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**KEY=PROTECTION - LOZANO KRISTA**

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## WordPress 2.7 Cookbook

*Packt Publishing Ltd* **Annotation About 120,000 blogs are created every day. Most of them quickly die, but a few stay, grow up, and then become well known and respected places on the Web. If you are seriously interested in being in the top league, you will need to learn all the tricks of the trade. WordPress 2.7 Cookbook focuses on providing solutions to common WordPress problems, to make sure that your blog will be one of the ones that stay. The author's experience with WordPress enables him to share insights on using WordPress effectively, in a clear and friendly way, giving practical hands-on solutions to WordPress problems, questions, and common tasks \_ from themes to widgets and from SEO to security. Are you feeling limited with WordPress, or are you wondering how popular blogs do a certain kind of thing that you can't? With this cookbook, you will learn many WordPress secrets and techniques, with step-by-step, useful recipes dedicated to achieving a particular goal or solve a particular problem. You'll learn the secret of expensive premium themes, how to optimize your blog for SEO and online profits, and how to supercharge WordPress with killer functions used by the most popular blogs over the Internet.**

# Electrical Notes

## Electrical Articles & Notes

*Jignesh.Parmar* =3 No's of Volume, Total 725 Pages (more than 138 Topics) in PDF format with watermark on each Page. =soft copy in PDF will be delivered. Part-1 :Electrical Quick Data Reference: Part-2 :Electrical Calculation Part-3 :Electrical Notes: Part-1 :Electrical Quick Data Reference: 1 Measuring Units 7 2 Electrical Equation 8 3 Electrical Thumb Rules 10 4 Electrical Cable & Overhead Line Bare Conductor Current Rating 12 Electrical Quick Reference 5 Electrical Quick Reference for Electrical Costing per square Meter 21 6 Electrical Quick Reference for MCB / RCCB 25 7 Electrical Quick Reference for Electrical System 31 8 Electrical Quick Reference for D.G set 40 9 Electrical Quick Reference for HVAC 46 10 Electrical Quick Reference for Ventilation / Ceiling Fan 51 11 Electrical Quick Reference for Earthing Conductor / Wire / Strip 58 12 Electrical Quick Reference for Transformer 67 13 Electrical Quick Reference for Current Transformer 73 14 Electrical Quick Reference for Capacitor 75 15 Electrical Quick Reference for Cable Gland 78 16 Electrical Quick Reference for Demand Factor-Diversity Factor 80 17 Electrical Quick Reference for Lighting Density (W/m<sup>2</sup>) 87 18 Electrical Quick Reference for illuminance Lux Level 95 19 Electrical Quick Reference for Road Lighting 126 20 Electrical Quick Reference for Various illuminations Parameters 135 21 Electrical Quick Reference for IP Standard 152 22 Electrical Quick Reference for Motor 153 23 Electrical Quick Reference O/L Relay , Contactor for Starter 155 24 Electrical Quick Reference for Motor Terminal Connections 166 25 Electrical Quick Reference for Insulation Resistance (IR) Values 168 26 Electrical Quick Reference for Relay Code 179 27 Standard Makes & IS code for Electrical Equipment's 186 28 Quick Reference for Fire Fighting 190 29 Electrical Quick Reference Electrical Lamp and Holder 201 Electrical Safety Clearance 30 Electrical Safety Clearances-Qatar General Electricity 210 31 Electrical Safety Clearances-Indian Electricity Rules 212 32 Electrical Safety Clearances-Northern Ireland Electricity (NIE) 216 33 Electrical Safety Clearances-ETSA Utilities / British Standard 219 34 Electrical Safety Clearances-UK Power Networks 220 35 Electrical Safety Clearances-New Zealand Electrical Code (NZECP) 221 36 Electrical Safety Clearances-Western Power Company 223 37 Electrical Safety Clearance for Electrical Panel 224 38 Electrical Safety Clearance for Transformer. 226 39 Electrical Safety Clearance for Sub Station Equipment's 228 40 Typical Values of Sub Station Electrical Equipment's. 233 41 Minimum Acceptable Specification of CT for Metering 237 Abstract of Electrical Standard

