Proprietary Software Versus Open Source Software For Education

Open Source BI solutions have many advantages over traditional proprietary software, from offering lower initial costs to more flexible support and integration options; but, until now, there has been no comprehensive guide to the complete offerings of the OS BI market. Writing for IT managers and business analysts without bias toward any BI suite, industry insider Lyndsay Wise covers the benefits and challenges of all available open source BI systems and tools, enabling readers to identify the solutions and technologies that best meet their business needs. Wise compares and contrasts types of OS BI and proprietary tools on the market, including Pentaho, Jaspersoft, RapidMiner, SpagoBI, BIRT, and many more. Real-world case studies and project templates clarify the steps involved in implementing open source BI, saving new users the time and trouble of developing their own solutions from scratch. For business managers who are hard pressed to indentify the best BI solutions and software for their companies, this book provides a practical guide to evaluating the ROI of open source versus traditional BI deployments. The only book to provide complete coverage of all open source BI systems and tools specifically for business managers, without bias toward any OS BI suite A practical, step-by-step guide to implementing OS BI solutions that maximize ROI Comprehensive coverage of all open source systems and tools, including architectures, data integration, support, optimization, data mining, data warehousing, and interoperability Case studies and project templates enable readers to evaluate the benefits and tradeoffs of all OS BI options without having to spend time developing their own solutions from scratch

Over time, thought processes and decision making styles evolved and were shaped by theological, philosophical, political, social, and environmental factors and trends. Recently, advances in technology have borne an unprecedented influence on our social environment. Contemporary thinking inevitably reflects this influence and moves us from a linear, Covers the legal implications of open source and free software licensing and the intellectual property laws that support open source licensing.

This book is based on a selection of thoroughly revised and extended best papers from the 8th Workshop on E-Business (WEB 2009) held in Phoenix, AZ, USA, on December 15th, 2009. The 29 papers, which were selected from 70 presentations at the workshop, highlight the enormous developments and potential of e-business at a time when new technologies like cloud computing, collective intelligence, and multi-sided platforms are burgeoning. Among the topics covered are Web-based information systems, RFID and supply chain management, process modeling and standardization, security and privacy issues, social networking and mobility, e-services and market mechanisms, IT portfolio management, and other special topics in e-business such as electronic invoicing.

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.

The corporate market is now embracing free, "open source" software like never before, as evidenced by the recent success of the technologies underlying LAMP (Linux, Apache, MySQL, and PHP). Each is the result of a publicly collaborative process among numerous developers who volunteer their time and energy to create better software. The truth is, however, that the overwhelming majority of free software projects fail. To help you beat the odds, O'Reilly has put together Producing Open Source Software, a guide that recommends tried and true steps to help free software developers work together toward a common goal. Not just for developers who are considering starting their own free software project, this book will also help those who want to participate in the process at any level. The book tackles this very complex topic by distilling it down into easily understandable parts. Starting with the basics of project management, it details specific tools used in free software projects, including version control, IRC, bug tracking, and Wikis. Author Karl Fogel, known for his work on CVS and Subversion, offers practical advice on how to set up and use a range of tools in combination with open mailing lists and archives. He also provides several chapters on the essentials of recruiting and motivating developers, as well as how to gain much-needed publicity for your project. While managing a team of enthusiastic developers -- most of whom you've never even met -- can be challenging, it can also be fun. Producing Open Source Software takes this into account, too, as it speaks of the sheer pleasure to be had from working with a motivated team of free software developers.

Technology has revolutionized the ways in which libraries store, share, and access information. As digital resources and tools continue to advance, so too do the opportunities for libraries to become more efficient and house more information. E-Discovery Tools and Applications in Modern Libraries presents critical research on the digitization of data and how this shift has impacted knowledge discovery, storage, and retrieval. This publication explores several emerging trends and concepts essential to electronic discovery, such as library portals, responsive websites, and federated search technology. The timely research presented within this publication is designed for use by librarians, graduate-level students, technology developers, and researchers in the field of library and information science.

Open source provides the competitive advantage in the Internet Age. According to the August Forrester Report, 56 percent of IT managers interviewed at Global 2,500 companies are already using some type of open source software in their infrastructure and another 6 percent will install it in the next two years. This revolutionary model for collaborative software development is being embraced and studied by many of the biggest players in the high-tech industry, from Sun Microsystems to IBM to Intel.The Cathedral & the Bazaar is a must for anyone who cares about the future of the computer industry or the dynamics of the information economy. Already, billions of dollars have been made and lost based on the ideas in this book. Its conclusions will be studied, debated, and implemented for years to come. According to Bob Young, "This is Eric Raymond's great contribution to the success of the open source revolution, to the adoption of Linux-based operating systems, and to the success of open source users and the companies that

supply them."The interest in open source software development has grown enormously in the past year. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success. With major vendors creating acceptance for open source within companies, independent vendors will become the open source story in 2001.

