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Software-Defined Networking with OpenFlow Euro-Par 2010 - Parallel Processing Plane Software Defined Networks [The Joy of x Open Source Systems: Grounding Research](#) *Computerworld Software Engineering and Formal Methods. SEFM 2020 Collocated Workshops Applying Big Data Analytics in Bioinformatics and Medicine Mobile Networks and Management Maker Open Source Leveraging Applications of Formal Methods, Verification and Validation: Tools and Trends* **Internet of Things, Smart Spaces, and Next Generation Networks and Systems** *Artificial Intelligence Systems and the Internet of Things in the Digital Era Formal Methods. FM 2019 International Workshops Samba 3* **Biotechnology: Concepts, Methodologies, Tools, and Applications** *Proceedings of Second International Conference on Sustainable Expert Systems Linux Journal* **Axmedis 2006** *The SAGE Encyclopedia of Theory in Science, Technology, Engineering, and Mathematics* *Sensors and Actuators in Smart Cities* **Internet Reference Support for Distance Learners** *Handbook of Computer Networks and Cyber Security On Line* *Citizenship* **Industrial Networks and Intelligent Systems Data Orchestration in Deep Learning Accelerators** *The Maestro's Voice* *OpenStack in Action* *Towards Ubiquitous Low-power Image Processing Platforms* *Risks and Resilience of Collaborative Networks* **Church in the Present Tense (émersion: Emergent Village resources for communities of faith)** *Intraoperative Ultrasound in Brain Tumor Surgery: State-Of-The-Art and Future Perspectives* **Computation and Communication Technologies Java Cookbook Her Maestro's Echo** *5G Radio Access Networks* *Decentralization* **Lead Generation, 2 Volume Set** *Integrating Linux and Windows*

Industrial Networks and Intelligent Systems Sep 05 2020 This book constitutes the refereed proceedings of the 5th EAI International Conference on Industrial Networks and Intelligent Systems, INISCOM 2019, held in Ho Chi Minh City, Vietnam, in August 2019. The 25 full papers were selected from 39 submissions and are organized thematically in tracks on telecommunications systems and networks; industrial networks and applications; hardware and software design and development; information processing and data analysis; signal processing; security and privacy.

Software Defined Networks Jul 28 2022 Software Defined Networks: A Comprehensive Approach, Second Edition provides in-depth coverage of the technologies collectively known as Software Defined Networking (SDN). The book shows how to explain to business decision-makers the benefits and risks in shifting parts of a network to the SDN model, when to integrate SDN technologies in a network, and how to develop or acquire SDN applications. In addition, the book emphasizes the parts of the technology that encourage opening up the network, providing treatment for alternative approaches to SDN that expand the definition of SDN as networking vendors adopt traits of SDN to their existing solutions. Since the first edition was published, the SDN market has matured, and is being gradually integrated and morphed into something more compatible with mainstream networking vendors. This book reflects these changes, with coverage of the OpenDaylight controller and its support for multiple southbound protocols, the Inclusion of NETCONF in discussions on controllers and devices, expanded coverage of NFV, and updated coverage of the latest approved version (1.5.1) of the OpenFlow specification. Contains expanded coverage of controllers Includes a new chapter on NETCONF and SDN Presents expanded coverage of SDN in optical networks Provides support materials for use in computer networking courses

Java Cookbook Nov 27 2019 You have a choice: you can wade your way through lengthy Java tutorials and figure things out by trial and error, or you can pick up Java Cookbook, 2nd Edition and get to the heart of what you need to know when you need to know it. With the completely revised and thoroughly updated Java Cookbook, 2nd Edition, Java developers like you will learn by example, try out new features, and use sample code to understand how new additions to the language and platform work--and how to put them to work for you. This comprehensive collection of problems, solutions, and practical examples will satisfy Java developers at all levels of expertise. Whether you're new to Java programming and need something to bridge the gap between theory-laden reference manuals and real-world programs or you're a seasoned Java programmer looking for a new perspective or a different problem-solving context, this book will help you make the most of your Java knowledge. Packed with hundreds of tried-and-true Java recipes covering all of the major APIs from the 1.4 version of Java, this book also offers significant first-look recipes for the most important features of the new 1.5 version, which is in beta release. You get practical solutions to everyday problems, and each is followed by a detailed, ultimately useful explanation of how and why the technology works. Java Cookbook, 2nd Edition includes code segments covering many specialized APIs--like those for working with Struts, Ant and other new popular Open Source tools. It also includes expanded Mac OS X Panther coverage and serves as a great launching point for Java developers who want to get started in areas outside of their specialization. In this major revision, you'll find succinct pieces of

