The Robots Are Here
Learning to Live With Them
Rosie Sage, Riccarda Matteucci

Summary
Technology is redefining what it means to live in society and be human. This book assembles research and
practice on educational robotics (intelligent machines). Britain and Italy present their practices—with the latter
a leading nation in preparing students for the New Industrial Age. Robotics assist three-dimensional
development—personal, practical and academic, for improved communication and thinking, needed for
higher-level work now that intelligent machines are undertaking routine tasks. Students no longer need
drilling in facts, accessed now by the touch of a button, but require greater attention to personal and practical
abilities to meet global challenges. Readers are made aware of new learning approaches, to achieve the
flexible, broader abilities that aid survival and well-being.

Contributor Bio
Rosie Sage is a qualified speech and language pathologist, psychologist and teacher, as well as former Dean
at the College of Teachers. Presently, she leads the Practitioner Doctorate at Buckingham University. She has
published 23 books and over 150 refereed papers in journals and has been lead speaker at many international
conferences on Language, Education and Employment. Riccarda Matteucci is regarded as an international
specialist in European languages and literatures, communication, intercultural awareness, linguistics,
psycholinguistics and the psychology of communication and learning.

Excel Insights
A Microsoft MVP guide to the best parts of Excel
Twenty Two Excel MVPs

Summary
Learn favorite techniques from this group of twenty-two Excel MVPs. The Excel MVPs are friends and
competitors who each pulled out their favorite tricks to impress you and their fellow MVPs.

Contributor Bio
Microsoft MVPs are technology experts who have very deep knowledge of Microsoft products. Each year,
Microsoft recognizes experts who have shown a passion for sharing that knowledge with the community. This
book is written by twenty Excel MVPs: Jon Acampora, Liam Bastick, Leila Gharani, Mike Girvin,
Frederic le Guen, Mathieu Guindon, Tim Heng, Wyn Hopkins, Ian Huitson, Bill Jelen, Tony de Jonker,
Gašper Kamenšek, John MacDougall, Dave Parad, Jon Peltier, Jan Karel Pieterson, Ken Puls, Oz du
Soleil, Hervé Thiriez, Mynda Treacy, Henk Vlootman, and Charles Williams.
**Introduction To Financial Modelling**  
*How to Excel at Being a Lazy (That Means Efficient!) Modeller*  
Liam Bastick

**Summary**
A simple walk-through of the common perils and pitfalls of financial modelling, this book examines the most common and necessary Excel functions, emphasizes the importance of a standardized and functional layout, explains accounting concepts simply, and reinforces four key concepts of best practice: consistency, robustness, flexibility, and transparency—CraFT. With more than fifty examples and an extended case study, this hands-on book helps users work with Excel more efficiently and effectively. This simple methodology has been adopted by many seasoned professionals who no longer must resort to balancing figures, circulars, and macros.

**Contributor Bio**
Founder of consulting firm SumProduct, **Liam Bastick** has more than twenty-five years’ experience in corporate finance, accounting, financial analysis, and forecasting.

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**Your Excel Survival Kit 2nd Edition**  
*Your Guide to Surviving and Thriving in an Excel World*  
Anne Walsh

**Summary**
You have just been promoted into a job that requires more Excel skills than ever. You are floundering, drowning in a sea of spreadsheets. This book walks you through the program in an accessible way—everything from vlookups, pivot tables, and Power Query to Power BI and Power Pivot. *The Excel Survival Kit* is small enough to slip into your purse and carry with you to the office.