42 Abstract of CPWD In Internal Electrification Work 239 43 Abstract of IE Rules for DP Structure 244 44 Abstract of IS: 3043 Code for Earthing Practice 246 45 Abstract of IS:5039 for Distribution Pillars (<1KV AC & DC) 248 46 Abstract IS: 694 / IS:1554 / IS: 11892 for Cable 249 47 Abstract IS:15652 for Insulating Mat / IS: 11171 for Transformer 251 48 Abstract IS: 1678 / IS:1445 252 49 Abstract IS: 1255 for Cable Rote & Laying Method of Cable 253 50 Abstract IS: 5613 for HV Line 255 51 Abstract of Indian Electricity Rules (IE Rules) 260 Part-2 :Electrical Calculation: 1 Calculate Number of Earthing Pits for System 264 2 Calculate Size of Cable for Motor as per National Electrical Code 270 3 Calculate Transformer Protection as per National Electrical Code 272 4 Calculate over current Protection of Transformer (NEC 450.3) 274 5 Calculate Size of Contactor, Fuse, C.B, O/L Relay of DOL Starter 279 6 Calculate Size of Contactor, Fuse, C.B, O/L Relay of Star-Delta Starter 281 7 Calculate Transformer Size & Voltage Drop due to starting of Single Large Motor 284 8 Calculate TC Size & Voltage Drop due to starting of multiple no of Motors 285 9 Calculate Voltage Regulation for 11KV, 22KV, 33KV Overhead Line ( REC) 286 10 Calculation Technical Losses of Distribution Line 289 11 Calculate Cable Size and Voltage Drop of HT / LV Cable 291 12 Calculate IDMT over Current Relay Setting (50/51) 294 13 Calculate Size of Capacitor Bank / Annual Saving & Payback Period 296 14 Calculate No of Street Light Pole 299 15 Calculate No of Lighting Fixtures / Lumens for Indoor Lighting 301 16 Calculate Street Light Pole Distance & Watt Area 302 17 Calculate Short Circuit Current (Isc) 303 18 Calculate Size of Bus bar for Panel 307 19 Calculate Size of Cable Tray 312 20 Calculate Size of Diesel Generator Set 314 21 Calculate Size of Main ELCB & Branch MCB of Distribution Box 317 22 Calculate Size of Solar Panels 322 23 Calculate Size of Inverter & Battery Bank 324 24 Calculate Cable Trunking Size 328 25 Calculate Size of Conduit for Cables / Wires 329 26 Calculate Cable Voltage Drop for Street Light Pole 330 27 Calculate Lighting Protection for Building / Structure 333 28 Calculation Size of Pole Foundation & Wind Pressure on Pole 336 29 Calculation of Flood Light, Facade Light, Street Light and Signage Light 338 30 Calculate Size of Neutral Earthing Transformer (NET) 345 31 Calculate Transformer Regulation & Losses (As per Name Plate) 347 32 Calculation of Crippling (Ultimate Transverse) Load on Electrical Pole 349 33 Calculate Size of Circuit Breaker Fuse for Transformer (As per NEC) 351 34 Calculate Size of Ventilation Fan 353 35 Calculate Motor-Pump Size 354 36 Calculate Lighting Fixture's Beam Angle and Lumen 356 Part-3 : Electrical Notes: Motor & Starter 1 Direct On Line Starter 359 2 Star-Delta Starter 364 3 Motor Number Plate Terminology 370 Transformer 4 Three Phase Transformer Connection 372 5 Vector Group of Transformer 388 6 Difference between Power Transformer & Distribution Transformer 401 7 Parallel Operation of Transformers 402 8 Various Routine Test of Transformer 409 9 Standard Transformer Accessories & Fittings 423 10 Basic of Current transformers 437 Lighting Luminars 11 Selection of Lighting Luminaries 453 12 Different Type of Lamps and Control Gear 467 13 What should you know before buying LED Bulbs 481 14 Type of

Lighting Bulb Base & Socket 490 15 Type of Lighting Bulb Shape & Size 497 16 What is Fixture's Beam Angle & Beam Diameter 521 17 Difference between High Bay and Low Bay Flood Light 526 18 Various Factor for illumination Calculation 532 19 How to design efficient Street Light 539 Cables 20 Cable Construction & Cable Selection 566 21 Difference between Unearthed & Earthed Cables 575 22 Low Voltage and High Voltage Cable Testing 577 23 EHV/HV Cable Sheath Earthing 580 24 HIPOT Testing 588 25 Type of Cable Tray 591 26 Type of Cable Glands 595 27 Cable Tray Size as per National Electrical Code-2002, Article 392 599 Earthings 28 What is Earthing 601 29 Difference between Bonding, Grounding and Earthing 606 MCB / MCCB / Fuse / Relay 30 Working Principle of ELCB / RCCB 609 31 Difference between MCB-MCCB-ELCB-RCBO-RCCB 613 32 What is Correct Method of MCB Connections 616 33 Type of MCB & Distribution Board 620 34 Type and Specification of Fuse 624 35 How to Select MCB / MCCB 637 36 Tripping Mechanism of MCCB 645 37 Setting of over Load, Short circuit & Ground Fault Protection of MCCB 650 38 Types and Revolution of Electrical Relay 656 Electrical Questions & Answers 39 Electrical Questions & Answers 674 Power Distributions & Transmissions 40 Type of Electrical Power Distribution System 697 41 Impact of Floating Neutral in Power Distribution 703 42 Total Losses in Power Distribution & Transmission Lines 708 43 Single Earthed Neutral and Multi Earthed Neutral 714 44 Types of Neutral Earthing in Power Distribution 717 45 Effects of unbalanced Electrical Load 726 46 Vibration Damper in Transmission Line 732 47 What is Ferranti Effect 735 48 What is Corona Effect 737 49 Harmonics and its Effects 745 50 What is Demand Factor-Diversity Factor-Utilization Factor-Load Factor 755 51 Guideline of Design Electrical Network for Building / Small Area. 764 52 Type-Size- Location of Capacitor in Electrical System 766 53 Types of Overhead Conductors 775 54 What is Power Factor 783 55 11KV/415V over Head Line's Specification as per REC 790 56 Analysis the Truth behind Household Power Savers 803 57 How Reactive Power helpful to maintain a System Healthy 806 58 Effects of High Voltage Transmission Lines on Humans and Plants 813 59 How to save Electrical energy at Home 819 Others 60 Type of Lighting Arrestor 822 61 Selection of Surge Protective Device (SPD) 831 62 Selection of Various Types of Inverter 842 63 Selection of Various Types of UPS 852 64 Method of Earth Resistance Testing 860

## Beginning WordPress 3

*Apres* One of the most popular open source blogging and content management systems, Wordpress lets you create a website to promote yourself or your business quickly and easily—and better yet, it's free. WordPress is a flexible, user-friendly system, and it can be extended with a variety of themes and plugins. Beginning WordPress 3 is a complete

guide for the beginning developer who wants to start using WordPress. You'll learn how to publish and manage online content, add media, create widgets and plugins, and much more.

