

Operating System By Sushil Goel

Provides a set of good practices related to trusted recovery. Helps the vendor and evaluator community understand the requirements for trusted recovery at all applicable classes. Includes: failures, discontinuities, and recovery; properties of trusted recovery; design approaches for trusted recovery; impact on trusted recovery; and satisfying requirements. Glossary and bibliography.

Computer Fundamentals is specifically designed to be used at the beginner level. It covers all the basic hardware and software concepts in computers and its peripherals in a very lucid manner.

Handbook of Database Security: Applications and Trends provides an up-to-date overview of data security models, techniques, and architectures in a variety of data management applications and settings. In addition to providing an overview of data security in different application settings, this book includes an outline for future research directions within the field. The book is designed for industry practitioners and researchers, and is also suitable for advanced-level students in computer science.

Whether you're just starting out with Linux or looking to hone your existing skills, this book will provide you with the knowledge you need. For new users, it is an exploration tour and getting started guide, with exercises at the end of each chapter. Advanced trainees can consider it a desktop reference, a collection of the base knowledge needed to tackle system and network

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administration. To help you work more effectively with Linux, this book contains hundreds of real life examples derived from the author's experience as a Linux system and network administrator, trainer and consultant. These examples will help you to get a better understanding of the Linux system and feel encouraged to try out things on your own.

Stress Tolerance in Horticultural Crops: Challenges and Mitigation Strategies explores concepts, strategies and recent advancements in the area of abiotic stress tolerance in horticultural crops, highlighting the latest advances in molecular breeding, genome sequencing and functional genomics approaches. Further sections present specific insights on different aspects of abiotic stress tolerance from classical breeding, hybrid breeding, speed breeding, epigenetics, gene/quantitative trait loci (QTL) mapping, transgenics, physiological and biochemical approaches to OMICS approaches, including functional genomics, proteomics and genomics assisted breeding. Due to constantly changing environmental conditions, abiotic stress such as high temperature, salinity and drought are being understood as an imminent threat to horticultural crops, including their detrimental effects on plant growth, development, reproduction, and ultimately, on yield. This book offers a comprehensive resource on new developments that is ideal for anyone working in the field of abiotic stress management in horticultural crops, including researchers, students and educators. Describes advances in whole genome and next generation sequencing approaches for breeding climate smart

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horticultural crops Details advanced germplasm tolerance to abiotic stresses screened in the recent past and their performance Includes advancements in OMICS approaches in horticultural crops

It's no secret that certain social groups have predominated India's business and trading history, with business traditionally being the preserve of particular 'Bania' communities. However, the past four or so decades have seen a widening of the social base of Indian capital, such that the social profile of Indian business has expanded beyond recognition, and entrepreneurship and commerce in India are no longer the exclusive bastion of the old mercantile castes. In this meticulously researched book – acclaimed for being the first social history to document and understand India's new entrepreneurial groups – Harish Damodaran looks to answer who the new 'wealth creators' are, as he traces the transitional entry of India's middle and lower peasant castes into the business world. Combining analytical rigour with journalistic flair, India's New Capitalists is an essential read for anyone seeking to understand the culture and evolution of business in contemporary South Asia.

This book features a collection of high-quality, peer-reviewed papers presented at the Third International Conference on Intelligent Computing and Communication (ICICC 2019) held at the School of Engineering, Dayananda Sagar University, Bengaluru, India, on 7 – 8 June 2019. Discussing advanced and multi-disciplinary research regarding the design of smart computing and informatics, it focuses on innovation

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paradigms in system knowledge, intelligence and sustainability that can be applied to provide practical solutions to a number of problems in society, the environment and industry. Further, the book also addresses the deployment of emerging computational and knowledge transfer approaches, optimizing solutions in various disciplines of science, technology and healthcare.

This two-volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric programming; next generation computing; social and web analytics; security in data science analytics; big data analytics.

In this book, the interrupt handling models used by several operating systems are introduced and compared. We begin with an analysis of the classical interrupt management model used by Unix, followed by the schemes used by modern networked environments. We highlight the key challenges of each of these models and how these have been solved by modern operating systems and the research community. Then we analyze the architectures used for general purpose and embedded real-time operating systems.