**Contributor Bio**
**Anne Walsh** is a Microsoft Certified Trainer and Microsoft Office Specialist. She blogs at www.The-Excel-Expert.com and regularly does live seminars.
Silk Road
Eileen Ormsby

Summary
It was the 'eBay of drugs', a billion dollar empire. Behind it was the FBI's Most Wanted Man, a mysterious crime czar dubbed 'Dread Pirate Roberts'. SILK ROAD lay at the heart of the 'Dark Web' - a parallel internet of porn, guns, assassins and drugs. Lots of drugs. With the click of a button LSD, heroin, meth, coke, any illegal drug imaginable, would wing its way by regular post from any dealer to any user in the world. How was this online drug cartel even possible? And who was the mastermind all its low roads led to? This is the incredible true story of Silk Road's rise and fall, told with unparalleled insight into the main players - including alleged founder and kingpin Dread Pirate Roberts himself - by lawyer and investigative journalist Eileen Ormsby. A stunning crime story with a truth that explodes off the page.

Contributor Bio
Eileen Ormsby is a former lawyer turned journalist. She lives in Melbourne.

You and the Internet of Things
Vicki McLeod

Summary
As a result of advances in sophisticated artificial intelligence, machine learning, automation, and augmented reality, the Internet landscape is undergoing massive change. From toasters to transit systems, we are now in the age of the Internet of Things, where interconnected devices and objects are fully networked and communicate data back and forth. Devices and objects learn from these data exchanges and adapt and respond to our personal needs and preferences. Soon, everything will be "smart." If you are a mainstream user of technology, part of the sandwich generation, or a baby boomer trying to navigate the IoT age, this book is your roadmap.

Contributor Bio
Vicki McLeod is the founder of Main Street Communications Ltd., a strategic planning and communications firm based in Greater Vancouver, Canada. In 2013 Main Street was shortlisted by Small Business BC as one of the Top 5 Online Marketers in the province an RBC Women of Influence nominee as a Canadian Woman Entrepreneur of the Year for 2014 & 2015. She was honoured as 2014 Business Leader of the Year in Main Street’s home community of Maple Ridge B.C., Canada. She's the author of Untrending, a local newspaper columnist, and a TEDX speaker. She is the coauthor of Self-Counsel Press title Digital Legacy Plan.
Managing Cybersecurity Risk
Book 3
Jonathan Reuvid

Summary
Cybersecurity is the practice of protecting systems, networks and programs from digital attacks. These attacks are usually aimed at accessing, changing, or destroying sensitive information, extorting money from users, or interrupting normal business processes.

This new edition will provide valuable information on the cyber environment and threats that businesses may encounter. Such is the scale and variety of cyber threats, it is essential to recognize issues such as gaps in the workforce and the skills required to combat them. The guide also addresses the social and financial impacts of cyber breaches and the development of cyber protection for the future.

Offering understanding and advice the book covers topics such as the following, all from key speakers and industry experts:

- Training
- Technology trends
- New theories
- Current approaches
- Tactical risk management
- Stories of human errors and their results

*Managing Cybersecurity Risk* is an essential read for all businesses, whether large or small.

With a Foreword by Don Randall, former head of Security and CISO, the Bank of England, contributors i...

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Taobao Technology
Chao Zhao

Summary
No website develops overnight. As often as not, a website encounters various problems and faces pressure from its business along the way. However, it is these problems and challenges that drive the progress and development of technology which will in turn promote a greater improvement of business. Currently, the traffic of Taobao.com ranks within the top 15 worldwide and top 3 in China, with its system servers expanding from one to over ten thousand. This book describes the development of the gigantic internet system that is Taobao, and the cause and effect of all the active and passive technological revolutions, told from the perspectives of the engineers. There are a great variety of stories here: a look behind-the-scenes, product experience, framework evolution, technical enlightenment, the growth of prominent figures, inside gossip, and failures as well as inspirational stories. The book is smoothly written with a humorous touch that is rarely found in technical writing, with these first-hand experiences giving the reader a sense of being part of this revolutionary development.

Contributor Bio
Zhao Chao joined Taobao in 2004 under the pseudonym of Ziliu. He had once become R&D Engineer, Project Manager and Test Manager in succession. Along with the extensive reconstruction of Taobao system and the rapid expansion of talents, he founded Taobao University of Technology in 2009, where a multitude of internal and external engineers have been trained. He is well known as "Principal." In 2011, he wrote his training courses into articles. His writing becomes unstoppable and contributes to this book which summarizes Taobao’s technology in the past ten years.
Retro Gaming
A Byte-sized History of Video Games
Mike Diver

Take a trip down memory lane with Retro Gaming, and relive the glory days (and not so glory days) of your old favourites.