## WordPress on Demand

*Que Publishing* **WordPress on Demand** will cover both WordPress.com and WordPress.org in a visual, step-by-step format. In addition to offering detailed guidance on how to complete dozens of common WordPress tasks, this book will provide real-world advice and suggestions on how to save time, avoid frustration, and create a high-quality, well-designed site that attracts an audience and achieves results. WordPress on Demand will be based on WordPress version 3.5.1. In this book, readers will learn how to:

- Decide between hosted WordPress.com and self-hosted WordPress (WordPress.org)
- Choose the right domain name and web host
- Set up a WordPress website in minutes
- Configure WordPress settings that control privacy, search engine visibility, and more
- Choose, install, and customize themes
- Create, format, and manage pages and posts
- Add media files including images, audio, video, and documents
- Choose, install, and customize sidebar widgets
- Choose, install, and configure self-hosted WordPress plugins
- Add and manage custom menus
- Make the most of WordPress.com free and premium features
- Create and manage a site with multiple users
- Manage user comments and comment spam
- Import, export, and back up WordPress sites
- Design a site that works on mobile devices

Bonus content includes:

- Workshops that show readers how to enhance their feeds, create a private WordPress site, optimize their site for search engines, and more
- Shortcuts, advice, and cautions to save time and frustration
- Design tips to help readers create a high-quality site even if they have no design background
- Recommended plugins and themes

## WordPress

### Pushing the Limits

*John Wiley & Sons* **Take WordPress** beyond its comfort zone As the most popular open source blogging tool, WordPress is being used to power increasingly advanced sites, pushing it beyond its original purpose. In this unique book, the authors share their experiences and advice for working effectively with clients, manage a project team, develop with

**WordPress for larger projects, and push WordPress beyond its limits so that clients have the customized site they need in order to succeed in a competitive marketplace. Explains that there is more than one approach to a WordPress challenge and shows you how to choose the one that is best for you, your client, and your team. Walks you through hosting and developing environments, theme building, and contingency planning. Addresses working with HTML, PHP, JavaScript, and CSS. WordPress: Pushing the Limits encourages you to benefit from the experiences of seasoned WordPress programmers so that your client's site can succeed.**

## The Complete Idiot's Guide to WordPress

## Find Your Very Own Place in the Blogosphere

*Penguin* **Take advantage of the #1 blog publishing application. With more than 22 million users worldwide, WordPress is the #1 blog publishing application in the world. This guide provides users of both its hosted blogging service (WordPress.com) and its self-hosted application (WordPress.org) with everything they need to know to create, customize, manage, and share their WordPress blogs with the world.**

## BOOM! How To Launch A Successful Personal Brand

*Lulu.com*

## WordPress For Dummies

*John Wiley & Sons* **The bestselling WordPress guide, fully updated to cover the 2013 enhancements. WordPress has millions of users, and this popular guide has sold more than 105,000 copies in its previous editions. With the newest releases of WordPress, author and WordPress expert Lisa Sabin-Wilson has completely updated the book to help you use and understand all the latest features. You'll learn about both the hosted WordPress.com version and the more flexible WordPress.org, which requires third-party hosting. Whether you're switching to WordPress from another blogging platform or just beginning to blog, you'll find lots of advice in this friendly guide. WordPress is a state-of-the-art blogging platform that emphasizes aesthetics, web standards, and usability. This guide explains how to set up and**

maintain a blog with either of the two WordPress versions Covers all the changes and improvements in the latest release of WordPress WordPress For Dummies, 6th Edition is the guide you'll want by your side to help you create and maintain a knockout blog with WordPress.

## Английский язык для специальных целей. Electronics. Information Technologies

*Litres* Настоящее учебное пособие предназначено для студентов II курса технических специальностей, изучающих английский язык, обучающихся по направлениям «Электроника и микроэлектроника», «Информатика и вычислительная техника», «Информационная безопасность». Цель пособия - развитие навыков работы с текстом по специальности на английском языке. Учебное пособие включает разделы, содержащие тексты по направлениям: «Электроника», «Информационные технологии», обширный лексико-грамматический материал, упражнения, направленные на развитие навыков и умений работы с профессионально ориентированными текстами. В зависимости от целей, поставленных преподавателем, данное пособие может быть использовано для контактной и самостоятельной работы обучающихся.

## WordPress 3 Ultimate Security

*Packt Publishing Ltd* Protect your WordPress site and its network.