code that can be easily incorporated into other programs. Focusing on what's useful or tricky--or what's useful and tricky--Java Cookbook, 2nd Edition is the most practical Java programming book on the market.

Towards Ubiquitous Low-power Image Processing Platforms May 02 2020 This book summarizes the key scientific outcomes of the Horizon 2020 research project TULIPP: Towards Ubiquitous Low-power Image Processing Platforms. The main focus lies on the development of high-performance, energy-efficient embedded systems for the growing range of increasingly complex image processing applications. The holistic TULIPP approach is described in the book, which addresses hardware platforms, programming tools and embedded operating systems. Several of the results are available as open-source hardware/software for the community. The results are evaluated with several use cases taken from real-world applications in key domains such as Unmanned Aerial Vehicles (UAVs), robotics, space and medicine. Discusses the development of high-performance, energy-efficient embedded systems for the growing range of increasingly complex image processing applications; Covers the hardware architecture of embedded image processing systems, novel methods, tools and libraries for programming those systems as well as embedded operating systems to manage those systems; Demonstrates results with several challenging applications, such as medical systems, robotics, drones and automotive.

Decentralization Aug 24 2019 Entrepreneurs as well as seasoned business leaders are struggling to innovate and stay ahead of change in the age of decentralization. What separates the companies that get disrupted from the ones that thrive when faced with decentralization? What tactics can be deployed to decentralize large monolithic organizations? Drawing on their experience as researchers and tech entrepreneurs, Professors Calcaterra and Kaal show how to Learn to embrace the change that comes with decentralization Evolve technology, communication, and culture as the business encounters decentralization Use best practices to maintain profitability in the emerging environments of decentralization across industries Combine responsibility with velocity to leverage the advantages of decentralization for the common good The book examines the core infrastructure elements that are needed before the first genuinely decentralized transaction can happen including a legal environment, underwriting, a truly decentralized blockchain that can overcome the blockchain trilemma (decentralization, scaling, security), and efficient governance of blockchains. Decentralization is essential reading for businesses seeking to win in an increasingly decentralized world where adaptation speed is the competitive advantage that matters most.

5G Radio Access Networks Sep 25 2019 C-RAN and virtualized Small Cell technology poses several major research challenges. These include dynamic resource allocation, self-configuration in the baseband pool, high latency in data transfer between radio unit and baseband unit, the cost of data delivery, high volume of data in the network, software networking aspects, potential energy savings, security concerns, privacy of user's personal data at a remote place, limitations of virtualized environment, etc. This book provides deeper insights into the next generation RAN architecture and surveys the coexistence of SDN, C-RAN and Small Cells solutions proposed in the literature at different levels. *Applying Big Data Analytics in Bioinformatics and Medicine* Feb 20 2022 Many aspects of modern life have become personalized, yet healthcare practices have been lagging behind in this trend. It is now becoming more common to use big data analysis to improve current healthcare and

medicinal systems, and offer better health services to all citizens. Applying Big Data Analytics in Bioinformatics and Medicine is a comprehensive reference source that overviews the current state of medical treatments and systems and offers emerging solutions for a more personalized approach to the healthcare field. Featuring coverage on relevant topics that include smart data, proteomics, medical data storage, and drug design, this publication is an ideal resource for medical professionals, healthcare practitioners, academicians, and researchers interested in the latest trends and techniques in personalized medicine.