Summary
Packed with all the characters, games, consoles and franchises that you used to love (and possibly still do), this is a compact, conversational compendium of all-time highs—alongside just a handful of humorous (in hindsight) lows—from over 40 years of arcade, computer, console and handheld hits. From Atari’s early arcade classics and home games consoles of the 1970s, through to classics that keep on giving, such as Halo and Tomb Raider, this book summarizes the significant releases, research and revolutions that have made video games a massive industry. Evergreen favorites from Nintendo, SEGA and Sony are present and correct—no collection would be complete without entries for Mario and Sonic, Tetris and Crash Bandicoot. But we also give credit to the less-celebrated but utterly vital titles, characters, controllers and systems that have helped the world of gaming expand and evolve.

Contributor Bio
Mike Diver is a music and video game journalist and the author of Indie Games: The Complete Introduction to Indie Gaming. He has also written a number of video games-related articles for magazines Drowned in Sound, Vice and Edge.

MrExcel LX The Holy Grail of Excel Tips
Covers Excel Backwards and Forwards
Bill Jelen

Summary
These are the 125 essential tips that all Excel users need to know. MrExcel LX provides users with a concise book that can be absorbed in under two hours. Includes a section with keyboard shortcuts. Anyone who uses Excel will be able to turn to any page and pick up tips that will save them hours of work.

Contributor Bio
Bill Jelen is the host of www.MrExcel.com, a Microsoft MVP, and the author of sixty books about Excel. He lives in Merritt Island, Florida.
The Chief Data Officer Handbook for Data Governance
Sunil Soares

Summary
A practical guide for today’s chief data officers to define and manage data governance programs

The relatively new role of chief data officer (CDO) has been created to address the issue of managing a company's data as a strategic asset, but the problem is that there is no universally accepted “playbook” for this role. Magnifying the challenge is the rapidly increasing volume and complexity of data, as well as regulatory compliance as it relates to data. In this book, Sunil Soares provides a practical guide for today’s chief data officers to manage data as an asset while delivering the trusted data required to power business initiatives, from the tactical to the transformative. The guide describes the relationship between the CDO and the data governance team, whose task is the formulation of policy to optimize, secure, and leverage information as an enterprise asset by aligning the objectives of multiple functions. Soares provides unique insight into the role of the CDO and presents a blueprint for implementing data governance successfully within the context of the position. With prac...

Contributor Bio
Sunil Soares is the founder and managing partner of Information Asset, a consulting firm that specializes in data governance, and is a former director of information governance at IBM. He is the author of Big Data Governance; Data Governance Tools: Evaluation Criteria, Big Data Governance, and Alignment with Enterprise Data Management; The IBM Data Governance Unified Process; IBM InfoSphere: A Platform for Big Data Governance and Process Data Governance; and Selling Information Governance to the Business. He lives in Harrington Park, New Jersey.

Commodore
The Final Years
Brian Bagnall

Summary
Concluding the Commodore trilogy, this book takes a look at Commodore's resurgence in the late 1980's and then ultimate demise. This was a period of immense creativity from engineers within the company, who began “moonshot” projects using emerging CD-ROM technology. Get to know the people behind Commodore's successes and failures as they battle to stay relevant amidst blistering competition from Nintendo, Apple, and the onslaught of IBM PC clones. Told through interviews with company insiders, this examination of the now defunct company traces the engineering breakthroughs and baffling decisions that led to the demise of Commodore.