## Applied Reconfigurable Computing. Architectures, Tools, and Applications

# 17th International Symposium, ARC 2021, Virtual Event, June 29–30, 2021, Proceedings

*Springer Nature* **This book constitutes the proceedings of the 17th International Symposium on Applied Reconfigurable Computing, ARC 2021, held as a virtual event, in June 2021. The 14 full papers and 11 short presentations presented in this volume were carefully reviewed and selected from 40 submissions. The papers cover a broad spectrum of applications of reconfigurable computing, from driving assistance, data and graph processing acceleration, computer security to the societal relevant topic of supporting early diagnosis of Covid infectious conditions.**

## Digging Into WordPress

*Digging into WordPress* **425 Pages of practical WordPress wisdom in full-color printed format. Includes free lifetime updates, exclusive themes, and much more.**

## WordPress All-In-One For Dummies

*John Wiley & Sons* **Set up your WordPress site today! WordPress is a state-of-the-art blog publishing platform with a focus on aesthetics, web standards, and usability. The latest version of WordPress.org will be replaced in the fall of 2018 with WordPress 5.0. This will include a major change with the addition of new editor Gutenberg. Take your WordPress experience to the next level with the information packed inside this All-in-One. From the basics of setting up your account, to choosing a host and theme, to managing content with editor Gutenberg, to keeping your site secure, these 8 books of expert information will help you take the WordPress community by storm. Build your site foundation Choose a server Become a site admin pro Learn how to manage content using Gutenberg Get ready to blog all about it!**



# Search Engine Optimization

## Your Visual Blueprint for Effective Internet Marketing

*John Wiley & Sons* **Presents step-by-step instructions for a variety of search engine optimization techniques, including researching keywords, setting up blogs, using Google Analytics, networking, monetizing Web traffic, and installing SEO plug-ins.**

## Htaccess Made Easy

### A Practical Guide for Administrators, Designers and Developers

*htaccess Made Easy* **Learn how to use Apache's .htaccess files to improve the usability, security, performance, and SEO of your website.**

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*Kim terje rudschinat gronli*

## Decolonizing Methodologies

# Research and Indigenous Peoples

*Bloomsbury Publishing* 'A landmark in the process of decolonizing imperial Western knowledge.' Walter Mignolo, **Duke University** To the colonized, the term 'research' is conflated with European colonialism; the ways in which academic research has been implicated in the throes of imperialism remains a painful memory. This essential volume explores intersections of imperialism and research - specifically, the ways in which imperialism is embedded in disciplines of knowledge and tradition as 'regimes of truth.' Concepts such as 'discovery' and 'claiming' are discussed and an argument presented that the decolonization of research methods will help to reclaim control over indigenous ways of knowing and being. Now in its eagerly awaited second edition, this bestselling book has been substantially revised, with new case-studies and examples and important additions on new indigenous literature, the role of research in indigenous struggles for social justice, which brings this essential volume urgently up-to-date.

## The “People Power” Education Superbook: Book 18. School Teacher Resource Guide

*Lulu Press, Inc* I was a teacher for awhile. I started because I liked education and wanted to do something to express myself creatively but after I taught a basic psychology course called Human Growth & Development over 30 times, I said to myself I don't believe in the fake science of psychology anymore. I could keep doing this to earn a living but everyday I feel like I'm wasting my life. The point is that it's a great profession if you like the course material and the students who are mostly young, well-intentioned and inspired. I'm pro-teacher because I was one. I think it's one of the few truly honorable professions. This is not a teacher job book. I wrote a separate book for that. In a completely rational society, the best of us would be teachers and the rest of us would have to settle for something less, because passing civilization along from one generation to the next ought to be the highest honor and the highest responsibility anyone could have. Lee Iacocca

# The Year Without Pants

## WordPress.com and the Future of Work

*John Wiley & Sons* **A behind-the-scenes look at the firm behind WordPress.com and the unique work culture that contributes to its phenomenal success 50 million websites, or twenty percent of the entire web, use WordPress software. The force behind WordPress.com is a convention-defying company called Automattic, Inc., whose 120 employees work from anywhere in the world they wish, barely use email, and launch improvements to their products dozens of times a day. With a fraction of the resources of Google, Amazon, or Facebook, they have a similar impact on the future of the Internet. How is this possible? What's different about how they work, and what can other companies learn from their methods? To find out, former Microsoft veteran Scott Berkun worked as a manager at WordPress.com, leading a team of young programmers developing new ideas. The Year Without Pants shares the secrets of WordPress.com's phenomenal success from the inside. Berkun's story reveals insights on creativity, productivity, and leadership from the kind of workplace that might be in everyone's future. Offers a fast-paced and entertaining insider's account of how an amazing, powerful organization achieves impressive results Includes vital lessons about work culture and managing creativity Written by author and popular blogger Scott Berkun (scottberkun.com) The Year Without Pants shares what every organization can learn from the world-changing ideas for the future of work at the heart of Automattic's success.**

## Applied Cryptography

## Protocols, Algorithms, and Source Code in C

**From the world's most renowned security technologist, Bruce Schneier, this 20th Anniversary Edition is the most definitive reference on cryptography ever published and is the seminal work on cryptography. Cryptographic techniques have applications far beyond the obvious uses of encoding and decoding information. For developers who need to know about capabilities, such as digital signatures, that depend on cryptographic techniques, there's no better**

overview than **Applied Cryptography**, the definitive book on the subject. Bruce Schneier covers general classes of cryptographic protocols and then specific techniques, detailing the inner workings of real-world cryptographic algorithms including the Data Encryption Standard and RSA public-key cryptosystems. The book includes source-code listings and extensive advice on the practical aspects of cryptography implementation, such as the importance of generating truly random numbers and of keeping keys secure. ". . .the best introduction to cryptography I've ever seen. . . .The book the National Security Agency wanted never to be published. . . ." -Wired Magazine ". . .monumental . . . fascinating . . . comprehensive . . . the definitive work on cryptography for computer programmers . . ." -Dr. Dobb's Journal ". . .easily ranks as one of the most authoritative in its field." -PC Magazine The book details how programmers and electronic communications professionals can use cryptography-the technique of enciphering and deciphering messages-to maintain the privacy of computer data. It describes dozens of cryptography algorithms, gives practical advice on how to implement them into cryptographic software, and shows how they can be used to solve security problems. The book shows programmers who design computer applications, networks, and storage systems how they can build security into their software and systems. With a new Introduction by the author, this premium edition will be a keepsake for all those committed to computer and cyber security.