Proceedings of Second International Conference on Sustainable Expert Systems May 14 2021 This book features high-quality research papers presented at the 2nd International Conference on Sustainable Expert Systems (ICSES 2021), held in Nepal during September 17-18, 2021. The book focusses on the research information related to artificial intelligence, sustainability, and expert systems applied in almost all the areas of industries, government sectors, and educational institutions worldwide. The main thrust of the book is to publish the conference papers that deal with the design, implementation, development, testing, and management of intelligent and sustainable expert systems and also to provide both theoretical and practical guidelines for the deployment of these systems.

Computerworld Apr 24 2022 For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Samba 3 Jul 16 2021

Plone Aug 29 2022

OpenStack in Action Jun 02 2020 Summary OpenStack in Action offers the real world use cases and step-by-step instructions you can take to develop your own cloud platform from from inception to deployment. This book guides you through the design of both the physical hardware cluster and the infrastructure services you'll need to create a custom cloud platform. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology OpenStack is an open source framework that lets you create a private or public cloud platform on your own physical servers. You build custom infrastructure, platform, and software services without the expense and vendor lock-in associated with proprietary cloud platforms like Amazon Web Services and Microsoft Azure. With an OpenStack private cloud, you can get increased security, more control, improved reliability, and lower costs. About the Book OpenStack in Action offers real-world use cases and step-by-step instructions on how to develop your own cloud platform. This book guides you through the design of both the physical hardware cluster and the infrastructure services you'll need. You'll learn how to select and set up virtual and physical servers, how to implement software-defined networking, and technical details of designing, deploying, and operating an OpenStack cloud in your enterprise. You'll also discover how to best tailor your OpenStack deployment for your environment. Finally, you'll learn how your cloud can offer user-facing software and infrastructure services. What's Inside Develop and deploy an enterprise private cloud Private cloud technologies from an IT perspective Organizational impact of self-service cloud computing About the Reader No prior knowledge of OpenStack or cloud development is assumed. About the Author Cody Bumgardner is the Chief Technology Architect at a large university where he is responsible for the architecture, deployment, and long-term strategy of OpenStack private clouds and other cloud computing initiatives. Table of Contents PART 1 GETTING STARTED Introducing OpenStack Taking an OpenStack test-drive Learning basic OpenStack operations Understanding private cloud building blocks PART 2 WALKING THROUGH A MANUAL DEPLOYMENT Walking through a Controller deployment Walking through a Networking deployment Walking through a Block Storage deployment Walking through a Compute deployment PART 3 BUILDING A PRODUCTION ENVIRONMENT Architecting your OpenStack Deploying Ceph Automated HA OpenStack deployment with Fuel Cloud orchestration using OpenStack

The SAGE Encyclopedia of Theory in Science, Technology, Engineering, and Mathematics Feb 08 2021 Project Description: Theories are part and parcel of every human activity that involves knowing about the world and our place in it. In all areas of inquiry from the most commonplace to the most scholarly and esoteric, theorizing plays a fundamental role. The SAGE Encyclopedia of Theory in Science, Technology, Engineering, and

Mathematics focuses on the ways that various STEM disciplines theorize about their subject matter. How is thinking about the subject organized? What methods are used in moving a novice in given field into the position of a competent student of that subject? Within the pages of this landmark work, readers will learn about the complex decisions that are made when framing a theory, what goes into constructing a powerful theory, why some theories change or fail, how STEM theories reflect socio-historical moments in time and how - at their best - they form the foundations for exploring and unlocking the mysteries of the world around us. Featuring more than 200 authoritative articles written by experts in their respective fields, the encyclopedia includes a Reader's Guide that organizes entries by broad themes; lists of Further Readings and cross-references that conclude each article; and a Resource Guide listing classic books in the field, leading journals, associations, and key websites.

Open Source Systems: Grounding Research May 26 2022 This book constitutes the refereed proceedings of the 7th International IFIP WG 2.13 Conference on Open Source Systems, OSS 2010, held in Salvador, Brazil, in October 2011. The 20 revised full papers presented together with 4 industrial full papers, 8 lightning talks and 2 workshop papers were carefully reviewed and selected from 56 submissions. The papers are organized in the following topical sections: OSS quality and reliability, OSS products, review of technologies of and for OSS, knowledge and research building in OSS, OSS reuse, integration, and compliance, OSS value and economics, OSS adoption in industry, and mining OSS repositories.