Contributor Bio
Brian Bagnall is the author of numerous computer titles, including Core LEGO Mindstorms, the Commodore Series, and Maximum LEGO EV3. His books have been translated into German, French, Polish, Japanese, and Italian.
**Big Data, Big Dupe**
A little book about a big bunch of nonsense
Stephen Few

**Summary**
"Big Data, Big Dupe" is a little book about a big bunch of nonsense. The story of David and Goliath inspires us to hope that something little, when armed with truth, can topple something big that is a lie. This is the author’s hope. While others have written about the dangers of Big Data, Stephen Few reveals the deceit that belies its illusory nature. If “data is the new oil,” Big Data is the new snake oil. It isn’t real. It’s a marketing campaign that has distracted us for years from the real and important work of deriving value from data.

**Contributor Bio**
Stephen Few is the founder of the IT consultancy Perceptual Edge. With 35 years of experience in the field, he harbors an ardent love/hate relationship with IT. The world is inundated with far too many unneeded and poorly designed IT products. The great promise of IT is being undermined by an irresponsible industry and poorly skilled practitioners. He advocates a more thoughtful, ethical, human-focused, skills-based, and design-oriented revolution in IT to reduce the waste, prevent further harm, and set our feet once and for all on the path to an “information age” worthy of the name. He speaks, teaches, and consults around the world and writes the quarterly “Visual Business Intelligence Newsletter.” He is also the author of four other books: "Show Me the Numbers: Designing Tables and Graphs to Enlighten," "Information Dashboard Design: Displaying Data for At-a-Glance Monitoring,” “Now You See It: Simple Visualization Techniques for Quantitative Analysis,” and “Signal: Understanding What Matters in a World of Noise.”

**Declutter Your Data**
Take Charge of Your Data and Organize Your Digital Life
Angela Crocker

**Summary**
Technology makes things faster, and simpler. At the same time, with all the technology that surrounds us on a daily basis, everyone is awash in too much information. Our computers, phones, tablets, work projects, tax and other files, and various online accounts all store data. It’s a lot!
Can anything be done? Yes! *Declutter Your Data* is for anyone who is interested in making better use of technology, cleaning up their digital clutter, and coming up with an organized and efficient way to access their data going forward.
This book guides readers step by step through the process of figuring out what data is important to them; wrestling with the information to clear out what’s not useful and organize what they want to keep; and dealing with the ongoing data maintenance aspect that is a necessity in this digital age. Following author Angela Crocker's advice and putting these ideas into practice will reduce your digital clutter, make you more efficient, help you save time, and give you a happier relationship with your information, clearing your mind for more important things.

**Contributor Bio**
Angela Crocker has been described as a pioneer of ethical social media, a business savvy digital goddess, and an information organizing superhero. A thought leader on online communities, digital decluttering, and content planning, Angela works as an author, speaker, and instructor to help businesses and individuals plan, communicate, and engage through digital media. An accomplished teacher, Angela has created and presented numerous college-level courses, custom workshops, and one-on-one tutorials. *Declutter Your Data* is her fourth book.
Digital Legacy Plan
A guide to the personal and practical elements of your digital life before you die
Angela Crocker, Vicki McLeod

Summary
When you die, what will be left about you online? How will your online accounts be accessed and how will you be remembered for posterity? From online banking to decades worth of digital family photos, copious creative or intellectual property, or personal history documented on social media, everyone has a widespread digital footprint that tells the story of our lives. But how much of that story remains online after we’re gone? Angela Crocker and Vicki Mcleod team up to give readers ideas and tips on how to handle their digital legacies. Vicki focuses on the personal aspects of legacy, while Angela brings it down to earth with the practical, how-to aspects. One hundred years from now, there will be one billion dead people on Facebook. And while it can be uncomfortable to talk about death, it’s important to prepare the personal and practical elements of your digital life before death. This guide offers best practices for online memorials, social media and mourning, and digital etiquette in death. Also tools and resources are included throughout the book to help your digital estate plan...