There is a new awakening in India that is challenging the ongoing westernization of the discourse about India. The Battle for Sanskrit seeks to alert traditional scholars of Sanskrit and sanskriti - Indian civilization - concerning an important school of thought that has its base in the US and that has started to dominate the discourse on the cultural,

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social and political aspects of India. This academic field is called Indology or Sanskrit studies. From their analysis of Sanskrit texts, the scholars of this field are intervening in modern Indian society with the explicitly stated purpose of removing 'poisons' allegedly built into these texts. They hold that many Sanskrit texts are socially oppressive and serve as political weapons in the hands of the ruling elite; that the sacred aspects need to be refuted; and that Sanskrit has long been dead. The traditional Indian experts would outright reject or at least question these positions. The start of Rajiv Malhotra's feisty exploration of where the new thrust in Western Indology goes wrong, and his defence of what he considers the traditional, Indian approach, began with a project related to the Sringeri Sharada Peetham in Karnataka, one of the most sacred institutions for Hindus. There was, as he saw it, a serious risk of distortion of the teachings of the peetham, and of sanatana dharma more broadly. Whichever side of the fence one may be on, *The Battle for Sanskrit* offers a spirited debate marshalling new insights and research. It is a valuable addition to an important subject, and in a larger context, on two ways of looking. Is each view exclusive of the other, or can there be a bridge between them? Readers can judge for themselves.

This database design book provides the reader with a unique methodology for the conceptual and logical design of databases. A step-by-step method is given for developing a conceptual structure for large databases with multiple users. Additionally, the authors provide an up-to-date survey and analysis of existing database design tools.

This book compiles and presents the research results from the past five years in mm-wave Silicon circuits. This area has received a great deal of interest from the research community including several university and research groups. The book covers device modeling, circuit building blocks, phased array

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systems, and antennas and packaging. It focuses on the techniques that uniquely take advantage of the scale and integration offered by silicon based technologies.

Today, when a security incident happens, the top three questions a cyber operation center would ask are: What has happened? Why did it happen? What should I do? Answers to the first two questions form the core of Cyber Situation Awareness (SA). Whether the last question can be satisfactorily addressed is largely dependent upon the cyber situation awareness capability of an enterprise. The goal of this book is to present a summary of recent research advances in the development of highly desirable Cyber Situation Awareness capabilities. The 8 invited full papers presented in this volume are organized around the following topics: computer-aided human centric cyber situation awareness; computer and information science aspects of the recent advances in cyber situation awareness; learning and decision making aspects of the recent advances in cyber situation awareness; cognitive science aspects of the recent advances in cyber situation awareness

The field of database security has expanded greatly, with the rapid development of global inter-networked infrastructure. Databases are no longer stand-alone systems accessible only to internal users of organizations. Today, businesses must allow selective access from different security domains. New data services emerge every day, bringing complex challenges to those whose job is to protect data security. The Internet and the web offer means for collecting and sharing data with unprecedented flexibility and convenience, presenting threats and challenges of their own. This book identifies and addresses these new challenges and more, offering solid advice for practitioners and researchers in industry.

The book proposes new technologies and discusses future

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solutions for design infrastructure for ICT. The book contains high quality submissions presented at Second International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2016) held at Goa, India during 1 - 2 July, 2016. The conference stimulates the cutting-edge research discussions among many academic pioneering researchers, scientists, industrial engineers, and students from all around the world. The topics covered in this book also focus on innovative issues at international level by bringing together the experts from different countries.

This book constitutes the refereed proceedings of the Second International Conference on Security in Computer Networks and Distributed Systems, SNDS 2014, held in Trivandrum, India, in March 2014. The 32 revised full papers presented together with 9 short papers and 8 workshop papers were carefully reviewed and selected from 129 submissions. The papers are organized in topical sections on security and privacy in networked systems; multimedia security; cryptosystems, algorithms, primitives; system and network security; short papers. The workshop papers were presented at the following workshops: Second International Workshop on Security in Self-Organising Networks (Self Net 2014); Workshop on Multidisciplinary Perspectives in Cryptology and Information Security (CIS 2014); Second International Workshop on Trust and Privacy in Cyberspace (Cyber Trust 2014).

Power Cable Technology provides a precise understanding of the design, manufacture, installation, and testing of a range of electric power cables—from low-voltage, 1,000/1,100V cables to extra-high-voltage, 400kV cables—with reference to future trends in the industry. The authors' mantra is: know your cable. Thus, the book begins with a comprehensive overview of power cable design and manufacturing through the ages, and then: Describes the characteristics of the materials

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currently used in the production of various power cables Explains how to calculate the die orifice for drawing wires, how tolerance in manufacturing affects material weight and consumption, and how and why lubricants are used Addresses the formation, stranding, and insulation of the electrical conductors, as well as the sheathing, armouring, and protective covering of the power cables Delivers an in-depth discussion of quality systems, quality control, and performance testing Covers the many nuances of cable installation, including laying, jointing, and terminating Throughout, the authors emphasise consonance between design theory and practical application to ensure production of a quality power cable at a reasonable cost. They also underscore the importance of careful handling, making Power Cable Technology a must read for power cable engineers and technicians alike.