The Maestro's Voice Jul 04 2020 New York, 1926. Rocco Campobello, the great tenor - one of the most revered entertainers in the world - collapses on stage. He emerges from this brush with death a changed man: a fallen, but enlightened colossus, Casting off the mantle of celebrity, he embarks on a journey into his dark and sinister past which takes him back to his impoverished early life and to the city that made him: Naples. There he is forced to confront the truth about himself, his ruthlessness and treachery and to address ghosts from his past that he now seeks to lay to rest. Magnificent, flamboyant, yet impoverished and decaying, Naples is a city caught in the throes of change. The old ways, embodied in the activities of the camorra, the Italian mafia, are fighting to survive in the face of the brutal new politics of Mussolini and his Fascists. Don Graziani, head of one of the city's most respected - and fear - families, has much to lose if the great tenor's career falls apart. In league with Campobello's near-estranged wife, he conspires to re-launch the great voice in magnificent fashion. When persuasion fails, he reveals his true colours and resorts to brutal blackmail as the means to force the tenor to go along with their plans and return to the stage. Rediscovering his own integrity, Campobello is compelled to hatch a dangerous counter plot of his own in order to outmanoeuvre them all and reclaim his life as his own... The Master's Voice weaves a rich and evocative path through a world of celebrity glamour, stinging violence, musical supremacy and scarred psyches.

Biotechnology: Concepts, Methodologies, Tools, and Applications

Jun 14 2021 Biotechnology can be defined as the manipulation of biological process, systems, and organisms in the production of various products. With applications in a number of fields such as biomedical, chemical, mechanical, and civil engineering, research on the development of biologically inspired materials is essential to further advancement. Biotechnology: Concepts, Methodologies, Tools, and Applications is a vital reference source for the latest research findings on the application of biotechnology in medicine, engineering, agriculture, food production, and other areas. It also examines the economic impacts of biotechnology use. Highlighting a range of topics such as pharmacogenomics, biomedical engineering, and bioinformatics, this multi-volume book is ideally designed for engineers, pharmacists, medical professionals, practitioners, academicians, and researchers interested in the applications of biotechnology.

Maker Open Source Dec 21 2021 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.

On Line Citizenship Oct 07 2020 On Line Citizenship discusses the evolutionary trends of cities in terms of e-government in the present and future technological scenario. The focus is on the transformation of the relationships between city administrations and citizens due to Information and Communication Technology. On a broad perspective, the book intends to present opportunities and threats in the development of on line citizenship in the framework of the European Union. On Line Citizenship gathers original contributions and documents presented at the International Conference On Line Citizenship - Emerging Technologies for European Cities promoted by Telecities-Eurocities and the City of Venice in co-operation with Venice International University and sponsored by SUN Microsystems, held in Venice, May 30-31, 2003. The work is complemented by multimedia presentations and speeches from the conference, available at http://it.sun.com/eventi/online_citizenship (reserved area).

Handbook of Computer Networks and Cyber Security Nov 07 2020 This handbook introduces the basic principles and fundamentals of cyber security towards establishing an understanding of how to protect computers from hackers and adversaries. The highly informative subject matter of this handbook, includes various concepts, models, and terminologies along with examples and illustrations to demonstrate substantial technical details of the field. It motivates the readers to exercise better protection and defense mechanisms to deal with attackers and mitigate the situation. This handbook also outlines some of the exciting areas of future research where the existing approaches can be implemented. Exponential increase in the use of computers as a means of storing and retrieving security-intensive information, requires placement of adequate security measures to safeguard the entire computing and communication scenario. With the advent of Internet and its underlying technologies, information security aspects are becoming a prime concern towards protecting the networks and the cyber ecosystem from variety of threats, which is illustrated in this handbook. This handbook primarily targets professionals in security, privacy and trust to use and improve the reliability of businesses in a distributed manner, as well as computer scientists and software developers, who are seeking to carry out research and develop software in information and cyber security. Researchers and advanced-level students in computer science will also benefit from this reference.

