

## Computer Networks Sanjay Sharma

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Is Nine-Men Morris, in the hands of perfect players, a win for white or for black - or a draw? Can king, rook, and knight always defeat king and two knights in chess? What can Go players learn from economists? What are nimbers, tinies, switches and minies? This book deals with combinatorial games, that is, games not involving chance or hidden information. Their study is at once old and young: though some games, such as chess, have been analyzed for centuries, the first full analysis of a nontrivial combinatorial game (Nim) only appeared in 1902. The first part of this book will be accessible to anyone, regardless of background: it contains introductory expositions, reports of unusual tournaments, and a fascinating article by John H. Conway on the possibly everlasting contest between an angel and a devil. For those who want to delve more deeply, the book also contains combinatorial studies of chess and Go; reports on computer advances such as the solution of Nine-Men Morris and Pentominoes; and theoretical approaches to such problems as games with many players. If you have read and enjoyed Martin Gardner, or if you like to learn and analyze new games, this book is for you.

This book constitutes selected and revised papers of the First International Conference on Artificial Intelligence and Sustainable Computing for Smart City, AIS2C2 2021, held in Greater Noida, India, in March 2021. Due to the COVID-19 pandemic the conference was held online. The 17 full papers and 3 short papers included were thoroughly reviewed and selected from 204 submissions. They are organized in the following topical sections: sentimental and emotions analysis for smart cities; smart specialization strategies for smart cities; security in smart cities; advances applications for future smart cities; healthcare in smart cities; machine learning applications in smart cities.

This book constitutes the refereed proceedings of the First International Conference on Computer Science, Engineering and Information Technology, CCSEIT 2011, held in Tirunelveli, India, in September 2011. The 73 revised full papers were carefully reviewed and selected from more than 400 initial submissions. The papers feature significant contributions to all major fields of the Computer Science and Information Technology in theoretical and practical aspects.

Originally intended for desktop mapping and analysis, Geographic Information Systems have been coupled to other technologies, due to the limitations in commercially available systems, and has occurred in areas including visualisation, simulation, data storage and management and decision support. This book, written by an international group of experts, focuses on the use of GIS and the technology it has been allied to. A companion website offers additional materials and links.

The present volume is a collection of scholarly written essays in honour of Dr. D.C. Ojha by the eminent librarians, Director, Professors, Information Scientists working in INFLIBNET, Universities including National University, DRDO, ICAR, including Agricultural Universities, CSSR, BITS and AICTE and MNIT Colleges of India. The application of Information Technology (IT) and Information Communication Technology (ICT) in libraries have brought the revolutionary changes in the entire concept of library operations, services and management. To peep into it, library and information science professionals, used to get ready to face the challenges emerging due to the adoption of newer technologies. An attempt has been made in the present volume to synthesize all aspects of IT and to put them in the systematic order at one place to understand the conceptual phenomena and to render the better and effective services to clientele. This book not only deals with the theoretical aspects about the application of IT in all types of libraries but there are also some case studies which show the path to march forward. The emergence of Internet, particularly the World Wide Web (WWW) as a new media of information delivery and digitization and virtual libraries, have been discussed, in one way or the other, in almost all chapters of the proposed book. A full chapter has been given on Cyber Crime and Indian Cyber Law. Few important topics covered in this volume are: • Information & Communication Technology (ICT) in Academic Libraries. • Marketing of e-resources. • Evaluation of Indian Library Software Packages. • Information Management in DRDO Libraries. • Digital Libraries. • Library 2.0 • RFID Ssystem for Libraries • Open Source Software for Libraries • IARI Library: A profile • Government Knowledge Centre: A Model for State Public Library. • Cyber Crime and Indian Cyber Law. The book is suppose to be useful for participating librarians, Information Scientists, Research Scholars, Teachers and students of library and information science and to those who feel concerned with modernization and digitization of library resources.

This two-volume set (CCIS 150 and CCIS 151) constitutes the refereed proceedings of the Second International Conference on Ubiquitous Computing and Multimedia Applications, UCMA 2011, held in Daejeon, Korea, in April 2011. The 86 revised full papers presented were carefully reviewed and selected from 570 submissions. Focusing on various aspects of advances in multimedia applications and ubiquitous computing with computational sciences, mathematics and information technology the papers present current research in the area of multimedia and ubiquitous environment including models and systems, new directions, novel applications associated with the utilization, and acceptance of ubiquitous computing devices and systems.