Producing Open Source SoftwareHow to Run a Successful Free Software Project"O'Reilly Media, Inc."

If you think computer security has improved in recent years, Myths of Security will shake you out of your complacency. Longtime security professional John Viega reports on the sorry state of security, with concrete suggestions for professionals and individuals confronting the issue. Provocative, insightful, and often controversial, The Myths of Security addresses IT professionals who deal with security issues, and speaks to Mac and PC users who spend time online.

"Clear, correct, and deep, this is a welcome addition to discussions of law and computing for anyone -- even lawyers!"-- Lawrence Lessig, Professor of Law at Stanford Law School and founder of the Stanford Center for Internet and Society If you work in information technology, intellectual property is central to your job -- but dealing with the complexities of the legal system can be mind-boggling. This book is for anyone who wants to understand how the legal system deals with intellectual property rights for code and other content. You'll get a clear look at intellectual property issues from a developer's point of view, including practical advice about situations you're likely to encounter. Written by an intellectual property attorney who is also a programmer, Intellectual Property and Open Source helps you understand patents, copyrights, trademarks, trade secrets, and licenses, with special focus on the issues surrounding open source development and the GPL. This book answers questions such as: How do open source and intellectual property work together? What are the most important intellectual property-related issues when starting a business or open source project? How should you handle copyright, licensing and other issues when accepting a patch from another developer? How can you pursue your own ideas while working for someone else? What parts of a patent should be reviewed to see if it applies to your work? When is your idea a trade secret? How can you reverse engineer a product without getting into trouble? What should you think about when choosing an open source license for your project? Most legal sources are too scattered, too arcane, and too hard to read. Intellectual Property and Open Source is a friendly, easy-to-follow overview of the law that programmers, system administrators, graphic designers, and many others will find essential.

According to many observers, the global digital divide - the extent to which information technology is benefiting developed as opposed to developing countries - has already established itself as the single most pervasive theme of the twenty-first century. The purpose of this book is to explore some of the ways in which this divide can be overcome both within and between nations. Employing a rigorous analytical framework, the author bases his analysis on the concept of international technological dualism. He argues that one possible solution to the problem is the availability of affordable technologies, such as low-cost computers, which are specifically designed for the income levels and socio-economic conditions of developing countries. He also emphasizes that the most important aim of any policy measure should be to provide universal access to information technologies, rather than individual ownership. Depending on whether or not this divide can be bridged will, to a large degree, determine whether developing countries are able to attain higher levels of productivity, prosperity and global integration.

Since the first edition of Open Source GIS: A GRASS GIS Approach was published in 2002, GRASS has undergone major improvements. This second edition includes numerous updates related to the new development; its text is based on the GRASS 5.3 version from December 2003. Besides changes related to GRASS 5.3 enhancements, the introductory chapters have been re-organized, providing more extensive information on import of external data. Most of the improvements in technical accuracy and clarity were based on valuable feedback from readers. Open Source GIS: A GRASS GIS Approach, Second Edition, provides updated information about the use of GRASS, including geospatial modeling with raster, vector, and site data, image processing, visualization, and coupling with other open source tools for geostatistical analysis and web applications. A brief introduction to programming within GRASS encourages new development. The sample data set used throughout the book has been updated and is available on the GRASS web site. This book also includes links to sites where the GRASS software and on-line reference manuals can be downloaded and additional applications can be viewed.

"This book reviews the development, design, and use of free and open source software, providing relevant topics of discussion for programmers, as well as researchers in human-computer studies, online and virtual collaboration, and e-learning"--Provided by publisher.

International Journal of Advanced Remote Sensing and GIS (IJARSG, ISSN 2320 – 0243) is an open-access peer-reviewed scholarly journal publishes original research papers, reviews, case study, case reports, and methodology articles in all aspects of Remote Sensing and GIS including associated fields. This Journal commits to working for quality and transparency in its publishing by following standard Publication Ethics and Policies.