Risks and Resilience of Collaborative Networks Mar 31 2020 This book constitutes the refereed proceedings of the 16th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2015, held in Albi, France, in October 2015. The 61 revised papers were carefully selected from 126 submissions. They provide a comprehensive overview of identified challenges and recent advances in various collaborative network (CN) domains and their applications, with a strong focus on the following areas: risks in collaborative networks; agility and resilience in collaborative networks; collaboration frameworks; logistics and transportation; innovation networks; governance in collaborative networks; collaborative communities; information and assets sharing; business processes; performance and optimization; and network formation.

Sensors and Actuators in Smart Cities Jan 10 2021 This book is a printed edition of the Special Issue "Sensors and Actuators in Smart Cities" that was published in JSAN

Software-Defined Networking with OpenFlow Oct 31 2022 Master OpenFlow concepts to improve and make your projects efficient with the help of Software-Defined Networking. About This Book Master the required platforms and tools to build network applications with OpenFlow Get to grips with the updated OpenFlow and build robust SDN-based solutions An end-to-end thorough overview of open-source switches, controllers, and tools Who This Book Is For If you are a network/system administrator or a system engineer and would like to implement OpenFlow concepts and take Software-Defined Networking on your projects to the next level, then this book is for you. If you are aware of broad networking concepts, and are familiar with the day-to-day operation of computer networks, you will find this book very beneficial. What You Will Learn Explore Software-Defined Networking and activities around SDN/OpenFlow including OpenFlow messages Hardware and software implementations of OpenFlow switches and experiment with Mininet GUI Learn about the role of OpenFlow in cloud computing by configuring and setting up the Neutron and Floodlight OpenFlow controller plugins Simulate and test utilities, and familiarize yourself with OpenFlow soft switches, controllers, virtualization, and

orchestration tools Enhance and build environments for Net App development by installing VM's and tools such as Mininet and Wireshark Learn about hardware and software switches and get a feel for active open-source projects around SDN and OpenFlow In Detail OpenFlow paves the way for an open, centrally programmable structure, thereby accelerating the effectiveness of Software-Defined Networking. Software-Defined Networking with OpenFlow, Second Edition takes you through the product cycle and gives you an in-depth description of the components and options that are available at each stage. The aim of this book is to help you implement OpenFlow concepts and improve Software-Defined Networking on your projects. You will begin by learning about building blocks and OpenFlow messages such as controller-to-switch and symmetric and asynchronous messages. Next, this book will take you through OpenFlow controllers and their existing implementations followed by network application development. Key topics include the basic environment setup, the Neutron and Floodlight OpenFlow controller, XORPlus OF13SoftSwitch, enterprise and affordable switches such as the Zodiac FX and HP2920. By the end of this book, you will be able to implement OpenFlow concepts and improve Software-Defined Networking in your projects. Style and approach This book is an easy-to-follow and pragmatic guide networking. Each topic adopts a logical approach and provides hints to help you build and deliver SDN Solutions efficiently.

The Joy of x Jun 26 2022 Mathematik durchdringt den ganzen Kosmos. Das weiß jeder, doch nur die wenigsten verstehen die Zusammenhänge wirklich. Steven Strogatz nimmt uns bei der Hand und spaziert mit uns durch diese Welt der Weisheit, Klarheit und Eleganz. Als Reiseleiter geht er neue, erfrischende Wege, deutet auf Besonderheiten, schildert Hintergründe und erklärt die unsichtbaren Mechanismen. Wir erfahren unter anderem von dem Wunder des Zählens, der genialen Einfachheit der Algebra, dem ewigen Erbe Newtons, dem Tango mit Quadraten, der Zweisamkeit von Primzahlen und der Macht des Unendlichen. Mit all seiner Begeisterung, seinem Scharfblick und seinem leichtem Ton hat Steven Strogatz ein herrliches Buch für alle geschrieben, die ihr Verständnis von Mathematik auf eine neue Art vertiefen möchten.