## Computed Tomography for Technologists

### Exam Review

*Lippincott Williams & Wilkins* **Leveraging the organization and focus on exam preparation found in the comprehensive text, this Exam Review will help any student to successfully complete the ARRT General Radiography and Computed Tomography exams. The book includes a bulleted format review of content, Registry-style questions with answers and rationales, and a mock exam following the ARRT format. The companion website offers an online testing simulation engine.**

# The Physics of Radiation Therapy

*Lippincott Williams & Wilkins* **Dr. Khan's classic textbook on radiation oncology physics is now in its thoroughly revised and updated Fourth Edition. It provides the entire radiation therapy team—radiation oncologists, medical physicists, dosimetrists, and radiation therapists—with a thorough understanding of the physics and practical clinical applications of advanced radiation therapy technologies, including 3D-CRT, stereotactic radiotherapy, HDR, IMRT, IGRT, and proton beam therapy. These technologies are discussed along with the physical concepts underlying treatment planning, treatment delivery, and dosimetry. This Fourth Edition includes brand-new chapters on image-guided radiation therapy (IGRT) and proton beam therapy. Other chapters have been revised to incorporate the most recent developments in the field. This edition also features more than 100 full-color illustrations throughout. A companion Website will offer the fully searchable text and an image bank.**

## WordPress For Dummies®

*John Wiley & Sons* **The bestselling guide to WordPress, fully updated for newest version of WordPress WordPress, the popular, free blogging platform, has been updated with new features and improvements. Bloggers who are new to WordPress will learn to take full advantage of its flexibility and usability with the advice in this friendly guide. Previous editions have sold nearly 50,000 copies, and interest in blogging continues to explode. WordPress is a state-of-the-art blog platform that emphasizes aesthetics, Web standards, and usability WordPress For Dummies, 3rd Edition covers both the free-hosted WordPress.com version and WordPress.org, which requires users to purchase Web hosting services Written by an expert who works directly with the developers and cofounder of WordPress Shows readers how to set up and maintain a blog with WordPress and how to use all the new features Like its earlier editions, WordPress For Dummies, 3rd Edition helps bloggers quickly and easily take advantage of everything this popular blogging tool has to offer.**

# Grid Converters for Photovoltaic and Wind Power Systems

*John Wiley & Sons* **Grid converters are the key player in renewable energy integration. The high penetration of renewable energy systems is calling for new more stringent grid requirements. As a consequence, the grid converters should be able to exhibit advanced functions like: dynamic control of active and reactive power, operation within a wide range of voltage and frequency, voltage ride-through capability, reactive current injection during faults, grid services support. This book explains the topologies, modulation and control of grid converters for both photovoltaic and wind power applications. In addition to power electronics, this book focuses on the specific applications in photovoltaic wind power systems where grid condition is an essential factor. With a review of the most recent grid requirements for photovoltaic and wind power systems, the book discusses these other relevant issues: modern grid inverter topologies for photovoltaic and wind turbines islanding detection methods for photovoltaic systems synchronization techniques based on second order generalized integrators (SOGI) advanced synchronization techniques with robust operation under grid unbalance condition grid filter design and active damping techniques power control under grid fault conditions, considering both positive and negative sequences Grid Converters for Photovoltaic and Wind Power Systems is intended as a coursebook for graduated students with a background in electrical engineering and also for professionals in the evolving renewable energy industry. For people from academia interested in adopting the course, a set of slides is available for download from the website. [www.wiley.com/go/grid\\_converters](http://www.wiley.com/go/grid_converters)**