This book constitutes a collection of selected contributions from the 12th International Conference on Perspectives in Business Informatics Research, BIR 2013, held in Warsaw, Poland, in September 2013. Overall, 54 submissions were rigorously reviewed by 41 members of the Program Committee representing 21 countries. As a result, 19 full and 5 short papers from 12 countries have been selected for publication in this volume. This book also includes the two keynotes by Witold Abramowicz and Bernhard Thalheim. The papers cover many aspects of business information research and have been organized in topical sections on: business process management; enterprise and knowledge architectures; organizations and information systems development; information systems and services; and applications.

The implementation of sustainability initiatives on campuses is an essential component of promoting sustainability in the higher education context. In addition to reflecting an awareness of environmental issues, campus programmes demonstrate how seriously universities take sustainability at the institutional level. There is a lack of truly interdisciplinary publications that comprehensively address the issue of campus greening, and there is an even greater need for publications that do so at a truly international level. This book meets these needs. It is one of the outcomes of the "Second Symposium on Sustainability in University Campuses" (SSUC-2018), which was jointly organised by the University of Florence (Italy), Manchester Metropolitan University (UK), the Research and Transfer Centre "Sustainable Development and Climate Change Management" and the "European School of Sustainability Science and Research" at the Hamburg University of Applied Sciences (Germany), in cooperation with the Inter-University Sustainable Development Research Programme (IUSDRP). The book showcases examples of campus-based research and teaching projects, regenerative campus design, low-carbon and zero-carbon buildings, waste prevention, and resilient transport, among others. Ultimately, it demonstrates the role of campuses as platforms for transformative social learning and research, and explores the means by which university campuses can be made more sustainable. The aims of this publication are as follows: • to provide universities with essential information on campus greening and sustainable campus development initiatives from around the world; • to share ideas and lessons learned in the course of research, teaching and projects on campus greening and design, especially successful initiatives and good practice; and • to introduce

methodological approaches and projects intended to integrate the topic of sustainable development in campus design and operations. This book gathers contributions from researchers and practitioners in the field of campus greening and sustainable development in the widest sense, from business and economics, to the arts, administration and the environment, and hailing from Europe, Latin America, North America and Asia.

Small states face special hurdles in achieving development gains. These states spend significantly more of their GDP on producing public goods and services, and they face higher connectivity costs than do their larger brethren. Small States, Smart Solutions examines how some small states use international trade and telecommunications technology to outsource services such as justice, banking supervision, public utilities regulation, high-quality medicine, and education. Sourcing these services internationally poses unique challenges but also opens broad opportunities. The eight case studies in this book, based on interviews with government officers and citizens, describe pioneering initiatives undertaken by some small states to better the quality of life of their citizens.

This book constitutes the refereed proceedings of the 11th International Conference on Service-Oriented Computing, ICSOC 2012, held in Berlin, Germany, in December 2013. The 29 full papers and 27 short papers presented were carefully reviewed and selected from 205 submissions. The papers are organized in topical sections on service engineering, service operations and management; services in the cloud; and service applications and implementations.

Issues in Information Science—Information Technology, Systems, and Security: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Computer Security. The editors have built Issues in Information Science—Information Technology, Systems, and Security: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Computer Security in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Information Science—Information Technology, Systems, and Security: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Open Sources 2.0 is a collection of insightful and thought-provoking essays from today's technology leaders that continues painting the evolutionary picture that developed in the 1999 book Open Sources: Voices from the Revolution . These essays explore open source's impact on the software industry and reveal how open source concepts are infiltrating other areas of commerce and society. The essays appeal to a broad audience: the software developer will find thoughtful reflections on practices and methodology from leading open source developers like Jeremy Allison and Ben Laurie, while the business executive will find analyses of business strategies from the likes of Sleepycat co-founder and CEO Michael Olson and Open Source Business Conference founder Matt Asay. From China, Europe, India, and Brazil we get essays that describe the developing world's efforts to join the technology forefront and use open source to take control of its high tech destiny. For anyone with a strong interest in technology trends, these essays are a must-read. The enduring significance of open source goes well beyond high technology, however. At the heart of the new paradigm is network-enabled distributed collaboration: the growing impact of this model on all forms of online collaboration is fundamentally challenging our modern notion of community. What does the future hold? Veteran open source commentators Tim O'Reilly and Doc Searls offer their perspectives, as do leading open source scholars Steven Weber and Sonali Shah. Andrew Hessel traces the migration of open source ideas from computer technology to biotechnology, and Wikipedia co-founder Larry Sanger and Slashdot co-founder Jeff Bates provide frontline views of functioning, flourishing online collaborative communities. The power of collaboration, enabled by the internet and open source software, is changing the world in ways we can only begin to imagine.Open Sources 2.0 further develops the evolutionary picture that emerged in the original Open Sources and expounds on the transformative open source philosophy. "This is a wonderful collection of thoughts and examples bygreat minds from the free software movement, and is a must have foranyone who follows free software development and project histories." --Robin Monks, Free Software Magazine The list of contributors include Alolita Sharma Andrew Hessel Ben Laurie Boon-Lock Yeo Bruno Souza Chris DiBona Danese Cooper Doc Searls Eugene Kim Gregorio Robles Ian Murdock Jeff Bates Jeremy Allison Jesus M. Gonzalez-Barahona Kim Polese Larry Sanger Louisa Liu Mark Stone Mark Stone Matthew N. Asay Michael Olson Mitchell Baker Pamela Jones Robert Adkins Russ Nelson Sonali K. Shah Stephen R. Walli Steven Weber Sunil Saxena Tim O'Reilly Wendy Seltzer