This book constitutes the refereed proceedings of the 4th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2017, held in Gurgaon, India, in October 2017. The 66 revised full papers presented were carefully reviewed and selected from 329 submissions. The papers are organized in topical sections on big data analysis, data centric programming, next generation computing, social and web analytics, security in data science analytics.

Whether you're just starting out with Linux or looking to hone your existing skills, this book will provide you with the knowledge you need.

This edited volume features a wide spectrum of the latest computer science research relating to cyber deception. Specifically, it features work from the areas of artificial intelligence, game theory, programming languages, graph theory, and more. The work presented in this book highlights the complex and multi-faceted aspects of cyber deception,

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identifies the new scientific problems that will emerge in the domain as a result of the complexity, and presents novel approaches to these problems. This book can be used as a text for a graduate-level survey/seminar course on cutting-edge computer science research relating to cyber-security, or as a supplemental text for a regular graduate-level course on cyber-security.

The volume contains 75 papers presented at International Conference on Communication and Networks (COMNET 2015) held during February 19–20, 2016 at Ahmedabad Management Association (AMA), Ahmedabad, India and organized by Computer Society of India (CSI), Ahmedabad Chapter, Division IV and Association of Computing Machinery (ACM), Ahmedabad Chapter. The book aims to provide a forum to researchers to propose theory and technology on the networks and services, share their experience in IT and telecommunications industries and to discuss future management solutions for communication systems, networks and services. It comprises of original contributions from researchers describing their original, unpublished, research contribution. The papers are mainly from 4 areas – Security, Management and Control, Protocol and Deployment, and Applications. The topics covered in the book are newly emerging algorithms, communication systems, network standards, services, and applications.

This book constitutes the refereed proceedings of the 5th International Conference on Information Systems Security, ICISS 2009, held in Kolkata, India, in December 2009. The 17 revised full papers and 4 short papers, presented together with 4 keynote talks were carefully reviewed and selected from 85 initial submissions. The papers are organized in topical sections on authentication, verification, systems security,

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behavior analysis, database security, and cryptography. This book is written in very simple manner and is very easy to understand. It describes the theory with examples step by step. It contains the description of writing these steps in programs in very easy and understandable manner. The book gives full understanding of each theoretical topic and easy implementation in programming. This book will help the students in Self-Learning of Data structures and in understanding how these concepts are implemented in programs. This book is useful for any level of students. It covers the syllabus of B.E. ,B.Tech, DOEACC Society, IGNOU.

This book constitutes the refereed proceedings of the Third International Conference on Information Systems Security, ICISS 2007, held in Delhi, India, in December 2007. The 18 revised full papers and 5 short papers presented together with 4 keynote papers were carefully reviewed and selected from 78 submissions. The submitted topics in cryptography, intrusion detection, network security, information flow systems, Web security, and many others offer a detailed view of the state of the art in information security. The papers are organized in topical sections on network security, cryptography, architectures and systems, cryptanalysis, protocols, detection and recognition, as well as short papers.

EDBT 2000 is the seventh conference in a series dedicated to the advancement of database technology. This year's conference special theme, "Connect Millions of Users and Data Sources," underscores the

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importance of databases for the information age that is dawning with the new millennium. The importance - rives not just from the observation that the information age essentially rests on the convergence of communications, computing, and storage. Equally important, many of the concepts and techniques underlying the success of databases systems have independent meaning and impact for today's distributed information systems. The papers in the volume should also be seen in this light. The EDBT 2000 conference program includes 30 research papers selected by the program committee out of 187 submissions, covering advances in research, development, and applications of databases. The conference program also includes six industry and applications papers, a panel discussion, six tutorials, and several software demonstrations. The conference features three distinguished invited speakers: Ashish Gupta discusses database issues in electronic commerce, Stefano Ceri addresses the impact and challenges of XML on databases, and Andreas Reuter shares his views on new perspectives on database technology. The technical contributions presented at the EDBT 2000 conference are collected and preserved in this volume that we are pleased to present to you with the expectation that it will serve as a valuable research and reference tool in your professional life.