Contributor Bio
Angela Crocker has been described as a pioneer of ethical social media, a business savvy digital goddess, and an information organizing superhero. Angela works as an author, speaker, and instructor to help businesses and individuals plan, communicate, and engage through digital media. She is the author of Declutter Your Data and The Content Planner. Vicki McLeod is the founder of Main Street Communications Ltd., a strategic planning and communications firm in Vancouver. In 2013 Main Street was shortlisted by Small Business BC as one of the Top 5 Online Marketers in the province. She was honored as 2014 Business Leader of the Year. She’s the author of #Untrending, a local newspaper columnist, and a TEDX speaker.

Content Chemistry (5th Edition)
The Illustrated Handbook for Content Marketing
Andy Crestodina

Summary
This edition has been updated to reflect new technology and marketing trends. The result of thousands of conversations about web marketing with hundreds of companies, this handbook is a compilation of the most important and effective lessons and advice about the power of search engine optimization, social media, and email marketing. The first and only comprehensive guide to content marketing, this book explains the social, analytical, and creative aspects of modern marketing that are necessary to succeed on the web. By first covering the theory behind web and content marketing and then detailing it in practice, it shows how it is not only critical to modern business but is also a lot of fun.

Contributor Bio
Andy Crestodina is the cofounder and the strategic director of Orbit Media Studios, an award-winning web design company, which has completed more than 1,000 successful website projects. He is a top-rated speaker at national conferences who is dedicated to the teaching of marketing. His favorite topics include search engine optimization, social media, analytics, and content strategy. He has written more than 100 articles on content marketing topics. He lives in Chicago.
The Bottom-up Revolution  *(New edition)*

**Mastering the Emerging World of Connectivity**

Rob Kall

Barack Obama, Bernie Sanders, Hillary Clinton, George W. Bush, Sir Richard Branson, Steve Jobs, and Mark Zuckerberg have all said that that change or growth happen from the bottom up.

But what does it mean and how do you do “bottom up” better and smarter? Bottom up is a way of life and a way of doing...

**Summary**

Barack Obama, Bernie Sanders, Hillary Clinton, George W. Bush, Sir Richard Branson, Steve Jobs, and Mark Zuckerberg have all said that that change or growth happen from the bottom up.

But what does it mean and how do you do “bottom up” better and smarter? Bottom up is a way of life and a way of doing business. *The Bottom-Up Revolution: Mastering the Emerging World of Connectivity,* picks up where Malcolm Gladwell’s *Tipping Point* left off. It is a how-to book for businesses, leaders, organizations, activists, and individuals, cracking wide-open humankind’s biggest trend in seven million years. By understanding the roots and implications of “bottom up” and “top down” you’ll be better able to tap the incredible power of this trend, as the billionaire founders of Google, Facebook, Craigslist and Twitter have done.

**Contributor Bio**

Rob Kall is an award-winning journalist, inventor, software architect, connector and visionary. Articles by and about him have been featured in the *New York Times*, the *Wall Street Journal*, CNN, ABC, the *HuffPost*, *Success*, *Discover* and other media. He’s given talks and workshops to Fortune 500 execs and national medical and psychological organizations, and pioneered first-of-their-kind conferences in Positive Psychology, Brain Science and Story. He hosts some of the world’s smartest, most interesting and powerful people on his Bottom up Radio Show. Rob founded and publishes one of the top Google- ranked progressive news and opinion sites, OpEdNews.com

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My Secret YouTube Life

Charlotte Seager

**Summary**

What if your favorite YouTuber's life was a lie? What if you were the one to expose it? YouTuber LilyLoves has an amazing life: a rockstar boyfriend, a totally Insta-worthy London flat and a collection of beauty products that seems to grow daily (thanks, PO Box). Sixteen-year-old Melissa’s life is way less amazing—LilyLoves is the only thing getting her through it. She’s Lily’s biggest fan and spends hours each night watching her videos and liking her posts. Melissa wants that life for herself—or at least to look like she has it. As Melissa starts to grow in confidence—and followers—she discovers a crushing secret about Lily—the ultimate YouTube lie. Does she share Lily’s secret and crush her fame? Or will they both continue to live a lie, both online and off?