Software is more important than ever today and yet its commercial value is steadily declining. Microsoft, for instance, has seen its gross margins decrease for a decade, while startups and corporations alike are distributing free software that would have been worth millions a few years ago. Welcome to the software paradox. In this O'Reilly report, RedMonk's Stephen O'Grady explains why the real money no longer lies in software, and what it means for companies that depend on that revenue. You'll learn how this paradox came about and what your company can do in response. This book covers: Why it's growing more difficult to sell software on a standalone basis How software has come full circle, from enabler to product and back again The roles that open source, software-as-a-service, and subscriptions play How software developers have become the new kingmakers Why Microsoft, Apple, and Google epitomize this transition How the paradox has affected other tech giants, such as Oracle and Salesforce.com Strategies your software firm can explore, including alternative revenue models

A Complete Guide to Starting and Growing Your Own Business On A Shoestring Budget The Cheat Sheet for Business. For the millions who start a new business every year on the barest of resources, Shoestring Venture: The Startup Bible is like hiring a high-level consultant to deal with the bewildering maze of issues from finance to marketing to technology that all entrepreneurs face. Every business is nothing but a series of decisions which can make or break the business. You could say that, if there's a science of business, it's the science of making good decisions. And every bootstrap entrepreneur faces the daunting task of making ALL the business decisions, any one of which could either doom the enterprise or catapult it to stratospheric success. That meas that every entrepreneur has to quickly get up to speed on every issue their business faces. Shoestring Venture: The Startup Bible is the most exhaustive set of practical resources collected to empower entrepreneurs to make the right decisions on a limited budget, from business concept to product development to Web marketing. We call a "consultant in a book," there to give considered and experienced answers to the infinite questions that come up. Shoestring Venture-The Start-up Bible All entrepreneurs - even the smallest operating on the tightest of

budgets - have the opportunity to build powerful start-up organizations without ever really having to walk out the front door. Using global communications and data networks, even bootstrap entrepreneurs can staff an entire organization with every human resource and skill they need at rock-bottom prices. In short, anyone can run a virtual organization using only a desktop or laptop computer. Shoestring Venture: The Startup Bible gives bootstrap entrepreneurs all the resources they need to build truly effective startups using the magic of outsourcing and offshoring. This is the century for small business . . . You have the tools to build a powerful start-up organization, from financing to product development to marketing, without ever really having to walk out your front door. Using global communications and data networks, you can staff an entire organization with every human resource and skill you need at rock-bottom prices. You are, in short, running a virtual organization using only a desktop or laptop computer. It's the magic of outsourcing. It means that you can be a pretty formidable player in the business world. Why? Because it permits you to focus your energies on what brings real value to your business-what you do best. That's what this book is all about. Shoestring Venture gives you the tools you need to start your new venture or take your current business several levels higher by exploiting the resources our interconnected world offers you. Chapters: Startup, Finance, Taxes, & Banking, Hardware and Software, Bringing Your Products to Market, Outsourcing Your Back Office, Information Technology, Web and Ecommerce, and Promoting Your Product: Marketing & Sales

This paper analyzes a dynamic mixed duopoly in which a profit-maximizing competitor interacts with a competitor that prices at zero (or marginal cost), with the cumulation of output affecting their relative positions over time. The modeling effort is motivated by interactions between Linux, an open-source operating system, and Microsoft's Windows in the computer server segment, and consequently emphasizes demand-side learning effects that generate dynamic scale economies (or network externalities). Analytical characterizations of the equilibrium under such conditions are offered, and some comparative static and welfare effects are examined.