Linux Journal Apr 12 2021

Internet of Things, Smart Spaces, and Next Generation Networks and Systems Oct 19 2021 This book constitutes the joint refereed proceedings of the 16th International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, NEW2AN 2016, and the 9th Conference on Internet of Things and Smart Spaces, ruSMART 2016, held in St. Petersburg, Russia, in September 2016. The 69 revised full papers were carefully reviewed and selected from 204 submissions. The 12 papers selected for ruSMART are organized in topical sections on new generation of smart services; smart services serving telecommunication networks; role of context for smart services; and smart services in automotive industry. The 57 papers from NEW2AN deal with the following topics: cooperative communications; wireless networks; wireless sensor networks; security issues; IoT and industrial IoT; NoC and positioning; ITS; network issues; SDN; satellite communications; signals and circuits; advanced materials and their properties; and economics and business.

Euro-Par 2010 - Parallel Processing Sep 29 2022 This book constitutes the refereed proceedings of the 16th International Euro-Par Conference held in Ischia, Italy, in August/September 2010. The 90 revised full papers presented were carefully reviewed and selected from 256 submissions. The papers are organized in topical sections on support tools and environments; performance prediction and evaluation; scheduling and load-balancing; high performance architectures and compilers; parallel and distributed data management; grid, cluster and cloud computing; peer to peer computing; distributed systems and algorithms; parallel and distributed programming; parallel numerical algorithms; multicore and manycore programming; theory and algorithms for parallel computation; high performance networks; and mobile and ubiquitous computing.

Church in the Present Tense (ēmerision: Emergent Village resources for communities of faith) Feb 29 2020 Much has been written by practitioners advocating the emerging church phenomenon, but confusion about the nature and beliefs of those who identify with the emerging church still exists. Now that the movement has aged a bit, the time has come for a more rigorous, scholarly analysis. Here four influential authors, each an expert in his field, discuss important cultural, theological, philosophical, and biblical underpinnings and implications of the emerging church movement. Their sympathetic yet critical assessment helps readers better understand the roots of the movement

and the impact that it has had and is having on wider traditions. *Integrating Linux and Windows* Jun 22 2019 Annotation This clearly organized, amiably written guide provides solutions for the interoperability issues that come up when Linux and Windows are used together, including: using Samba and Linux for file and print services, implementing the best connectivity techniques, providing reliable data exchange, providing high performance cross-platform database access via ODBC, making the most of platform-independent, browser-based applications, and managing the two systems at the same workstation with boot managers, partitioning, compressed drives, and file systems. McCune is a consultant in Chicago. Annotation c. Book News, Inc., Portland, OR (booknews.com).

Artificial Intelligence Systems and the Internet of Things in the Digital Era Sep 17 2021 This book brings together intelligence systems and the Internet of Things, with special attention given to the opportunities, challenges, for education, business growth, and economic progression of nations which will help societies (economists, financial managers, engineers, ICT specialists, digital managers, data managers, policymakers, regulators, researchers, academics, and students) to better understand, use, and control AI and IoT to develop future strategies and to achieve sustainability goals. EAMMIS 2021 was organized by the Bridges Foundation in cooperation with the Istanbul Medeniyet University, Istanbul, Turkey, on March 19–20, 2021. EAMMIS 2021 theme was Artificial Intelligence Systems and the Internet of Things in the digital era. The papers presented at the conference provide a holistic view of AI education, MIS, cybersecurity, blockchain, Internet of Ideas (IoI), and knowledge management.