## Security Automation with Ansible 2

Leverage Ansible 2 to automate complex security tasks

# like application security, network security, and malware analysis

*Packt Publishing Ltd* **Automate security-related tasks in a structured, modular fashion using the best open source automation tool available** **About This Book** Leverage the agentless, push-based power of Ansible 2 to automate security tasks Learn to write playbooks that apply security to any part of your system This recipe-based guide will teach you to use Ansible 2 for various use cases such as fraud detection, network security, governance, and more **Who This Book Is For** If you are a system administrator or a DevOps engineer with responsibility for finding loop holes in your system or application, then this book is for you. It's also useful for security consultants looking to automate their infrastructure's security model. **What You Will Learn** Use Ansible playbooks, roles, modules, and templating to build generic, testable playbooks Manage Linux and Windows hosts remotely in a repeatable and predictable manner See how to perform security patch management, and security hardening with scheduling and automation Set up AWS Lambda for a serverless automated defense Run continuous security scans against your hosts and automatically fix and harden the gaps Extend Ansible to write your custom modules and use them as part of your already existing security automation programs Perform automation security audit checks for applications using Ansible Manage secrets in Ansible using Ansible Vault **In Detail** Security automation is one of the most interesting skills to have nowadays. Ansible allows you to write automation procedures once and use them across your entire infrastructure. This book will teach you the best way to use Ansible for seemingly complex tasks by using the various building blocks available and creating solutions that are easy to teach others, store for later, perform version control on, and repeat. We'll start by covering various popular modules and writing simple playbooks to showcase those modules. You'll see how this can be applied over a variety of platforms and operating systems, whether they are Windows/Linux bare metal servers or containers on a cloud platform. Once the bare bones automation is in place, you'll learn how to leverage tools such as Ansible Tower or even Jenkins to create scheduled repeatable processes around security patching, security hardening, compliance reports, monitoring of systems, and so on. Moving on, you'll delve into useful security automation techniques and approaches, and learn how to extend Ansible for enhanced security. While on the way, we will tackle topics like how to manage secrets, how to manage all the playbooks that we will create and how to enable collaboration using Ansible Galaxy. In the final stretch, we'll tackle how to extend the modules of Ansible for our use,

and do all the previous tasks in a programmatic manner to get even more powerful automation frameworks and rigs. **Style and approach** This comprehensive guide will teach you to manage Linux and Windows hosts remotely in a repeatable and predictable manner. The book takes an in-depth approach and helps you understand how to set up complicated stacks of software with codified and easy-to-share best practices.

## Creating Blogs with Jekyll

*Apress* **Learn to create your own blog using the Jekyll static site generator. You'll start with a simple template, add new features to it, automate any maintenance, attach social sharing, and begin writing. By the end of Creating Blogs with Jekyll, you will be able to create custom blogs with Jekyll, update the content with ease, and reach out to your readers with minimal effort. Because you've built your blog yourself, you'll know exactly how each component works, and you won't be dependent on an admin panel to maintain it. Creating Blogs with Jekyll equips you with the knowledge to create an elegantly designed blog and scale it to capture more readers. Recapture the magic of writing by creating great content and use an easy workflow in Jekyll to maintain it for blogging. Do new things and write about them in style with Jekyll. Takes you through building a fully functional blog from scratch using Jekyll Provides a fun way to work on a side-project and integrate cutting edge web technologies Teaches you how to update and maintain your awesome blog Jekyll is a simple, secure and very low maintenance blog engine that converts naturally written content in markdown into a beautiful and minimal blog. It allows you to focus on content creation and expressing yourself instead of spending all your time updating the plugins and maintaining the database. Jekyll does not rely on a database as a backend so your blog will be far more secure and reliable than any traditional blogging engines such as WordPress. We live in a day and age where short attention spans make it very difficult to expose a reader to interesting content. What better way to capture a reader's attention and retain viewers by captivating them by your own unique style and taste? Jekyll allows the content to shine with minimal distractions and a greater focus on the content and easy sharing of the content. What You'll Learn Choose a base theme appropriate for your style and development Integrate various web technologies that will work well together and enhance your blog Automate social sharing components and comments workflow Make adjustments to themes, views and styles of blog posts Update any of the modular components of the blog and integrate new technologies Implement Jekyll and deploying static websites for future projects Who This Book Is For The developer who is ready to move beyond the complexities of maintaining a content management system by creating their own unique blog in their own style. It's for the project manager tired of**



spending all their time editing their blog on the admin panel and updating the content management system. Creating Blogs with Jekyll is an excellent choice for new developers to start blogging because of the simplicity of Jekyll's theming layer and writing workflow. It's an excellent choice for the web developer wanting to build their blog from scratch and expand their knowledge of higher level web technologies.

## Electrical and Electronic Principles and Technology

*Routledge* This practical resource introduces electrical and electronic principles and technology covering theory through detailed examples, enabling students to develop a sound understanding of the knowledge required by technicians in fields such as electrical engineering, electronics and telecommunications. No previous background in engineering is assumed, making this an ideal text for vocational courses at Levels 2 and 3, foundation degrees and introductory courses for undergraduates.

## SEO And Search Marketing In A Week

## Search Engine Optimization And Search Engine Marketing Made Easy In Seven Simple Steps

*Teach Yourself* **SEO and Search Marketing In A Week** is a simple and straightforward guide to mastering the basics, giving you everything you really need to know in just seven short chapters. From stripping away the mystique from SEO and SEM, to uncovering the meaning of jargon and acronyms such as pay-per-click advertising (PPC), backlinking, social signals and algorithms, you'll discover how to structure your website to deliver what the search engines are looking for and to promote it to the world. This book distils the most practical search engine optimization (SEO) and search engine marketing (SEM) insights into easy-to-digest bite-sized chunks, giving you a basic knowledge and understanding of the key concepts, together with practical and thought-provoking exercises. Whether you choose to read it in a week or in a single sitting, **SEO And Search Marketing In A Week** is your fastest route to success: - Sunday: An introduction to search engines and SEO - Monday: Keyword research - Tuesday: On-page optimization - Wednesday:

**Off-page optimization - Thursday: Getting other traffic sources to your website - Friday: Pay-per-click traffic: making it work for you - Saturday: Monitoring and managing your progress ABOUT THE SERIES In A Week books are for managers, leaders, and business executives who want to succeed at work. From negotiating and content marketing to finance and social media, the In A Week series covers the business topics that really matter and that will help you make a difference today. Written in straightforward English, each book is structured as a seven-day course so that with just a little work each day, you will quickly master the subject. In a fast-changing world, this series enables readers not just to get up to speed, but to get ahead.**

