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Computer Graphics Rajesh K Maurya

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Computer Networks and Information Technologies

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Proceedings of ICICC 2021, Volume 3

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Machine Learning, Advances in Computing, Renewable Energy and Communication

IC_SWMD 2018

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Expert Clouds and Applications

Data Structures Using C

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Recent Trends in Image Processing and Pattern Recognition

Coherent Light-Matter Interactions in Monolayer Transition-Metal Dichalcogenides

Volume 1

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Networking Communication and Data Knowledge Engineering

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Graphics
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edited by*

COOPER MORROW

Computer Networks and Information

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Nature

The book compiles the research works related to smart solutions concept in context to smart energy systems, maintaining electrical grid discipline and resiliency, computational collective intelligence consisted of

interaction between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It includes high-quality papers presented in the International Conference on Intelligent Computing Techniques for Smart Energy Systems organized by Manipal University Jaipur. This book will motivate scholars to work in these areas. The book also prophesies their approach to be used for

the business and the humanitarian technology development as research proposal to various government organizations for funding approval.

RACCCS 2017

Packt Publishing Ltd

This book includes high-quality research papers presented at the Fourth International Conference on Innovative Computing and Communication (ICICC 2021), which is held at the Shaheed Sukhdev College of

Business Studies, University of Delhi, Delhi, India, on February 20–21, 2021. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

Global Positioning System

Springer
This book focuses on soft computing and how it can be applied to solve real-world problems arising in various domains, ranging from medicine and healthcare, to supply chain management, image processing and cryptanalysis. It gathers high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2020), organized online. The book is divided into two volumes and offers valuable insights into soft computing for teachers and researchers alike; the book will inspire further research in this dynamic field.

THEORY AND PRACTICE USING OPENGL AND MAYA®

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Second Edition Of The Book Is The Result Of A Fresh Study Of The Latest In The Technology And Syllabi Of Various Universities. Thus, It Intends To Make Students Up-To-Date In Knowledge, And To Make The Book More Comprehensive And Relevant At The All-India **Proceedings of ICICC 2021, Volume 3** Springer
Special Features: "
Discusses virtual reality in three dedicated chapters"
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Presents topics from elementary display systems to the most advanced animation and virtual reality systems "
Matches with the engineering syllabus of Mumbai University
Includes over: § 262 neatly-drawn illustrations and figures § 44 solved examples § 255 review questions § 70 multiple-choice questions and their solutions § 57 programming exercises as an appendix § 40 programming practice
About The Book:
Computer Graphics with Virtual Reality Systems is

a comprehensive book for undergraduate engineering students of computer science and information technology. The book is a must-have for students, professionals and practitioners interested in object design, transformation, visualization and modeling of real world. Besides, the book is also useful to students of diploma courses and vocational courses at open universities, distance education universities in graphics and animation. Scholars and practitioners, studying computer graphics, image analysis and multimedia courses, can also find the book very helpful.
[Computer Graphics with An Introduction to Multimedia, 4th Edition](#)
Springer Nature
The book provides insights from the 2nd International Conference on Communication, Computing and Networking organized by the Department of Computer Science and Engineering, National Institute of Technical Teachers Training and Research, Chandigarh, India on March 29–30, 2018. The book includes contributions in which researchers, engineers,

and academicians as well as industrial professionals from around the globe presented their research findings and development activities in the field of Computing Technologies, Wireless Networks, Information Security, Image Processing and Data Science. The book provides opportunities for the readers to explore the literature, identify gaps in the existing works and propose new ideas for research.

Machine Learning, Advances in Computing, Renewable Energy and Communication Springer Master the art of writing beautiful and powerful Python by using all of the features that Python 3.5 offers About This Book Become familiar with the most important and advanced parts of the Python code style Learn the trickier aspects of Python and put it in a structured context for deeper understanding of the language Offers an expert's-eye overview of how these advanced tasks fit together in Python as a whole along with practical examples Who This Book Is For Almost anyone can learn to write working script and create high quality code but they might lack a structured understanding of what it

means to be 'Pythonic'. If you are a Python programmer who wants to code efficiently by getting the syntax and usage of a few intricate Python techniques exactly right, this book is for you. What You Will Learn Create a virtualenv and start a new project Understand how and when to use the functional programming paradigm Get familiar with the different ways the decorators can be written in Understand the power of generators and coroutines without digressing into lambda calculus Create metaclasses and how it makes working with Python far easier Generate HTML documentation out of documents and code using Sphinx Learn how to track and optimize application performance, both memory and cpu Use the multiprocessing library, not just locally but also across multiple machines Get a basic understanding of packaging and creating your own libraries/applications In Detail Python is a dynamic programming language. It is known for its high readability and hence it is often the first language learned by new programmers. Python

being multi-paradigm, it can be used to achieve the same thing in different ways and it is compatible across different platforms. Even if you find writing Python code easy, writing code that is efficient, easy to maintain, and reuse is not so straightforward. This book is an authoritative guide that will help you learn new advanced methods in a clear and contextualised way. It starts off by creating a project-specific environment using venv, introducing you to different Pythonic syntax and common pitfalls before moving on to cover the functional features in Python. It covers how to create different decorators, generators, and metaclasses. It also introduces you to functools.wraps and coroutines and how they work. Later on you will learn to use asyncio module for asynchronous clients and servers. You will also get familiar with different testing systems such as py.test, doctest, and unittest, and debugging tools such as Python debugger and faulthandler. You will learn to optimize application performance so that it works efficiently across multiple machines

and Python versions. Finally, it will teach you how to access C functions with a simple Python call. By the end of the book, you will be able to write more advanced scripts and take on bigger challenges. **Style and Approach** This book is a comprehensive guide that covers advanced features of the Python language, and communicate them with an authoritative understanding of the underlying rationale for how, when, and why to use them.