Internet Reference Support for Distance Learners Dec 09 2020 Make separate library services for distance learners a thing of the past Internet Reference Support for Distance Learners takes a comprehensive look at efforts by librarians and information specialists to provide distance learners with effective services that match those already available on campus. With the development of the World Wide Web and the evolution of Web-based services, reference librarians are adding a human element to the virtual library, blurring the difference between distance learners and traditional users. This unique book examines how they deal with a wide range of related topics, including standards and guidelines, copyright issues, streaming media, and chat and digital references, and presents a historical overview of how reference and instructional services have been delivered to distance users—before and after the creation of the Internet. Internet Reference Support for Distance Learners reveals that librarians do not make a sharp distinction between reference and instruction within the context of distance learning, and that there is no clear boundary between “true” distance learners and more traditional students who might use services designed for nontraditional users. Online capabilities have allowed reference librarians to approximate services advocated by published guidelines and standards, including the ACRL Distance Learning Section’s Guidelines for Distance Learning Library Services, to provide a framework for librarians to plan services for off-campus students. Internet Reference Support for Distance Learners provides practical information on: how librarians can “keep IT simple” when designing methods to access reference support why library Web sites are vital sources of communication between the distance learning student and the reference-based instructional component how to set up a university chat service, including software selection, staff training and assessment how to provide students services beyond traditional provision of resources, including advising, enrollment, and payment of fees how to create an online assistance site that incorporates online versions of traditional print handouts, FAQs, subject guides, course-specific guides, learning modules, and instructional videos in one central location how to work with faculty to create online support for students in Blackboard courses the pros and cons of using open-source software how to create an online library assistance site how to create online information literacy course to teach independent research skills to remote students how to avoid copyright infringement and how to educate library personnel about copyright law how to use Camtasia Studio, a screen capture program to create audio and video for online presentations Internet Reference Support for Distance Learners is an invaluable resource for librarians working in academic, school, special, and public settings, and for library science faculty and students.

Software Engineering and Formal Methods. SEFM 2020 Collocated Workshops Mar 24 2022 This volume constitutes the revised selected papers from the three workshops collocated with the 18th International Conference on Software Engineering and Formal Methods, SEFM 2020,

held in Amsterdam, The Netherlands, in September 2020. The 15 full papers presented together with 8 short papers in this volume were carefully reviewed and selected from a total of 35 submissions. The contributions that are collected in this volume have been selected from the presentations at the following workshops: ASYDE 2020: Second International Workshop on Automated and Verifiable Software System Development; CIFMA 2020: Second International Workshop on Cognition: Interdisciplinary Foundations, Models and Applications; and CoSim-CPS 2020: Fourth International Workshop on Formal Co-Simulation of Cyber-Physical Systems. Due to the Corona pandemic this event was held virtually.

Mobile Networks and Management Jan 22 2022 This book constitutes the post-proceedings of the 5th International ICST Conference on Mobile Networks and Management, MONAMI 2013, held in Cork, Ireland, in September 2013. The 18 revised full papers presented were carefully reviewed and selected from numerous submissions. The volume is organized thematically in five parts, covering: TCP, multi-path and coding and content-centric networking; mobile networks; wireless sensor and vehicular networks; wireless communications and traffic; future research directions, including cloud connectivity, orchestration and SDN. *Formal Methods. FM 2019 International Workshops* Aug 17 2021 This book constitutes the refereed proceedings of the workshops which complemented the 23rd Symposium on Formal Methods, FM 2019, held in Porto, Portugal, in October 2019. This volume presents the papers that have been accepted for the following workshops: Third Workshop on Practical Formal Verification for Software Dependability, AFFORD 2019; 8th International Symposium From Data to Models and Back, DataMod 2019; First Formal Methods for Autonomous Systems Workshop, FMAS 2019; First Workshop on Formal Methods for Blockchains, FMBC 2019; 8th International Workshop on Formal Methods for Interactive Systems, FMIS 2019; First History of Formal Methods Workshop, HFM 2019; 8th International Workshop on Numerical and Symbolic Abstract Domains, NSAD 2019; 9th International Workshop on Open Community Approaches to Education, Research and Technology, OpenCERT 2019; 17th Overture Workshop, Overture 2019; 19th Refinement Workshop, Refine 2019; First International Workshop on Reversibility in Programming, Languages, and Automata, RPLA 2019; 10th International Workshop on Static Analysis and Systems Biology, SASB 2019; and the 10th Workshop on Tools for Automatic Program Analysis, TAPAS 2019.

Computation and Communication Technologies Dec 29 2019 This conference proceedings summarizes invited publications from the two IDES (Institute of Doctors Engineers and Scientists) International conferences, both held in Bangalore/ India.