Mobile computing is rapidly becoming a way of life. This is the fastest emerging field, which has created a need for new techniques and solutions. To fulfill need of the hour, this book is designed for graduate and postgraduate students in B. Tech. computer science & Information Technology, computer applications, research scholars and for professionals.

??Holt,Rinchart and Winston 1983??????. -- ??: Modern digital and analog communication systems/B. P. Lathi

This book gathers a collection of high-quality peer-reviewed research papers presented at the 2nd International Conference on Data and Information Sciences (ICDIS 2019), held at Raja Balwant Singh Engineering Technical Campus, Agra, India, on March 29–30, 2019. In chapters written by leading researchers, developers, and practitioner from academia and industry, it covers virtually all aspects of computational sciences and information security, including central topics like artificial intelligence, cloud computing, and big data. Highlighting the latest developments and technical solutions, it will show readers from the computer industry how to capitalize on key advances in next-generation computer and communication technology.

This cutting-edge volume offers a theoretical and applied introduction to the emerging legal technology and informatics industry. Over the past 50 years the volume of wastewater has grown exponentially as a result of the increasing world population and the expansion of industrial developments. Researchers all over the world have been trying to address this issue suitably in order to fight water scarcity; yet, it is only recently that wastewater recycling has caught their attention as an effective and responsible solution. Wastewater is a resource that can be adequately treated to successfully satisfy most water demands as well as decreasing wastewater discharges and preventing pollution. This book presents the studies of some of the most prestigious international scientists and gathers them in three different sections: Wastewater Management and Reuse, Wastewater Treatment options and Risk Assessment. The result is an insightful analysis of waste water management, its treatments, and the processes that have been studied, optimized and developed so far to sustain our environment. Wastewater Reuse and Management represents a valuable resource to academic researchers, students, institutions, environmentalists, and anyone interested in environmental policies aimed at safeguarding both the quality and the quantity of water.

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Routing in Opportunistic Networks focuses on the basics of opportunistic networks, modeling and communication in opportunistic networks, routing in opportunistic networks, and collaboration and cooperation in opportunistic networks. The editors will cover such topics as mobility characterization and discovery in opportunistic networks, scheduling and medium access control in opportunistic networks as well as testbed, tools, and measurements for opportunistic networks.

Computer Networks & Communications (NetCom) is the proceedings from the Fourth International Conference on Networks & Communications. This book covers theory, methodology and applications of computer networks, network protocols and wireless networks, data communication technologies, and network security. The proceedings will feature peer-reviewed papers that illustrate research results, projects, surveys and industrial experiences that describe significant advances in the diverse areas of computer networks & communications.

The digital revolution is characterized by the convergence of technologies, rapidly advancing the 4th industrial revolution thereby blurring the lines between physical, digital and biological objects. The speed of the fourth revolution which evolves at an exponential rate cannot by any means be compared with any previous technologies. AI and IoT employ the interactions and operations in various fields such as home appliances, autonomous vehicles, nanotechnology, robotics, cognitive systems, self-

driving cars and wearable devices. The potential of blockchain technology is realized in many sectors as security plays a crucial role everywhere. This book deeply discusses two of the most critical emerging fields of machine learning: blockchain technology and the Internet of Things.

'Organizations and the Sustainability Mosaic is an inspired collection of papers by a distinguished group of scholars who have been thinking about these issues for many years. The editors have done an outstanding job of framing and focusing the discussion on a group of issues that will matter most as all businesses engage their sustainability challenges. Your thinking will be challenged, and rewarded, by the chapters of this book.' - James E. Post, Boston University, US The contributors to this book present research on crafting long-term ecological and societal solutions in order to achieve sustainability. The in-depth analyses explore the interactions among social, environmental, and development impacts of organizations at community, regional, national and global levels. In doing so they shed light on the way forward amidst the complexity of issues involved, referred to here as the sustainability mosaic.

This volume constitutes the refereed proceedings of the International Conferences, FGCN and DCA 2012, held as part of the Future Generation Information Technology Conference, FGIT 2012, Kangwondo, Korea, in December 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of future generation communication and networking, and digital contents and applications.

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.