Provides research on e-government and its implications within the global context. Covers topics such as digital government, electronic justice, government-to-government, information policy, and cyber-infrastructure research and methodologies.

This first-of-its-kind survey covers both the basics of information technology and the managerial and political issues surrounding the use of these technologies. Unlike other works on information-systems, this book is written specifically for the public sector and addresses unique public sector issues and concerns. The technical basics are explained in clear English with as little technical jargon as possible so that readers can move on to informed analysis of the public policy issues surrounding government's use of MIS. This practical tool includes end of chapter summaries with bridges to upcoming chapters, numerous boxed exhibits, thorough end-of-chapter notes and a bibliography for further reading.

In manufacture and creation, 'open source' as a creation type promotes a) general access by way of gratis permit to a product's planning either plan, and b) general reallocation of that planning either plan, containing following advancements to it by anybody. There has never been a Open Source Guide like this. It contains 330 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about Open Source. A quick look inside of some of the subjects covered: Open source software - Funding, Proprietary software - Formerly open source, Spreadsheets - Open source software, Dimdim - Open source, Semantic reasoner - Free Software (Open Source), Open source - Case Study, Free and open source software - Free software, Open source - Other, Near field communication - Community and open source projects, List of applications with iCalendar support - Free software/Open source, Interbase - Open source, Comparison of open source and closed source - Handling competition, Comparison of open source and closed source - Code quality, Open source - Innovation communities, Android Open Source Project - Linux kernel, SGML - Open source implementations, Open Source Routing Machine - Features, Open source - Alternatives, Text mining - Open source, Open Sources: Voices from the Open Source Revolution, Open innovation - Open source versus open innovation, Free open source software, Open-source movement - Examples of software that have come out of the open source movement, Open-source intelligence - Open sources for intelligence, Open standards - Open Source Initiative's definition, One Laptop per Child - Open source vs. dual-boot systems, and much more...

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

By and large, cost-effective information technology (IT) management is more about people, personal relationships, and corporate culture than it is about the technology itself. Simply put, IT doesn't work if you are surrounded by bad people and stupid processes in a deranged corporate culture. IT's All about the People: Technology Management That Ov

Computers are an advancement whose importance is comparable to the invention of the wheel or movable type. While computers and the Internet have already changed many aspects of our lives, we still live in the dark ages of computing because proprietary software is still the dominant model. One might say that the richest alchemist who ever lived is my former boss, Bill Gates. (Oracle founder Larry Ellison, and Google co-founders Sergey Brin and Larry Page are close behind.) Human knowledge increasingly exists in digital form, so building new and better models requires the software to be improved. People can only share ideas when they also share the software to display and modify them. It is the expanded use of free software that will allow a greater ability for people to work together and increase the pace of progress. This book will demonstrate that a system where anyone can edit, share, and review the body of work will lead not just to something that works, but eventually to the best that the world can achieve! With better cooperation among our scientists, robot-driven cars is just one of the many inventions that will arrive -- pervasive robotics, artificial intelligence, and much faster progress in biology, all of which rely heavily on software. - Publisher.

Open source software is changing the world of Information Technology. But making it work for your company is far more complicated than simply installing a copy of Linux. If you are serious about using open source to cut costs, accelerate development, and reduce vendor lock-in, you must institutionalize skills and create new ways of working. You must understand how open source is different from commercial software and what responsibilities and risks it brings. Open Source for the Enterprise is a sober guide to putting open source to work in the modern IT department. Open source software is software whose code is freely available to anyone who wants to change and redistribute it. New commercial support services, smaller licensing fees, increased collaboration, and a friendlier platform to sell products and services are just a few of the reasons open source is so attractive to IT departments. Some of the open source projects that are in current, widespread use in businesses large and small include Linux, FreeBSD, Apache, MySQL, PostgreSQL, JBOSS, and Perl. These have been used to such great effect by Google, Amazon, Yahoo!, and major commercial and financial firms, that a wave of publicity has

