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International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2004)
Design of a Secure Privacy Preserving Cloud Based Framework for Sharing Electronic Health Data
Internet and Network Economics
Computational Science and Its Applications - ICCSA 2006
Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing
Information Security Applications
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Trust, Complexity and Control
Security and Privacy Preserving for IoT and 5G Networks
The Engineering Handbook of Smart Technology for Aging, Disability, and Independence
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Trust Management XI
Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management
Public Key Infrastructure
Distributed Applications and Interoperable Systems
Information Security
Science and Technologies for Smart Cities
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Algorithms and Architectures for Parallel Processing
Mobile Social Networking and Computing
Handbook of Research on Design, Deployment, Automation, and Testing Strategies for 6G Mobile Core Network
Cyberspace Safety and Security
Data-Driven Mining, Learning and Analytics for Secured Smart Cities
Introduction to Privacy-Preserving Data Publishing
Trust Management XI
Security and Privacy in Communication Networks
Smart Systems for E-Health
Information Security and Cryptology - ICISC 2007
Security, Privacy and Trust in Cloud Systems
Fog/Edge Computing For Security, Privacy, and Applications
Innovation in Health Informatics
Green, Pervasive, and Cloud Computing

KAISER RILEY

<u>Frontiers of High Performance Computing and Networking - ISPA 2007 Workshops</u> Springer
The three volume set LNCS 13155, 13156, and 13157 constitutes the refereed proceedings of the 21st International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2021, which was held online during December 3-5, 2021. The total of 145 full papers included in these proceedings were carefully reviewed and selected from 403 submissions. They cover the many dimensions of parallel algorithms and architectures including fundamental theoretical approaches, practical experimental projects, and commercial components and systems. The papers were organized in topical sections as follows: Part I, LNCS 13155: Deep learning models and applications; software systems and efficient algorithms; edge computing and edge intelligence; service dependability and security algorithms; data science; Part II, LNCS 13156: Software systems and efficient algorithms; parallel and distributed algorithms and applications; data science; edge computing and edge intelligence; blockchain systems; deept learning models and applications; IoT; Part III, LNCS 13157: Blockchain systems; data science; distributed and network-based computing; edge computing and edge intelligence; service dependability and security algorithms; software systems and efficient algorithms.

International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2004) Springer Nature
This book presents state-of-the-art research on security and privacy- preserving for IoT and 5G networks and applications. The accepted book chapters covered many themes, including traceability and tamper detection in IoT enabled waste management networks, secure Healthcare IoT Systems, data transfer accomplished by trustworthy nodes in cognitive radio, DDoS Attack Detection in Vehicular Ad-hoc Network (VANET) for 5G Networks, Mobile Edge-Cloud Computing, biometric authentication systems for IoT applications, and many other applications It aspires to provide a relevant reference for students, researchers, engineers, and professionals working in this particular area or those interested in grasping its diverse facets and exploring the latest advances on security and privacy- preserving for IoT and 5G networks.

Design of a Secure Privacy Preserving Cloud Based Framework for Sharing Electronic Health Data Springer Science & Business Media
This book provides the state-of-the-art development on security and privacy for fog/edge computing, together with their system architectural support and applications. This book is organized into five parts with a total of 15 chapters. Each area corresponds to an important snapshot. The first part of this book presents an overview of fog/edge computing, focusing on its relationship with cloud technology and the future with the use of 5G communication. Several applications of edge computing are discussed. The second part of this book considers several security issues in fog/edge computing, including the secure storage and search services, collaborative intrusion detection method on IoT-fog computing, and the feasibility of deploying Byzantine agreement protocols in untrusted environments. The third part of this book studies the privacy issues in fog/edge computing. It first investigates the unique privacy challenges in fog/edge computing, and then discusses a privacy-preserving framework for the edge-based video analysis, a popular machine learning application on fog/edge. This book also covers the security architectural design of fog/edge computing, including a comprehensive overview of vulnerabilities in fog/edge computing within multiple architectural levels, the security and intelligent management, the implementation of network-function-virtualization-enabled multicasting in part four. It explains how to use the blockchain to realize security services. The last part of this book surveys applications of fog/edge computing, including the fog/edge computing in Industrial IoT, edge-based augmented reality, data streaming in fog/edge computing, and the blockchain-based application for edge-IoT. This book is designed for academics, researchers and government officials, working in the field of fog/edge computing and cloud computing. Practitioners, and business organizations (e.g., executives, system designers, and marketing professionals), who conduct teaching, research, decision making, and designing fog/edge technology will also benefit from this book The content of this book will be particularly useful for advanced-level students studying computer science, computer technology, and information systems, but also applies to students in business, education, and economics, who would benefit from the information, models, and case studies therein.