The three volume set LNICST 84 - LNICST 86 constitute the refereed proceedings of the Second International Conference on Computer Science and Information Technology, CCSIT 2012, held in Bangalore, India, in January 2012.

The 66 revised full papers presented in this volume were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on networks and communications; wireless and mobile networks; and network security.

Our culture is one that speaks rather than listens. From reality TV to political rallies, there is a clamour to be heard, to narrate, and to receive attention. It reduces 'reality' to revelation and voyeurism. The Art of Listening argues that this way of life is having severe and damaging consequences in a world that is increasingly globalized and where time and space is ever more rare. It addresses the question: how can we listen more carefully? Theory is combined with real stories from the experiences of the desperate stowaways who hide in the undercarriage of jet planes in order to seek asylum, to the young working-class people who use tattooing to commemorate a lost love. Les Back shows how sociology is in a unique position to record 'life passed in living' and to listen to complex experiences with humility and ethical care, in opposition to the Babel of voyeurism that has taken hold in the mainstream media.

This book presents new communication and networking technologies, an area that has gained significant research attention from both academia and industry in recent years. It also discusses the development of more intelligent and efficient communication technologies, which are an essential part of current day-to-day life, and reports on recent innovations in technologies, architectures, and standards relating to these technologies. The book includes research that spans a wide range of communication and networking technologies, including wireless sensor networks, big data, Internet of Things, optical and telecommunication networks, artificial intelligence, cryptography, next-generation networks, cloud computing, and natural language processing. Moreover, it focuses on novel solutions in the context of communication and networking challenges, such as optimization algorithms, network interoperability, scalable network clustering, multicasting and fault-tolerant techniques, network authentication mechanisms, and predictive analytics. Exchange of information and innovative ideas are necessary to accelerate the development of technology. With advent of technology, intelligent and soft computing techniques came into existence with a wide scope of implementation in engineering sciences. Keeping this ideology in preference, this book includes the insights that reflect the 'Advances in Computer and Computational Sciences' from upcoming researchers and leading academicians across the globe. It contains high-quality peer-reviewed papers of 'International Conference on Computer, Communication and Computational Sciences (ICCCCS 2016)', held during 12-13 August, 2016 in Ajmer, India. These papers are arranged in the form of chapters. The content of the book is divided into two volumes that cover variety of topics such as intelligent hardware and software design, advanced communications, power and energy optimization, intelligent techniques used in internet of things, intelligent image processing, advanced software engineering, evolutionary and soft computing, security

and many more. This book helps the perspective readers' from computer industry and academia to derive the advances of next generation computer and communication technology and shape them into real life applications.

Pratiyogita Darpan (monthly magazine) is India's largest read General Knowledge and Current Affairs Magazine.

Pratiyogita Darpan (English monthly magazine) is known for quality content on General Knowledge and Current Affairs. Topics ranging from national and international news/ issues, personality development, interviews of examination toppers, articles/ write-up on topics like career, economy, history, public administration, geography, polity, social, environment, scientific, legal etc, solved papers of various examinations, Essay and debate contest, Quiz and knowledge testing features are covered every month in this magazine.

This text gives the proceedings for the fifth conference on parallel processing for scientific computing.

?This book constitutes the first part of the refereed proceedings of the Third International Conference, IC3 2010, held in Noida, India, in August 2010. The 23 revised full papers presented were carefully reviewed and selected from numerous submissions.

The Department of Electronics and Communication Engineering of KIET Group of Institutions, Delhi-NCR organized the 4th International Conference ICCE-2020 during November 28-29, 2020. Information compiled in this book is based on the 114 research papers of excellent quality covering different domains of Electronics and Communication Engineering, Computer Science Engineering, Information Technology, Electrical Engineering, Electronics and Instrumentation Engineering. The subject areas treated in the book are: Satellite, Radar and Microwave Techniques, Secure, Smart, and Reliable Networks, Next Generation Networks, Devices & Circuits, Signal & Image Processing, New Emerging Technologies, having the central focus on Recent Trends in Communication & Electronics (ICCE-2020). In addition, a few themes based on Special Sessions have also been conducted in ICCE-2020. The objective of the book resulting from the 4th International Conference on Recent Trends in Communication & Electronics (ICCE-2020) is to provide a resource for the study and research work for an interested audience comprising of researchers, students, audience, and practitioners in the areas of Communications & Computing Systems.

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