resulted in recent years, bordering on hype. Large vendors such as IBM, Novell, and Hewlett Packard have made open source a lynchpin of their offerings. Open source has entered a new area where it is being used as a marketing device, a collaborative software development methodology, and a business model. This book provides something far more valuable than either the cheerleading or the fear-mongering one hears about open source. The authors are Dan Woods, former CTO of TheStreet.com and a consultant and author of several books about IT, and Gautam Guliani, Director of Software Architecture at Kaplan Test Prep & Admissions. Each has used open source software for some 15 years at IT departments large and small. They have collected the wisdom of a host of experts from IT departments, open source communities, and software companies. Open Source for the Enterprise provides a top to bottom view not only of the technology, but of the skills required to manage it and the organizational issues that must be addressed. Here are the sorts of questions answered in the book: Why is there a "productization gap" in most open source projects? How can the maturity of open source be evaluated? How can the ROI of open source be calculated? What skills are needed to use open source? What sorts of open source projects are appropriate for IT departments at the beginner, intermediate, advanced, and expert levels? What questions need to be answered by an open source strategy? What policies for governance can be instituted to control the adoption of open source? What new commercial services can help manage the risks of open source? Do differences in open source licenses matter? How will using open source transform an IT department? Praise for Open Source for the Enterprise:"Open Source has become a strategic business issue; decisions on how andwhere to choose to use Open Source now have a major impact on theoverall direction of IT abilities to support the business both withcapabilities and by controlling costs. This is a new game and onegenerally not covered in existing books on Open Source which continue toassume that the readers are 'deep dive' technologists, Open Source for the Enterprise provides everyone from business managers to technologistswith the balanced view that has been missing. Well worth the time toread, and also worth encouraging others in your enterprise to read as well." ----Andy Mulholland - Global CTO Capgemini "Open Source for the Enterprise is required reading for anyone workingwith or looking to adopt open source technologies in a corporateenvironment. Its practical, no-BS approach will make sure you're armedwith the information you need to deploy applications successfully (aswell as helping you know when to say "no"). If you're trying to sell opensource to management, this book will give you the ammunition you need.If you're a manager trying to drive down cost using open source, thisbook will tell you what questions to ask your staff. In short, it's aclear, concise explanation of how to successfully leverage open sourcewithout making the big mistakes that can get you fired." ----Kevin Bedell - founding editor of LinuxWorld Magazine

Freely available source code, with contributions from thousands of programmers around the world: this is the spirit of the software revolution known as Open Source. Open Source has grabbed the computer industry's attention. Netscape has opened the source code to Mozilla; IBM supports Apache; major database vendors haved ported their products to Linux. As enterprises realize the power of the open-source development model, Open Source is becoming a viable mainstream alternative to commercial software.Now in Open Sources, leaders of Open Source come together for the first time to discuss the new vision of the software industry they have created. The essays in this volume offer insight into how the Open Source movement works, why it succeeds, and where it is going.For programmers who have labored on open-source projects, Open Sources is the new gospel: a powerful vision from the movement's spiritual leaders. For businesses integrating open-source software into their enterprise, Open Sources reveals the mysteries of how open development builds better software, and how businesses can leverage freely available software for a competitive business advantage.The contributors here have been the leaders in the open-source arena: Brian Behlendorf (Apache) Kirk McKusick (Berkeley Unix) Tim O'Reilly (Publisher, O'Reilly & Associates) Bruce Perens (Debian Project, Open Source Initiative) Tom Paquin and Jim Hamerly (mozilla.org, Netscape) Eric Raymond (Open Source Initiative) Richard Stallman (GNU, Free Software Foundation, Emacs) Michael Tiemann (Cygnus Solutions) Linus Torvalds (Linux) Paul Vixie (Bind) Larry Wall (Perl) This book explains why the majority of the Internet's servers use open- source technologies for everything from the operating system to Web serving and email. Key technology products developed with open-source software have overtaken and surpassed the commercial efforts of billion dollar companies like Microsoft and IBM to dominate software markets. Learn the inside story of what led Netscape to decide to release its source code using the open-source mode. Learn how Cygnus Solutions builds the world's best compilers by sharing the source code. Learn why venture capitalists are eagerly watching Red Hat Software, a company that gives its key product -- Linux -- away.For the first time in print, this book presents the story of the open- source phenomenon told by the people who created this movement.Open Sources will bring you into the world of free software and show you the revolution.