IC_SWMD 2018 Springer This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IIENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.



Springer Nature
 Editors: () Andries van Dam () Steven K. Feiner () John F. Hughes ()

VOLUME 2

Springer This book constitutes the refereed proceedings of the 4th International Symposium on Security in Computing and Communications, SSCC 2016, held in Jaipur, India, in September 2016. The 23 revised full papers presented together with 16 short papers and an invited paper were carefully reviewed and selected from 136 submissions. The papers are organized in topical sections on cryptosystems, algorithms, primitives; security and privacy in networked systems; system and network security; steganography, visual cryptography, image forensics; applications security. *Expert Clouds and Applications* Springer The book focuses on soft computing and its applications to solve real-world problems in different domains, ranging from medicine and health care, to supply chain management, image processing and

cryptanalysis. It includes high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2018), organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. Offering significant insights into soft computing for teachers and researchers alike, the book inspires more researchers to work in the field of soft computing.

[Data Structures Using C](#)
 Springer

This textbook covers in detail digitally-driven methods for adding materials together to form parts. A conceptual overview of additive manufacturing is given, beginning with the fundamentals so that readers can get up to speed quickly. Well-established and emerging applications such as rapid prototyping, micro-scale manufacturing, medical applications, aerospace manufacturing, rapid tooling and direct digital manufacturing are also discussed. This book provides a comprehensive overview of additive manufacturing technologies as well as relevant supporting technologies such as

software systems, vacuum casting, investment casting, plating, infiltration and other systems. Reflects recent developments and trends and adheres to the ASTM, SI and other standards; Includes chapters on topics that span the entire AM value chain, including process selection, software, post-processing, industrial drivers for AM, and more; Provides a broad range of technical questions to ensure comprehensive understanding of the concepts covered.

Proceedings of SoCTA 2017 Springer Nature

Advances in Environmental Pollution Management: Wastewater Impacts and Treatment Technologies has been designed to bind novel knowledge of wastewater pollution-induced impacts on various aspects of our environment. The book also contains novel methods and tools for the monitoring and treatment of produced wastewater.

Recent Trends in Image Processing and Pattern Recognition

Springer

Traces India's economic and social transformation into a free-market democracy, sharing the stories of its top players while weaving in the

author's own life experiences as a former CEO for Procter & Gamble India. Reprint.

Coherent Light-Matter Interactions in Monolayer Transition-Metal Dichalcogenides Springer Nature

The Harmony Search Algorithm (HSA) is one of the most well-known techniques in the field of soft computing, an important paradigm in the science and engineering community. This volume, the proceedings of the 2nd International Conference on Harmony Search Algorithm 2015 (ICHSA 2015), brings together contributions describing the latest developments in the field of soft computing with a special focus on HSA techniques. It includes coverage of new methods that have potentially immense application in various fields. Contributed articles cover aspects of the following topics related to the Harmony Search Algorithm: analytical studies; improved, hybrid and multi-objective variants; parameter tuning; and large-scale applications. The book also contains papers discussing recent advances on the following topics: genetic algorithms; evolutionary strategies;

the firefly algorithm and cuckoo search; particle swarm optimization and ant colony optimization; simulated annealing; and local search techniques. This book offers a valuable snapshot of the current status of the Harmony Search Algorithm and related techniques, and will be a useful reference for practising researchers and advanced students in computer science and engineering.

Volume 1 Springer Nature

This book gathers selected papers presented at International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC 2020), held in Krishna Engineering College, Ghaziabad, India, during December 17–18, 2020. This book discusses key concepts, challenges, and potential solutions in connection with established and emerging topics in advanced computing, renewable energy, and network communications.

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Springer Nature

This book includes original unpublished contributions presented at the

International Conference on Data Analytics and Management (ICDAM 2021), held at Jan Wyzykowski University, Poland, during June 2021. The book covers the topics in data analytics, data management, big data, computational intelligence, and communication networks. The book presents innovative work by leading academics, researchers, and experts from industry which is useful for young researchers and students.

**Networking
Communication and
Data Knowledge
Engineering** Springer

This text offers complete coverage of computer graphics. As a textbook, it can be used effectively in senior-level computer graphics courses or in first year graduate-level courses. It features an emphasis on rendering and in-depth coverage of all classical computer graphics algorithms. Procedural Elements of Computer Graphics also contains more than 90 worked examples, and is suitable for use by professional

programmers, engineers, and scientists.

**SOFT COMPUTING:
THEORIES AND
APPLICATIONS**

Anchor
Market_Desc: Special Features: · Covers Practical Examples About The Book: This book provides information about language processors and also introduces to design and implementation of various types of system software such as assemblers, macros, loaders, and linkers. Along with this, you will also learn about compilers, aspects of compilation, memory allocation, compilation of expression and control structure, code optimization, and interpreters.

Second International Conference on Advances in Communication, Network, and Computing, CNC 2011, Bangalore, India, March 10-11, 2011. Proceedings S. Chand Publishing

This book highlights recent advances in Cybernetics, Machine Learning and Cognitive

Science applied to Communications Engineering and Technologies, and presents high-quality research conducted by experts in this area. It provides a valuable reference guide for students, researchers and industry practitioners who want to keep abreast of the latest developments in this dynamic, exciting and interesting research field of communication engineering, driven by next-generation IT-enabled techniques. The book will also benefit practitioners whose work involves the development of communication systems using advanced cybernetics, data processing, swarm intelligence and cyber-physical systems; applied mathematicians; and developers of embedded and real-time systems. Moreover, it shares insights into applying concepts from Machine Learning, Cognitive Science, Cybernetics and other areas of artificial intelligence to wireless and mobile systems, control systems and biomedical engineering.

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