
Open Source Lab How To Build Your Own Hardware And Reduce Research Costs

Issues in Bioengineering and Bioinformatics: 2011 Edition

Fast and Scalable Designs

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Laboratory Manual for Introductory Geology

Doing Meta-Analysis with R

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Open Source Software: Implementation and Management

Open-Source Technologies for Maximizing the Creation, Deployment, and Use of Digital Resources and Information

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Using Open Source Information for Human Rights Investigation, Documentation, and Accountability

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Practical Laboratory Automation

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Technology and Policy

Which OpenSource software is mature enough to replace proprietary software and bring financial savings to Enterprises?

Import, Tidy, Transform, Visualize, and Model Data
Open Source Software for Digital Forensics
The New Shop Class
How to Build Your Own Hardware and Reduce Research Costs
Penetration Tester's Open Source Toolkit
Understanding Open Source and Free Software Licensing
A Reliable Approach for Safe, Sustainable and Accessible Healthcare
Made Easy with Autolt
Open Source Software: New Horizons
Building Open Source Hardware
Open Source Systems Security Certification
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HOOPER MARKS

Issues in Bioengineering and Bioinformatics: 2011 Edition

Elsevier Science Limited

Open Source Systems Security Certification discusses Security Certification Standards and establishes the need to certify open source tools and applications. This includes the international standard for the certification of IT products (software, firmware and hardware) Common Criteria (ISO/IEC 15408) (CC 2006), a

certification officially adopted by the governments of 18 nations. Without security certification, open source tools and applications are neither secure nor trustworthy. Open Source Systems Security Certification addresses and analyzes the urgency of security certification for security-sensible markets, such as telecommunications, government and the military, through provided case studies. This volume is designed for professionals and companies trying to implement an Open Source Systems (OSS) aware IT governance strategy, and SMEs looking to attract new markets traditionally held by proprietary products or to reduce costs. This book is also suitable for researchers and advanced-level students.

Fast and Scalable Designs Elsevier

Describes the legal implications of open source and free software licensing and provides an explanation of what an open source software license actually is, and how to draft one for personal use.

Digital Witness Springer

In 2004/5, over half of IT professionals will be looking at open source, most for the first time. This book provides key tools for System administrators, Network Administrators, IT project managers, and consultants who must evaluate and deploy open source software. This book details open source successes so far, explains which scenarios are the most realistic opportunities now, then gives the details needed to select these solutions, adopt the best tools and practices, introduce them to an organization, implement and manage them. The IT professional can use this book to review opportunities in their organization, evaluate components such as Apache, Linux, and OpenOffice against systems they know, and follow up in detail on their specific interests here and through referred resources. *Deployment scenarios categorized by function and industry *Rules of thumb on where and when open source software is or is not the right choice *Roadmaps for deployment in terms of the components of open source

Laboratory Manual for Introductory Geology Vintage

Developed by three experts to coincide with geology lab kits, this laboratory manual provides a clear and cohesive introduction to the field of geology. Introductory Geology is designed to ease new students into the often complex topics of physical geology and the study of our planet and its makeup. This text introduces

readers to the various uses of the scientific method in geological terms. Readers will encounter a comprehensive yet straightforward style and flow as they journey through this text. They will understand the various spheres of geology and begin to master geological outcomes which derive from a growing knowledge of the tools and subjects which this text covers in great detail.

Doing Meta-Analysis with R Elsevier

Great commercial penetration testing tools can be very expensive and sometimes hard to use or of questionable accuracy. This book helps solve both of these problems. The open source, no-cost penetration testing tools presented do a great job and can be modified by the user for each situation. Many tools, even ones that cost thousands of dollars, do not come with any type of instruction on how and in which situations the penetration tester can best use them. Penetration Tester's Open Source Toolkit, Third Edition, expands upon existing instructions so that a professional can get the most accurate and in-depth test results possible. Real-life scenarios are a major focus so that the reader knows which tool to use and how to use it for a variety of situations. Details current open source penetration testing tools Presents core technologies for each type of testing and the best tools for the job New to this edition: Enterprise application testing, client-side attacks and updates on Metasploit and Backtrack

Open Source Library Systems CRC Press

Open-source development has been around for decades, with software developers co-creating tools and information systems for widespread use. With the development of open-source

software such as learning objects, interactive articles, and educational games, the open-source values and practices have slowly been adopted by those in education sectors. *Open-Source Technologies for Maximizing the Creation, Deployment, and Use of Digital Resources and Information* highlights the global importance of open-source technologies in higher and general education. Written for those working in education and professional training, this collection of research explores a variety of issues related to open-source in education, such as its practical underpinnings, requisite cultural competence in global open-source, strategies for employing open-source in online learning and research, the design of an open-source networking laboratory, and other endeavors. It aims to enhance workplace practices in harnessing open-source resources in a time of budgetary frugality.