Her Maestro's Echo Oct 26 2019 Much has been written about Luigi Pirandello, the great artist and grandiose personality. His beloved actress, Marta Abba’s side of the story, on the other hand, has never been adequately told. It’s a tale that includes intriguing behind-the-scenes vignettes of the early history of filmmaking, including Pirandello’s suspicions of Walt Disney; Marta’s meeting with Mussolini – a fan of hers – and her candid impressions of him; Marta’s marriage of convenience into the prominent Millikin family of Ohio; glimpses of an Italian media dynasty and its heavy-handed influence on the arts in general, and on Pirandello’s legacy and Marta’s career in particular. This book sketches out the story of a modern romance between an author and an actress, between an artist and his collaborating muse, between an older man and younger women. It also attempts to tackle the subject of Marta’s sexuality – an aspect of her life that has been little known until now.

Leveraging Applications of Formal Methods, Verification and Validation: Tools and Trends Nov 19 2021 The four-volume set LNCS 12476 - 12479 constitutes the refereed proceedings of the 9th International Symposium on Leveraging Applications of Formal Methods, ISoLA 2020, which was planned to take place during October 20–30, 2020, on Rhodes, Greece. The event itself was postponed to 2021 due to the COVID-19 pandemic. The papers presented were carefully reviewed and selected for inclusion in the proceedings. Each volume focusses on an individual topic with topical section headings within the volume: Part I, Verification Principles: Modularity and (De-)Composition in Verification; X-by-Construction: Correctness meets Probability; 30 Years of Statistical Model Checking; Verification and Validation of Concurrent and Distributed Systems. Part II, Engineering Principles: Automating Software Re-Engineering; Rigorous Engineering of Collective Adaptive Systems. Part III, Applications: Reliable Smart Contracts: State-of-the-art, Applications, Challenges and Future Directions; Automated Verification of Embedded Control Software; Formal methods for DIStributed Computing in future RAILway systems. Part IV, Tools and

Trends: From Verification to Explanation; Engineering of Digital Twins for Cyber-Physical Systems; Software Verification Tools.

Data Orchestration in Deep Learning Accelerators Aug 05 2020 This Synthesis Lecture focuses on techniques for efficient data orchestration within DNN accelerators. The End of Moore's Law, coupled with the increasing growth in deep learning and other AI applications has led to the emergence of custom Deep Neural Network (DNN) accelerators for energy-efficient inference on edge devices. Modern DNNs have millions of hyper parameters and involve billions of computations; this necessitates extensive data movement from memory to on-chip processing engines. It is well known that the cost of data movement today surpasses the cost of the actual computation; therefore, DNN accelerators require careful orchestration of data across on-chip compute, network, and memory elements to minimize the number of accesses to external DRAM. The book covers DNN dataflows, data reuse, buffer hierarchies, networks-on-chip, and automated design-space exploration. It concludes with data orchestration challenges with compressed and sparse DNNs and future trends. The target audience is students, engineers, and researchers interested in designing high-performance and low-energy accelerators for DNN inference.

Axmedis 2006 Mar 12 2021

Intraoperative Ultrasound in Brain Tumor Surgery: State-Of-The-Art and Future Perspectives Jan 28 2020

Lead Generation, 2 Volume Set Jul 24 2019 In this comprehensive two-volume resource on the topic senior lead generation medicinal chemists present a coherent view of the current methods and strategies in industrial and academic lead generation. This is the first book to combine both standard and innovative approaches in comparable breadth and depth, including several recent successful lead generation case studies published here for the first time. Beginning with a general discussion of the underlying principles and strategies, individual lead generation approaches are described in detail, highlighting their strengths and weaknesses, along with all relevant bordering disciplines like e.g. target identification and validation, predictive methods, molecular recognition or lead quality matrices. Novel lead generation approaches for challenging targets like DNA-encoded library screening or chemical biology approaches are treated here side by side with established methods as high throughput and affinity screening, knowledge- or fragment-based lead generation, and collaborative approaches. Within the entire book, a very strong focus is given to highlight the application of the presented methods, so that the reader will be able to learn from real life examples. The final part of the book presents several lead generation case studies taken from different therapeutic fields, including diabetes, cardiovascular and respiratory diseases, neuroscience, infection and tropical diseases. The result is a prime knowledge resource for medicinal chemists and for every scientist involved in lead generation.