## The 2017 Nuclear Ban Treaty

### A New Path to Nuclear Disarmament

*Routledge* **Rising concern over the increasing threat of nuclear war impelled the 2017 United Nations (UN) negotiations and adoption by 122 UN member states of a Treaty on the Prohibition of Nuclear Weapons. The Treaty seeks to ban nuclear weapons globally in the same way chemical and biological weapons have already been prohibited. This book provides the first in-depth comprehensive analysis of the implications and possibilities of the new treaty, drawing on the insights of international relations, international laws, and disarmament experts and specialists from Europe, America, the Asia-Pacific, and the UN. In a context where existing nuclear weapon states have so far declined to be party to the new treaty, the book examines not only its emergence and significance but also the prospects and possibilities for its implementation, the challenges associated with verifying the new agreement, the role of both civil society and governments, and the treaty's wider implications in addressing regional and global nuclear threats. This book was originally published as a special issue of Global Change, Peace & Security but additionally includes the special section articles on the treaty in the Journal for Peace and Nuclear Disarmament.**

### Generators in development projects

# How to choose, size, install and use diesel generators economically.

*Arnalich Water and Habitat* **Generators are an essential part of many projects and give rise to a very significant expenditure. This book introduces you to them from the management perspective. It is not about turning you into an electrician or a mechanic but about choosing the most suitable generator for your project and running it in the most economical way possible. You will learn how to improve existing installations, determine the power required, make informed choices between the different available options, oversee key aspects of the installation and avoid wasting energy that compromises the sustainability of the projects.**

## Cosmeceuticals and Active Cosmetics

*CRC Press* **Cosmeceuticals and Active Cosmetics discusses the science of nearly two dozen cosmeceuticals used today. This third edition provides ample evidence on specific cosmeceutical substances, their classes of use, skin conditions for which they are used, and points of interest arising from other considerations, such as toxicology and manufacturing. The book discusses both cosmetic and therapeutic uses of cosmeceuticals for various conditions including rosacea, dry skin, alopecia, eczema, seborrheic dermatitis, purpura, and vitiligo. Active ingredients in the following products are discussed: caffeine, curcumin, green tea, Rhodiola rosea, milk thistle, and more. Also covered are topical peptides and proteins, amino acids and derivatives, antioxidants, vitamins E and C, niacinamide, botanical extracts, and biomarine actives. Providing ample scientific references, this book is an excellent guide to understanding the science behind the use of cosmeceuticals to treat a variety of dermatological conditions.**

## The Refusal of Work

# The Theory and Practice of Resistance to Work

*Zed Books Ltd.* **Paid work is absolutely central to the culture and politics of capitalist societies, yet today's work-centred world is becoming increasingly hostile to the human need for autonomy, spontaneity and community. The grim reality of a society in which some are overworked, whilst others are condemned to intermittent work and unemployment, is progressively more difficult to tolerate. In this thought-provoking book, David Frayne questions the central place of work in mainstream political visions of the future, laying bare the ways in which economic demands colonise our lives and priorities. Drawing on his original research into the lives of people who are actively resisting nine-to-five employment, Frayne asks what motivates these people to disconnect from work, whether or not their resistance is futile, and whether they might have the capacity to inspire an alternative form of development, based on a reduction and social redistribution of work. A crucial dissection of the work-centred nature of modern society and emerging resistance to it, *The Refusal of Work* is a bold call for a more humane and sustainable vision of social progress.**

## Working with Static Sites

### Bringing the Power of Simplicity to Modern Sites

*"O'Reilly Media, Inc."* **Just like vinyl LPs, static sites are making a comeback, evidenced by the wide array of static-site generators now available. This practical book shows you hands-on how to build these simple sites for blogs and other use cases, and how to make them more powerful. In the process, you'll work with some of today's more mature and popular static-site generators. Authors Raymond Camden and Brian Rinaldi explain the advantages of using static-site generators for building fast and secure sites. Web and frontend designers and developers will also explore methods for adding dynamic elements and for migrating an existing CMS to a static site. Build a basic four-page static site with the Harp generator Create a simple blog with Jekyll Develop a documentation site with Hugo by generating site files and creating the layout Add dynamic elements, such as forms, comments, and search Integrate a CMS with tools such as CloudCannon and Netlify CMS Use one of several options to deploy your static files Learn methods for moving an existing CMS to a static site**