[Understanding Open Source and Free Software Licensing](#)
ScholarlyEditions

This book covers the developing field of open source research and discusses how to use social media, satellite imagery, big data analytics, and user-generated content to strengthen human rights research and investigations. The topics are presented in an accessible format through extensive use of images and data visualization (éditeur).

[Voices from the Open Source Revolution](#) Hachette Books
Open Source Software for Digital Forensics is the first book dedicated to the use of FLOSS (Free Libre Open Source Software) in computer forensics. It presents the motivations for using FLOSS applications as tools for collection, preservation and analysis of digital evidence in computer and network forensics. It

also covers extensively several forensic FLOSS tools, their origins and evolution. *Open Source Software for Digital Forensics* is based on the OSSCoNF workshop, which was held in Milan, Italy, September 2008 at the World Computing Congress, co-located with OSS 2008. This edited volume is a collection of contributions from researchers and practitioners world wide. *Open Source Software for Digital Forensics* is designed for advanced level students and researchers in computer science as a secondary text and reference book. Computer programmers, software developers, and digital forensics professionals will also find this book to be a valuable asset.

Additive Manufacturing Technologies and Applications

Open-source LabHow to Build Your Own Hardware and Reduce Research Costs

Open Source has become a buzzword synonymous with growth and change in computing. This book examines the Open Source movement, what's worked and why, and explains the technology to the mainstream investor and manager looking to replicate the successes of the Open Source movement.

Network World Academic Press

National Bestseller Winner of the National Book Critics Circle Award for Autobiography A New York Times Notable Book
Geobiologist Hope Jahren has spent her life studying trees, flowers, seeds, and soil. *Lab Girl* is her revelatory treatise on plant life—but it is also a celebration of the lifelong curiosity, humility, and passion that drive every scientist. In these pages, Hope takes us back to her Minnesota childhood, where she spent hours in unfettered play in her father's college laboratory. She tells us how she found a sanctuary in science, learning to perform

lab work “with both the heart and the hands.” She introduces us to Bill, her brilliant, eccentric lab manager. And she extends the mantle of scientist to each one of her readers, inviting us to join her in observing and protecting our environment. Warm, luminous, compulsively readable, Lab Girl vividly demonstrates the mountains that we can move when love and work come together. Winner of the American Association for the Advancement of Science/Subaru Science Books & Film Prize for Excellence in Science Books Finalist for the PEN/E.O. Wilson Literary Science Writing Award One of the Best Books of the Year: The Washington Post, TIME.com, NPR, Slate, Entertainment Weekly, Newsday, Minneapolis Star Tribune, Kirkus Reviews **Exposing Systems of Power and Injustice** "O'Reilly Media, Inc."

Open-source LabHow to Build Your Own Hardware and Reduce Research CostsElsevier Science Limited

Open Source Software: Implementation and Management transcript Verlag

The online economy offers challenges to traditional businesses as well as incredible opportunities. Chris Anderson makes the compelling case that in many instances businesses can succeed best by giving away more than they charge for. Known as "Freemium," this combination of free and paid is emerging as one of the most powerful digital business models. In *Free*, Chris Anderson explores this radical idea for the new global economy and demonstrates how it can be harnessed for the benefit of consumers and businesses alike. In the twenty-first century, *Free* is more than just a promotional gimmick: It's a business strategy that is essential to a company's successful future. Download the

audiobook of *Free* for free! Details inside the book.

Open-Source Technologies for Maximizing the Creation, Deployment, and Use of Digital Resources and Information "O'Reilly Media, Inc."

This book is a printed edition of the Special Issue "Additive Manufacturing Technologies and Applications" that was published in *Technologies*

A Guide Oxford University Press, USA

CIO magazine, launched in 1987, provides business technology leaders with award-winning analysis and insight on information technology trends and a keen understanding of IT's role in achieving business goals.