Innovations and Advances in Computer Sciences and Engineering includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and

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Systems Engineering and Sciences. Innovations and Advances in Computer Sciences and Engineering includes selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2008) which was part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2008).

This book constitutes the refereed papers of the 2nd International Conference on Contemporary Computing, which was held in Noida (New Delhi), India, in August 2009. The 61 revised full papers presented were carefully reviewed and selected from 213 submissions and focus on topics that are of contemporary interest to computer and computational scientists and engineers.

The papers are organized in topical sections on Algorithms, Applications, Bioinformatics, and Systems. Motivation for the Book This book seeks to establish the state of the art in the cyber situational awareness area and to set the course for future research. A multidisciplinary group of leading researchers from cyber security, cognitive science, and decision science areas elaborate on the fundamental challenges facing the research community and identify promising solution paths. Today, when a security incident occurs, the top three questions security administrators would ask are in essence: What has happened? Why did it happen? What should I do? Answers to the first two questions form the core of Cyber Situational Awareness. Whether the last question can be satisfactorily answered is greatly dependent upon the cyber situational awareness capability

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of an enterprise. A variety of computer and network security research topics (especially some systems security topics) belong to or touch the scope of Cyber Situational Awareness. However, the Cyber Situational Awareness capability of an enterprise is still very limited for several reasons:

- Inaccurate and incomplete vulnerability analysis, intrusion detection, and forensics.
- Lack of capability to monitor certain microscopic system/attack behavior.
- Limited capability to transform/fuse/distill information into cyber intelligence.
- Limited capability to handle uncertainty.
- Existing system designs are not very “friendly” to Cyber Situational Awareness.

Presents theories and models associated with information privacy and safeguard practices to help anchor and guide the development of technologies, standards, and best practices. Provides recent, comprehensive coverage of all issues related to information security and ethics, as well as the opportunities, future challenges, and emerging trends related to this subject.

Computer Fundamentals & Programming in C

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Computer Networks and Internets is appropriate for all introductory-to-intermediate courses in computer networking, the Internet, or Internet applications; readers need no background in networking, operating systems, or advanced

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mathematics. Leading networking authority Douglas Comer presents a wide-ranging, self-contained tour of the concepts, principles, and technologies that enable today's Internet to support applications ranging from web browsing to telephony and multimedia. This Fifth Edition has been thoroughly reorganized, revised, and updated: it includes extensive new coverage of topics ranging from wireless protocols to network performance, while reducing or eliminating coverage of older protocols and technologies. Comer begins by illuminating the applications and facilities offered by today's Internet. Next, he systematically introduces the underlying network technologies and protocols that make them possible: low-level data communications; packet switching, LAN, and WAN technologies; and Internet protocols such as TCP, IP, UDP, and IPv6. With these concepts and technologies established, he introduces several of the most important contemporary issues faced by network implementers and managers, including quality of service, Internet telephony, multimedia, network security, and network management. Comer has carefully designed this book to support both top-down and bottom-up teaching approaches. Students need no background in operating systems, and no sophisticated math: Comer relies throughout on figures, drawings, examples, and analogies, not mathematical proofs. This is the first book in the two-volume set offering

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comprehensive coverage of the field of computer organization and architecture. This book provides complete coverage of the subjects pertaining to introductory courses in computer organization and architecture, including:

- * Instruction set architecture and design
- * Assembly language programming
- * Computer arithmetic
- * Processing unit design
- * Memory system design
- * Input-output design and organization
- * Pipelining design techniques

Reduced Instruction Set Computers (RISCs) The authors, who share over 15 years of undergraduate and graduate level instruction in computer architecture, provide real world applications, examples of machines, case studies and practical experiences in each chapter.

This book features selected papers presented at the Fourth International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2018). Covering topics such as MEMS and nanoelectronics, wireless communications, optical communications, instrumentation, signal processing, the Internet of Things, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications in mines, it offers a valuable resource for young scholars, researchers, and academics alike.

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Ongoing advancements in modern technology have led to significant developments in artificial intelligence. With the numerous applications available, it becomes imperative to conduct research and make further progress in this field. Artificial Intelligence: Concepts, Methodologies, Tools, and Applications provides a comprehensive overview of the latest breakthroughs and recent progress in artificial intelligence. Highlighting relevant technologies, uses, and techniques across various industries and settings, this publication is a pivotal reference source for researchers, professionals, academics, upper-level students, and practitioners interested in emerging perspectives in the field of artificial intelligence.

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