There are two traditional views of the role of intellectual property (IP) within the field of innovation management: in innovation management research, as an indicator or proxy for innovation inputs or outputs, e.g. patents or licensing income; or in innovation management practice, as a means of protecting knowledge. Exploiting Intellectual Property to Promote Innovation and Create Value argues that whilst both of these perspectives are useful, neither capture the full potential contribution of intellectual property in innovation management research and practice. The management of IP has become a central challenge in current strategies of Open Innovation and Business Model Innovation, but there is relatively little empirical work available. Theoretical arguments and empirical research suggest that from both an innovation policy and management perspective, the challenge is to use IP to encourage risk-taking and innovation, and that a broader repertoire of strategies is necessary to create and capture the economic and social benefits of innovation. This book identifies how intellectual property can be harnessed to create and capture value through exploiting new opportunities for innovation. It is organized around three related themes: public policies for IP; firm strategies for IP; and creating value from IP, and offers insights from the latest research on IP strategies and practices to create and capture the economic and social benefits of innovation. Contents: Introduction (Joe Tidd) Public Policies for Intellectual Property: Appropriation and Appropriability in Open Source Software (Linus Dahlander) Formal Institutional Contexts as Ownership of Intellectual Property Rights and Their Implications for the Organization of Commercialization of Innovations at Universities — Comparative Data from Sweden and the United Kingdom (Peter Lindelöf) Open for Business: Universities, Entrepreneurial Academics and Open Innovation (Allen T Alexander, Kristel Miller and Sean Fielding) Repurposing Pharmaceuticals: Does United States Intellectual Property Law and Regulatory Policy Assign Sufficient Value to New Use Patents? (Thomas A Hemphill) Firm Strategies for Intellectual Property: Differences and Similarities Between Patents, Registered Designs and Copyrights: Empirical Evidence from the Netherlands (Mischa C Mol and Enno Masurel) Imitation Through Technology Licensing: Strategic Implications for Smaller Firms (Julian Lowe and Peter Taylor) Firm Patent Strategies in US Technology Standards Development (Thomas A Hemphill) What's Small Size Got to Do with It? Protection of Intellectual Assets in SMEs (Heidi Olander, Pia Hurmelinna-Laukkanen and Jukka Mahonen) Knowledge and Intellectual Property Management in Customer-Supplier Relationships (Jaakko Paasi, Tuija Luoma and Katri Valkokari and Nari Lee) More than One Decade of Viagra: What Lessons can be Learned from Intellectual Property Rights in the Erectile

Dysfunction Market? (Cássia Rita Pereira Da Veiga, Claudimar Pereira Da Veiga, Jansen Maia Del Corso, Eduardo Winter and Wesley Vieira Da Silva) Creating Value from Intellectual Property: Intellectual Capital, Innovation and Performance: Empirical Evidence from SMEs (Karl-Heinz Leitner) Intellectual Property Appropriation Strategy and Its Impact on Innovation Performance (Sairah Hussain and Mile Terziovski) The Role of Patent, Citation and Objection Stocks in the Productivity Analysis of R&D — Using Japanese Company Data (Yasuyuki Ishii) Host Location Knowledge Sourcing and Subsidiary Innovative Performance: Examining the Moderating Role of Alterna

The Intellectual Property Deskbook is intended to serve as the business lawyer's starting point for issue identification, perspective, and resources in dealing with intellectual property issues and assets, whether in the context of structuring and consummating transactions or in the day-to-day counseling of clients. It is specifically designed to become the go-to reference for beginning the analysis, refreshing the memory, or seeking direction for in depth research on the wide range of IP-related issues.

The book presents high-quality research papers presented at the 1st AUE International research conference, AUEIRC 2017, organized by the American University in the Emirates, held on November 15th-16th, 2017 in Dubai. The book is broadly divided into three sections: Media and Smart Cities, Creative Technologies and Innovation, and Security Risks and Strategic Challenges. The areas covered under these sections are cyber-psychology and digital forensics, cloud RAN architecture, networking functions virtualization, e-Governance and IoT semantic interoperability, ERP security, web-based application and problem-solving skills, smart technologies and advertising, smart technologies for smart cities, smart adaptable navigation systems, turbo codes for security key generation, technology advanced student learning and mobile devices, big data security and privacy, multi-channel buffer enabled technique, physiological signal acquisition in electro-oculography, blockchain and donation-based crowdfunding, smart city and framework development approach, news channel and media education, UAE foreign policy, China-GCC relations, diplomacy in the Internet age, intelligent cyber-security strategies, industry securities and strategic challenges, hybrid alliances and corporate security, security and privacy in smart cities, human computer interaction and e-learning solution, complexity of smart cities governance. The papers included in this book present insightful information on the most recent and relevant research, theories and practices in the field, which aim for a sustainable future.