Whistleblowing for Change Newnes

The courageous acts of whistleblowing that inspired the world over the past few years have changed our perception of surveillance and control in today's information society. But what are the wider effects of whistleblowing as an act of dissent on politics, society, and the arts? How does it contribute to new courses of action, digital tools, and contents? This urgent intervention based on the work of Berlin's Disruption Network Lab examines this growing phenomenon, offering interdisciplinary pathways to empower the public by investigating whistleblowing as a developing political practice that has the ability to provoke change from within.

R for Data Science Springer Science & Business Media

Open-Source Lab: How to Build Your Own Hardware and Reduce Scientific Research Costs details the development of the free and open-source hardware revolution. The combination of open-source 3D printing and microcontrollers running on free software

enables scientists, engineers, and lab personnel in every discipline to develop powerful research tools at unprecedented low costs. After reading *Open-Source Lab*, you will be able to:

- Lower equipment costs by making your own hardware
- Build open-source hardware for scientific research
- Actively participate in a community in which scientific results are more easily replicated and cited
- Numerous examples of technologies and the open-source user and developer communities that support them
- Instructions on how to take advantage of digital design sharing
- Explanations of Arduinos and RepRaps for scientific use
- A detailed guide to open-source hardware licenses and basic principles of intellectual property

Using Open Source Information for Human Rights Investigation, Documentation, and Accountability IGI Global

A guide to designing and manufacturing open source hardware covers such topics as creating derivatives of existing projects, using source files, moving from prototype to commercial production, and writing documentation for other hardware hackers.

A Hands-On Guide John Wiley & Sons

Penetration Tester's Open Source Toolkit, Third Edition, discusses the open source tools available to penetration testers, the ways to use them, and the situations in which they apply. Great commercial penetration testing tools can be very expensive and sometimes hard to use or of questionable accuracy. This book helps solve both of these problems. The open source, no-cost penetration testing tools presented do a great job and can be modified by the student for each situation. This edition offers instruction on how and in which situations the penetration tester

can best use them. Real-life scenarios support and expand upon explanations throughout. It also presents core technologies for each type of testing and the best tools for the job. The book consists of 10 chapters that covers a wide range of topics such as reconnaissance; scanning and enumeration; client-side attacks and human weaknesses; hacking database services; Web server and Web application testing; enterprise application testing; wireless penetrating testing; and building penetration test labs. The chapters also include case studies where the tools that are discussed are applied. New to this edition: enterprise application testing, client-side attacks and updates on Metasploit and Backtrack. This book is for people who are interested in penetration testing or professionals engaged in penetration testing. Those working in the areas of database, network, system, or application administration, as well as architects, can gain insights into how penetration testers perform testing in their specific areas of expertise and learn what to expect from a penetration test. This book can also serve as a reference for security or audit professionals. Details current open source penetration testing tools. Presents core technologies for each type of testing and the best tools for the job. New to this edition: Enterprise application testing, client-side attacks and updates on Metasploit and Backtrack

OpenIntro Statistics Cambridge University Press

From the Internet's infrastructure to operating systems like GNU/Linux, the open source movement comprises some of the greatest accomplishments in computing over the past quarter century. Its story embraces technological advances, unprecedented global collaboration, and remarkable tools for

facilitating distributed development. The evolution of the Internet enabled an enormous expansion of open development, allowing developers to exchange information and ideas without regard to constraints of space, time, or national boundary. The movement has had widespread impact on education and government, as well as historic cultural and commercial repercussions. Part I discusses key open source applications, platforms, and technologies used in open development. Part II explores social issues ranging from demographics and psychology to legal and economic matters. Part III discusses the Free Software Foundation, open source in the public sector (government and education), and future prospects.

Practical Laboratory Automation Springer Science & Business Media

How can you help your Drupal website continue to perform at the highest level as it grows to meet demand? This comprehensive guide provides best practices, examples, and in-depth

explanations for solving several performance and scalability issues. You'll learn how to apply coding and infrastructure techniques to Drupal internals, application performance, databases, web servers, and performance analysis. Covering Drupal versions 7 and 8, this book is the ideal reference for everything from site deployment to implementing specific technologies such as Varnish, memcache, or Solr. If you have a basic understanding of Drupal and the Linux-Apache-MySQL-PHP (LAMP) stack, you're ready to get started. Establish a performance baseline and define goals for improvement Optimize your website's code and front-end performance Get best and worst practices for customizing Drupal core functionality Apply infrastructure design techniques to launch or expand a site Use tools to configure, monitor, and optimize MySQL performance Employ alternative storage and backend search options as your site grows Tune your web servers through httpd and PHP configuration Monitor services and perform load tests to catch problems before they become critical

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