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**SEASONS, EASTER AND ASTRONOMICAL MOTIONS** Pier Paolo Ricci 2013-11 This book, the last of the series dedicated to the solar system, includes various aspects of different kinds of planets during their evolution over the centuries, like the seasons, the length of the day, the precession, the orbital elements of the planets, the date of Easter and much more. A chapter is also dedicated to the transits and occultations visible to the other planets. This is not a technical and difficult to read manual, but a complete and very detailed description of what the sky gives us throughout our lives, so each table is ready for use, and each reported event will be easily visible to the naked eye or possibly with a simple pair of binoculars. The book is for stargazing astronomers and professionals. Questo libro, l'ultimo della serie dedicata al sistema solare, include vari aspetti di diversa natura dei pianeti affrontati nella loro evoluzione nel corso dei secoli, come le stagioni, la durata del giorno, la precessione, gli elementi orbitali dei pianeti, la data della Pasqua e ta

**Enabling Healthcare 4.0 for Pandemics** Abhinav Juneja 2021-09-08 ENABLING HEALTHCARE 4.0 for PANDEMICS The book explores the role and scope of AI, machine learning and other current technologies to handle pandemics. In this timely book, the editors explore the current state of practice in Healthcare 4.0 and provide a roadmap for harnessing artificial intelligence, machine learning, and Internet of Things, as well as other modern cognitive technologies, to aid in dealing with the various aspects of an emergency pandemic outbreak. There is a need to improvise healthcare systems with the intervention of modern computing and data management platforms to increase the reliability of human processes and life expectancy. There is an urgent need to come up with smart IoT-based systems which can aid in the detection, prevention and cure of these pandemics with more precision. There are a lot of challenges to overcome but this book proposes a new approach to organize the technological warfare for tackling future pandemics. In this book, the reader will find: State-of-the-art technological advancements in pandemic management; AI and ML-based identification and forecasting of pandemic spread; Smart IoT-based ecosystem for pandemic scenario. Audience The book will be used by researchers and practitioners in computer science, artificial intelligence, bioinformatics, data scientists, biomedical statisticians, as well as industry professionals in disaster and pandemic management.

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**Advances in Managing Energy and Climate Risks** Stéphane Goutte 2021-04-21 This book presents research related to energy and environmental technologies in the context of market liberalization and global warming. It focuses on the development and efficient use of alternative energy sources, implementation of sustainable energy policies, power generation, and energy finance. Advances in Managing Energy and Climate Risks provides readers with the necessary information to use energy sources more efficiently, discover cleaner energy sources and their applications, and urge consumers and producers to make changes to reach a carbon-neutral economy through financial, technological, regulatory and tax incentives.

**Pandas in Action** Boris Paskhaver 2021-09-28 Pandas has rapidly become one of Python's most popular data analysis libraries. With pandas you can efficiently sort, analyze, filter and munge almost any type of data. Pandas in Action shows you how to master this versatile tool and take the next steps in your data science career. Pandas has rapidly become one of Python's most popular data analysis libraries. With pandas you can efficiently sort, analyze, filter and munge almost any type of data. Pandas in Action shows you how to master this versatile tool and take the next steps in your data science career. Pandas in Action makes it easy to dive

into Python-based data analysis. You'll learn to use pandas to automate repetitive spreadsheet functionality and derive insight from data by sorting columns, filtering data subsets, and creating multi-levelled indices. Each chapter is a self-contained tutorial, letting you dip in when you need to troubleshoot tricky problems. Best of all, you won't be learning from sterile or randomly created data. You'll start with a variety of datasets that are big, small, incomplete, broken, and messy and learn how to clean and format them for proper analysis. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

**Practical IoT Hacking** Fotios Chantzis 2021-03-23 The definitive guide to hacking the world of the Internet of Things (IoT) -- Internet connected devices such as medical devices, home assistants, smart home appliances and more. Drawing from the real-life exploits of five highly regarded IoT security researchers, Practical IoT Hacking teaches you how to test IoT systems, devices, and protocols to mitigate risk. The book begins by walking you through common threats and a threat modeling framework. You'll develop a security testing methodology, discover the art of passive reconnaissance, and assess security on all layers of an IoT system. Next, you'll perform VLAN hopping, crack MQTT authentication, abuse UPnP, develop an mDNS poisoner, and craft WS-Discovery attacks. You'll tackle both hardware hacking and radio hacking, with in-depth coverage of attacks against embedded IoT devices and RFID systems. You'll also learn how to:

- Write a DICOM service scanner as an NSE module
- Hack a microcontroller through the UART and SWD interfaces
- Reverse engineer firmware and analyze mobile companion apps
- Develop an NFC fuzzer using Proxmark3
- Hack a smart home by jamming wireless alarms, playing back IP camera feeds, and controlling a smart treadmill

The tools and devices you'll use are affordable and readily available, so you can easily practice what you learn. Whether you're a security researcher, IT team member, or hacking hobbyist, you'll find Practical IoT Hacking indispensable in your efforts to hack all the things

REQUIREMENTS: Basic knowledge of Linux command line, TCP/IP, and programming

**Mansions of the Moon: A Lunar Zodiac for Astrology and Magic 2nd Edition with 2019-2033 Mansion Ephemeris** Christopher Warnock

**Compendium of GST FORMS and relevant Notifications issued from June 2017 upto October 2020** Jaimini Narayan Khurjekar 2020-12-30 This book basically consist of compilation of all GST FORMS prescribed under CGST Act, 2017/CGST Rules, 2017 and compilation of relevant provisions of CGST Act 2017 and CGST Rules 2017 [ as amended till 31.10.2020] together with all Notifications, Circulars, Orders issued during 01.07.2017 to 31.10.2020. Government has issued more than 400 Notifications and more than 100 Circulars and Orders during last three years, which are relevant to the subject matter of this book, and these references are difficult to view at one place chronologically, when needed for tracking of Compliances of GST provisions as governed by the various GST FORMS. This eBook is aimed at mitigating such difficulty, by arranging all those Notifications, Circulars, provisions of Act and Rules chronologically, at one place, subject wise, so that it becomes easy reference for reader to access and view them, when needed, instantly. Accordingly, we have created 19 groups of FORMS and all the provisions of Act and Rules and Notifications, Circulars, Orders have been placed below each Group for easy reference. Apart from these 19 groups few more groups have been created for Compilation of Late fee and interest waiver notifications, compilation of provisions of newly inserted Section 168A in CGST Act, 2017 and notifications and circulars issued thereunder. We have also compiled all other allied GST acts for ready reference. With the introduction of Central Goods and Services Tax Act, the Government decided to move towards IT based implementation of GST Law across India. More than 180 different FORMS have been introduced under this legislation for







the meticulous fact-based groundwork by an international team.” Carlson Tong, GBS, JP Former Chairman, Securities and Futures Commission, Hong Kong Chairman, University Grants Committee, Hong Kong Information Management and Big Data Juan Antonio Lossio-Ventura 2021 This book constitutes the refereed proceedings of the 7th International Conference on Information Management and Big Data, SIMBig 2020, held in Lima, Peru, in October 2020.\* The 32 revised full papers and 7 revised short papers presented were

carefully reviewed and selected from 122 submissions. The papers address topics such as natural language processing and text mining; machine learning; image processing; social networks; data-driven software engineering; graph mining; and Semantic Web, repositories, and visualization. \*The conference was held virtually.

**PN-EN ISO 14971:2020-05/A11** Polski Komitet Normalizacyjny 2022