Internet and Network Economics IGI Global
This book focuses on a wide range of innovations related to Cybersecurity Education which include: curriculum development, faculty and professional development, laboratory enhancements, community outreach, and student learning. The book includes topics such as: Network Security, Biometric Security, Data Security, Operating Systems Security, Security Countermeasures, Database Security, Cloud Computing Security, Industrial Control and Embedded Systems Security, Cryptography, and Hardware and Supply Chain Security. The book introduces the concepts, techniques, methods, approaches and trends needed by cybersecurity specialists and educators for keeping current their security knowledge. Further, it provides a glimpse of future directions where cybersecurity techniques, policies, applications, and theories are headed. The book is a rich collection of carefully selected and reviewed manuscripts written by diverse cybersecurity experts in the listed fields and edited by prominent cybersecurity researchers and specialists.

<u>Computational Science and Its Applications - ICCSA 2006</u> CRC Press
Gaining access to high-quality data is a vital necessity in knowledge-based decision making. But data in its raw form often contains sensitive information about individuals. Providing solutions to this problem, the methods and tools of privacy-preserving data publishing enable the publication of useful information while protecting data privacy. Introduction to Privacy-Preserving Data Publishing: Concepts and Techniques presents state-of-the-art information sharing and data integration methods that take into account privacy and data mining requirements. The first part of the book discusses the fundamentals of the field. In the second part, the authors present anonymization methods for preserving information utility for specific data mining tasks. The third part examines the privacy issues, privacy models, and anonymization methods for realistic and challenging data publishing scenarios. While the first three parts focus on anonymizing relational data, the last part

studies the privacy threats, privacy models, and anonymization methods for complex data, including transaction, trajectory, social network, and textual data. This book not only explores privacy and information utility issues but also efficiency and scalability challenges. In many chapters, the authors highlight efficient and scalable methods and provide an analytical discussion to compare the strengths and weaknesses of different solutions.

Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing Security, Privacy and Trust in Cloud Systems

This book constitutes the refereed proceedings of the 6th Annual Smart City 360° Summit. Due to COVID-19 pandemic the conference was held virtually. The volume combines selected papers of seven conferences, namely AISCOVID 2020 - International Conference on AI-assisted Solutions for COVID-19 and Biomedical Applications in Smart-Cities; EdgeIoT 2020 - International Conference on Intelligent Edge Processing in the IoT Era; IC4S 2020 - International Conference on Cognitive Computing and Cyber Physical Systems; CiCom 2020 - International Conference on Computational Intelligence and Communications; S-Cube 2020 - International Conference on Sensor Systems and Software; SmartGov 2020 - International Conference on Smart Governance for Sustainable Smart Cities; and finnally, the Urb-IOT 2020 -International Conference on IoT in Urban Space.

Information Security Applications Springer

The two-volume set LNCS 7565 and 7566 constitutes the refereed proceedings of three confederated international conferences: Cooperative Information Systems (CoopIS 2012), Distributed Objects and Applications - Secure Virtual Infrastructures (DOA-SVI 2012), and Ontologies, DataBases and Applications of SEmantics (ODBASE 2012) held as part of OTM 2012 in September 2012 in Rome, Italy. The 53 revised full papers presented were carefully reviewed and selected from a total of 169 submissions. The 31 full papers included in the second volume constitute the proceedings of DOA-SVI 2012 with 10 full papers organized in topical sections on privacy in the cloud; resource management and assurance; context, compliance and attack; and ODBASE 2012 with 21 full papers organized in topical sections on using ontologies and semantics; applying probalistic techniques to semantic information; exploiting and querying semantic information; and managing and storing semantic information.

