashing In Detail If you want to build

powerful cross-platform applications with C# 7 and .NET Core, then this book is for you. First, we'll run you through the basics of C#, as well as object-oriented programming, before taking a quick tour through the latest features of C# 7 such as tuples, pattern matching, out variables, and so on. After quickly taking you through C# and how .NET works, we'll dive into the .NET Standard 1.6 class libraries, covering topics such as performance, monitoring, debugging, serialization and encryption. The final section will demonstrate the major types of application that you can build and deploy cross-device and cross-platform. In this section, we'll cover Universal Windows Platform (UWP) apps, web applications, mobile apps, and web services. Lastly, we'll look at how you can package and deploy your applications so that they can be hosted on all of today's most popular platforms, including Linux and Docker. By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET Core. Style and approach This book takes a step-by-step approach and is filled with exciting projects and fascinating theory. It uses three high-impact sections to equip you with all the tools you'll need to build modern, cross-platform applications using C# and .NET Core.

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- [Raspberry Pi](#)

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