The search for answers to the issue of global sustainability has become increasingly urgent. In the context of higher education, many universities and academics are seeking new insights that can shift our dependence on ways of living that rely on the exploitation of so many and the degradation of so much of our planet. This is the vision that drives SANORD and many of the researchers and institutions within its network. Although much of the research is on a relatively small scale, the vision is steadily gaining momentum, forging dynamic collaborations and pathways to new knowledge. The contributors to this book cover a variety of subject areas and offer fresh insights about chronically under-researched parts of the world. Others document and critically reflect on innovative approaches to cross-continental teaching and research collaborations. This book will be of interest to anyone involved in the transformation of higher education or the practicalities of cross-continental and cross-disciplinary academic collaboration. The Southern African-Nordic Centre (SANORD) is a network of higher education institutions from Denmark, Finland, Iceland, Norway, Sweden, Botswana, Namibia, Malawi, South Africa, Zambia and Zimbabwe. Universities in the southern African and Nordic regions that are not yet members are encouraged to join.

Much of the innovative programming that powers the Internet, creates operating systems, and produces software is the result of "open source" code, that is, code that is freely distributed--as opposed to being kept secret--by those who write it. Leaving source code open has generated some of the most sophisticated developments in computer technology, including, most notably, Linux and Apache, which pose a significant challenge to Microsoft in the marketplace. As Steven Weber discusses, open source's success in a highly competitive industry has subverted many assumptions about how businesses are run, and how intellectual products are created and protected. Traditionally, intellectual property law has allowed companies to control knowledge and has guarded the rights of the innovator, at the expense of industry-wide cooperation. In turn, engineers of new software code are richly rewarded; but, as Weber shows, in spite of the conventional wisdom that innovation is driven by the promise of individual and corporate wealth, ensuring the free distribution of code among computer programmers can empower a more effective process for building intellectual products. In the case of Open Source, independent programmers--sometimes hundreds or thousands of them--make unpaid contributions to software that develops organically, through trial and error. Weber argues that the success of open source is not a freakish exception to economic principles. The open source community is guided by standards, rules, decisionmaking procedures, and sanctioning mechanisms. Weber explains the political and economic dynamics of this mysterious but important market development. Table of Contents: Preface 1. Property and the Problem of Software 2. The Early History of Open Source 3. What Is Open Source and How Does It Work? 4. A Maturing Model of Production 5. Explaining Open Source: Microfoundations 6. Explaining Open Source: Macro-Organization 7. Business Models and the Law 8. The Code That Changed the World? Notes Index Reviews of this book: In the world of open-source software, true believers can be a fervent bunch. Linux, for example, may act as a credo as well as an operating system. But there is much substance beyond zealotry, says Steven Weber, the author of The Success of Open Source...An open-source operating system offers its source code up to be played with, extended, debugged, and otherwise tweaked in an orgy of user collaboration. The author traces the roots of that ethos and process in the early years of computers...He also analyzes the interface between open source and the worlds of business and law, as well as wider issues in the clash between hierarchical structures and networks, a subject with relevance beyond the software industry to the war on terrorism. --Nina C. Ayoub, Chronicle of Higher Education Reviews of this book: A valuable new account of the [open-source software] movement. --Edward Rothstein, New York Times We can blindly continue to develop, reward, protect, and organize around knowledge assets on the comfortable assumption that

their traditional property rights remain inviolate. Or we can listen to Steven Weber and begin to make our peace with the uncomfortable fact that the very foundations of our familiar "knowledge as property" world have irrevocably shifted. --Alan Kantrow, Chief Knowledge Officer, Monitor Group Ever since the invention of agriculture, human beings have had only three social-engineering tools for organizing any large-scale division of labor: markets (and the carrots of material benefits they offer), hierarchies (and the sticks of punishment they impose), and charisma (and the promises of rapture they offer). Now there is the possibility of a fourth mode of effective social organization--one that we perhaps see in embryo in the creation and maintenance of open-source software. My Berkeley colleague Steven Weber's book is a brilliant exploration of this fascinating topic. --J. Bradford DeLong, Department of Economics, University of California at Berkeley Steven Weber has produced a significant, insightful book that is both smart and important. The most impressive achievement of this volume is that Weber has spent the time to learn and think about the technological, sociological, business, and legal perspectives related to open source. The Success of Open Source is timely and more thought provoking than almost anything I've come across in the past several years. It deserves careful reading by a wide audience. --Jonathan Aronson, Annenberg School for Communication, University of Southern California

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