Information and Communications Security IGI Global

To overcome the constraints of 5G for supporting new challenges, 6G wireless systems must be developed with new and attractive features. These systems are expected to increase performance and maximize quality of service several folds more than 5G along with other exciting features. However, 6G is still in its infancy and must be explored. The Handbook of Research on Design, Deployment, Automation, and Testing Strategies for 6G Mobile Core Network discusses the technological feats used in the new 6G wireless systems. It discusses the design, automation, and uses for industry as well as testing strategies. Covering topics such as 6G architecture, smart healthcare, and wireless communication, this major reference work is an excellent resource for computer scientists, engineers, students and professors in higher education, researchers, and academicians.

Trust, Complexity and Control Springer

This book constitutes the thoroughly refereed post-proceedings of the 4th International Workshop on Information Security Applications, WISA 2003, held on Jeju Island, Korea, in August 2003. The 36 revised full papers were carefully reviewed and selected from 200 submissions. The papers are organized in topical sections on network security, mobile security; intrusion detection; Internet security; secure software, hardware, and systems; e-commerce security; digital rights management; biometrics and human interfaces; public key cryptography and key management; and applied cryptography.

Security and Privacy Preserving for IoT and 5G Networks Springer Nature

An increasing reliance on the Internet and mobile communication has deprived us of our usual means of assessing another party's trustworthiness. This is increasingly forcing us to rely on control. Yet the notion of trust and trustworthiness is essential to the continued development of a technology-enabled society. Trust, Complexity and Control offers readers a single, consistent explanation of how the sociological concept of 'trust' can be applied to a broad spectrum of technology-related areas; convergent communication, automated agents, digital security, semantic web, artificial intelligence, e-commerce, e-government, privacy etc. It presents a model of confidence in which trust and control are driven and limited by complexity in one explanatory framework and demonstrates how that framework can be applied to different research and application areas. Starting with the individual's assessment of trust, the book shows the reader how application of the framework can clarify misunderstandings and offer solutions to complex problems. The uniqueness of Trust, Complexity and Control is its interdisciplinary treatment of a variety of diverse areas using a single framework. Sections featured include: Trust and distrust in the digital world. The impact of convergent communication and networks on trust. Trust, economy and commerce. Trust-enhancing technologies. Trust, Complexity and Control is an invaluable source of reference for both researchers and practitioners within the Trust community. It will also be of benefit to students and lecturers in the fields of information technology, social sciences and computer engineering.

The Engineering Handbook of Smart Technology for Aging, Disability, and Independence Springer Nature

This book constitutes the refereed proceedings of the First International Workshop on Internet and Network Economics, WINE 2005, held in Hong Kong, China in December 2005. The 108 revised full papers presented together with 2 invited talks were carefully reviewed and selected from 372 submissions. There are 31 papers in the main program and 77 papers presented in 16 special tracks covering the areas of internet and algorithmic economics, e-commerce protocols, security, collaboration, reputation and social networks, algorithmic mechanism, financial computing, auction algorithms, online algorithms, collective rationality, pricing policies, web mining strategies, network economics, coalition strategies, internet protocols, price sequence, and equilibrium.

Innovative Algorithms and Techniques in Automation, Industrial Electronics and Telecommunications Springer Nature

This book constitutes the refereed proceedings of the Second International Conference on High Performance Computing and Communications, HPCC 2006. The book presents 95 revised full papers, addressing all current issues of parallel and distributed systems and high performance computing and communication. Coverage includes networking protocols, routing, and algorithms, languages

and compilers for HPC, parallel and distributed architectures and algorithms, wireless, mobile and pervasive computing, Web services, peer-to-peer computing, and more.

Aging Friendly Technology for Health and Independence Springer Science & Business Media
This book constitutes the refereed proceedings of the 11th IFIP WG 11.11 International Conference on Trust Management, IFIPTM 2017, held in Gothenburg, Sweden, in June 2017. The 8 revised full papers and 6 short papers presented were carefully reviewed and selected from 29 submissions. The papers are organized in the following topical sections: information sharing and personal data; novel sources of trust and trust information; applications of trust; trust metrics; and reputation systems. Also included is the 2017 William Winsborough commemorative address and three short IFIPTM 2017 graduate symposium presentations.