# Deep Learning with Python

*Simon and Schuster* **Summary** Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Machine learning has made remarkable progress in recent years. We went from near-unusable speech and image recognition, to near-human accuracy. We went from machines that couldn't beat a serious Go player, to defeating a world champion. Behind this progress is deep learning—a combination of engineering advances, best practices, and theory that enables a wealth of previously impossible smart applications. About the Book Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. You'll explore challenging concepts and practice with applications in computer vision, natural-language processing, and generative models. By the time you finish, you'll have the knowledge and hands-on skills to apply deep learning in your own projects. What's Inside Deep learning from first principles Setting up your own deep-learning environment Image-classification models Deep learning for text and sequences Neural style transfer, text generation, and image generation About the Reader Readers need intermediate Python skills. No previous experience with Keras, TensorFlow, or machine learning is required. About the Author François Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-learning library, as well as a contributor to the TensorFlow machine-learning framework. He also does deep-learning research, with a focus on computer vision and the application of machine learning to formal reasoning. His papers have been published at major conferences in the field, including the Conference on Computer Vision and Pattern Recognition (CVPR), the Conference and Workshop on Neural Information Processing Systems (NIPS), the International Conference on Learning Representations (ICLR), and others. Table of Contents PART 1 - FUNDAMENTALS OF DEEP LEARNING What is deep learning? Before we begin: the mathematical building blocks of neural networks Getting started with neural networks Fundamentals of machine learning PART 2 - DEEP LEARNING IN PRACTICE Deep learning for computer vision Deep learning for text and sequences Advanced deep-learning best practices Generative deep learning Conclusions appendix A - Installing Keras and its dependencies on Ubuntu appendix B - Running Jupyter notebooks on an EC2 GPU instance

# The Sketchbook Idea Generator (Mix-And-Match Flip Book)

## Mix and Match Prompts for Your Art Practice

*Abrams Noterie* A unique mix-and-match book that generates thousands of ideas for tackling a blank sketchbook page. Designed to kickstart creativity for artists and hobbyists, the pages of this book are divided into three separate sections that can be flipped, mixed, and matched to generate more than 100,000 unique sketchbook prompts! Jennifer Orkin Lewis, author of *Draw Every Day*, *Draw Every Way* and *100 Days of Drawing*, has gained a dedicated following on Instagram by posting her daily sketches. The Sketchbook Idea Generator begins with an introductory section, in which Jennifer provides examples of her work as well as insight into her process of interpreting a prompt. The rest of the book consists of pages that are sliced into three mix-and-match sections that represent the three essential elements of a good drawing prompt: medium, color, and subject. With those basic decisions made, you can get right down to it!

## Learning Static Site Building with Hugo

## Fanuc CNC Custom Macros

## Programming Resources for Fanuc Custom Macro B Users

*Industrial Press Inc.* "CNC programmers and service technicians will find this book a very useful training and reference tool to use in a production environment. Also, it will provide the basis for exploring in great depth the extremely wide

and rich field of programming tools that macros truly are."--BOOK JACKET.

## Hazardous Waste Management

### An Overview of Advanced and Cost-Effective Solutions

*Elsevier Hazardous Waste Management: An Overview of Advanced and Cost-Effective Solutions* includes the latest practical knowledge and theoretical concepts for the treatment of hazardous wastes. The book covers five major themes, namely, ecological impact, waste management hierarchy, hazardous waste characteristics and regulations, hazardous wastes management, and future scope of hazardous waste management. It serves as a comprehensive and advanced reference for undergraduate students, researchers and practitioners in the field of hazardous wastes and focuses on the latest emerging research in the management of hazardous waste, the direction in which this branch is developing as well as future prospects. The book deals with all these components in-depth, however, particular attention is given to management techniques and cost-effective, economically feasible solutions for hazardous wastes released from various sources. Comprehensively explores the impact of hazardous wastes on human health and ecosystems Discusses toxicity across solid waste, aquatic food chain and airborne diseases Categorically elaborates waste treatment and management procedures with current challenges Discusses future challenges and the importance of renewing technologies

## Group Theory in a Nutshell for Physicists

*Princeton University Press* A concise, modern textbook on group theory written especially for physicists Although group theory is a mathematical subject, it is indispensable to many areas of modern theoretical physics, from atomic physics to condensed matter physics, particle physics to string theory. In particular, it is essential for an understanding of the fundamental forces. Yet until now, what has been missing is a modern, accessible, and self-contained textbook on the subject written especially for physicists. *Group Theory in a Nutshell for Physicists* fills this gap, providing a user-friendly and classroom-tested text that focuses on those aspects of group theory physicists most need to know. From the basic intuitive notion of a group, A. Zee takes readers all the way up to how theories based on gauge groups could

unify three of the four fundamental forces. He also includes a concise review of the linear algebra needed for group theory, making the book ideal for self-study. Provides physicists with a modern and accessible introduction to group theory Covers applications to various areas of physics, including field theory, particle physics, relativity, and much more Topics include finite group and character tables; real, pseudoreal, and complex representations; Weyl, Dirac, and Majorana equations; the expanding universe and group theory; grand unification; and much more The essential textbook for students and an invaluable resource for researchers Features a brief, self-contained treatment of linear algebra An online illustration package is available to professors Solutions manual (available only to professors)

## The God of Small Things

### A Novel

*Vintage Canada* The beloved debut novel about an affluent Indian family forever changed by one fateful day in 1969, from the author of *The Ministry of Utmost Happiness* **NEW YORK TIMES BESTSELLER • MAN BOOKER PRIZE WINNER** Compared favorably to the works of Faulkner and Dickens, Arundhati Roy's modern classic is equal parts powerful family saga, forbidden love story, and piercing political drama. The seven-year-old twins Estha and Rahel see their world shaken irrevocably by the arrival of their beautiful young cousin, Sophie. It is an event that will lead to an illicit liaison and tragedies accidental and intentional, exposing "big things [that] lurk unsaid" in a country drifting dangerously toward unrest. Lush, lyrical, and unnerving, *The God of Small Things* is an award-winning landmark that started for its author an esteemed career of fiction and political commentary that continues unabated.