Big Data John Wiley & Sons
The two volumes LNCS 11982 and 11983 constitute the proceedings of the 11th International Symposium on Cyberspace Safety and Security, CSS 2019, held in Guangzhou, China, in December 2019. The 61 full papers and 40 short papers presented were carefully reviewed and selected from 235 submissions. The papers cover a broad range of topics in the field of cyberspace safety and security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability and sustainability issues of cyberspace. They are organized in the following topical sections: network security; system security; information security; privacy preservation; machine learning and security; cyberspace safety; big data and security; and cloud and security;

High Performance Computing and Communications Springer Nature
Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

Privacy and Identity Management. Between Data Protection and Security Springer Nature
This book constitutes the refereed proceedings of the 8th International Conference on Grid and Pervasive Computing, GPC 2016, held in Seoul, Korea, in May 2016. The 20 revised papers were carefully reviewed and selected from 94 submissions. The conference contains various aspects including green computing, cloud computing, virtualisation, data and storage, and network security.

On the Move to Meaningful Internet Systems: OTM 2012 Springer
The book compiles technologies for enhancing and provisioning security, privacy and trust in cloud systems based on Quality of Service requirements. It is a timely contribution to a field that is gaining considerable research interest, momentum, and provides a comprehensive coverage of technologies related to cloud security, privacy and trust. In particular, the book includes - Cloud security fundamentals and related technologies to-date, with a comprehensive coverage of evolution, current landscape, and future roadmap. - A smooth organization with introductory, advanced and specialist content, i.e. from basics of security, privacy and trust in cloud systems, to advanced cartographic techniques, case studies covering both social and technological aspects, and advanced platforms. - Case studies written by professionals and/or industrial researchers. - Inclusion of a section on Cloud security and eGovernance tutorial that can be used for knowledge transfer and teaching purpose. - Identification of open research issues to help practitioners and researchers. The book is a timely topic for readers, including practicing engineers and academics, in the domains related to the engineering, science, and art of building networks and networked applications. Specifically, upon reading this book, audiences will perceive the following benefits: 1. Learn the state-of-the-art in research and development on cloud security, privacy and trust. 2. Obtain a future roadmap by learning open research issues. 3. Gather the background knowledge to tackle key problems, whose solutions will enhance the evolution of next-generation secure cloud systems.

Trust Management XI Springer Science & Business Media
Recent advancements in mobile device technologies are revolutionizing how we socialize, interact, and connect. By connecting the virtual community with the local environment, mobile social networks (MSNs) create the opportunity for a multitude of new personalized services for mobile users. Along with that comes the need for new paradigms, mechanism

Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management Springer Science & Business Media
We are living in a world full of innovations for the elderly and people with special needs to use smart assistive technologies and smart homes to more easily perform activities of daily living, to continue in social participation, to engage in entertainment and leisure activities, and to enjoy living independently. These innovations are inspired by new technologies leveraging all aspects of ambient and pervasive intel- gence with related theories, technologies, methods, applications, and services on ub- uitous, pervasive, AmI, universal, mobile, embedded, wearable, augmented, invisible, hidden, context-aware, calm, amorphous, sentient, proactive, post–PC, everyday, autonomic computing from the engineering, business and organizational perspectives. In the field of smart homes and health telematics, significant research is underway to enable aging and disabled people to use smart assistive technologies and smart homes to foster independent living and to offer them an enhanced quality of life. A smart home is a vision of the future where computers and computing devices will be available naturally and unobtrusively anywhere, anytime, and by different means in our daily living, working, learning, business, and infotainment environments. Such a vision opens tremendous opportunities for numerous novel services/applications that are more immersive, more intelligent, and more interactive in both real and cyber spaces.

Public Key Infrastructure Springer
An advanced look at smart technology to promote the independence of the elderly and disabled Ongoing research and advancements in technology are essential for the continuing independence of elderly and disabled persons. The Engineering Handbook of Smart Technology for Aging, Disability, and Independence provides a thorough analysis of these technologies and the needs of the elderly

and disabled, including a breakdown of demographics, government spending, growth rate, and much more. Each chapter is written by an expert in his or her respective field, and gives readers unparalleled insight into the research and developments in a multitude of important areas, including: User-need analyses, classifications, and policies Assistive devices and systems for people with motor disabilities Assistive devices and systems for people with visual and hearing impairments Human-machine interaction and virtual reality Assistive robotics Technology for user mobility and object manipulation Smart homes as assistant environments A discussion of emerging standards and guidelines to build accessible devices, tools, and environments This book is an indispensable resource for researchers and professionals in computer science, rehabilitation science, and clinical engineering. It also serves as a valuable textbook for graduate students in the aforementioned fields.