**Contributor Bio**

Charlotte Seager works for *The Times* and *The Sunday Times* as engagement editor, building online communities. *My Secret YouTube Life* is her debut novel.
**The Content Planner**

A Complete Guide to Organize and Share Your Ideas Online

Angela Crocker

Summary

*The Content Planner* helps business writers plan, create and publish content to a website. Readers know the importance of publishing frequent, unique content to their blog but they struggle to take action. Some are overwhelmed at the prospect of brainstorming topics to write about let alone writing and publishing the content. Others are unable to organize their ideas into a viable publishing schedule and end up publishing nothing. By using an editorial calendar to plan a month of online content in advance, each business will save time, build relationships with customers, write more professionally, share content consistent with the brand, and better serve their customers and potential customers. *The Content Planner* provides a structure that focuses each business on the types of content that support their business objectives.

Contributor Bio

Angela Crocker is a writer, a teacher and an information organizer. Trained as both a business writer and a technical writer, Angela draws on her twenty years of business experience in marketing, fundraising, entrepreneurship, leadership and business communication. Angela was recognized as a finalist for the Self-Employment Entrepreneur of the Year Award in 2011. An accomplished teacher, Angela has created and presented numerous college-level courses, custom workshops and one-on-one tutorials. *The Content Planner* is her third book.

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**The Apple Revolution**

Steve Jobs, the Counter Culture and How the Crazy Ones Took Over the World

Luke Dormehl

Summary

*The true story behind the rise of the world's largest technology company, with exclusive insider interviews*

This is the story of how the sex, drugs, and rock 'n' roll generation changed the world forever. Meet the crazy ones who created Silicon Valley—the hippies who started the Homebrew Computer Club, the young ad executive who first sketched out Apple's iconic logo, and the engineers who met lying down in a cardboard geodesic dome at Stanford University. From Steve Wozniak, who built the first breakthrough Apple computers, to Jony Ive, who imagined the iPod—the designers and programmers, the geeks, creatives, and dreamers, they are all here. And at the center of it all, a bearded and barefoot Steve Jobs, whose singular vision would will Apple Inc. into a future that it would come to own.

Contributor Bio

Luke Dormehl is a journalist and an award-winning documentary filmmaker. With a particular focus on pop culture, his writing has appeared extensively in dozens of online and print publications, while his films have been screened at Cannes.
Contemporary Issues in Digital Marketing
New Paradigms, Perspectives, and Practices
John Branch, Marcus Collins, Eldad Sotnick-Yogev

Summary
We live in the digital age. There are more than 3 billion people connected to the internet. For every 100 people on the planet, there are 96 mobile telephone subscriptions. And more and more of our everyday objects—cuddly toys, cars, even kettles—have created an “internet of things.” Marketers, in particular, hope that so-called digital marketing will allow them to gain new customer insights, refine customer segmentation, and communicate to customers more efficiently and effectively. They anticipate that the digital age will offer possibilities for new product innovation, advanced methods for engaging customers and original vehicles for creating brand communities.

Despite the pervasiveness of digital technologies, however, digital marketing is seemingly still in its infancy. Contributions from both academics and practitioners who are experts in the field explore the realities of digital marketing.

Contributor Bio
John Branch is Clinical Assistant Professor of Business Administration at the Stephen M. Ross School of Business, and Faculty Associate at the Center for Russian, East European, and European Studies, both of the University of Michigan. John is also Visiting Fellow at Wolfson College, University of Cambridge in Cambridge, England. Marcus Collins is a culturally curious thinker with an affinity for understanding the cognitive drivers and environmental factors which impact human behaviour. He is a Golden Apple Award nominated faculty member at the Ross School of Business at the University of Michigan, and leads the Social Engagement practice at Doner Advertising. Marcus was recognised as Ad Age’s 2016 40 Under 40 bright young minds who are reinventing and reshaping marketing’s future. Eldad Sotnick-Yogev is an experienced strategic marketer who has worked with such companies as Ford, Jaguar/Land Rover, NBA, Fitbit, Zurich Insurance, and Eurostar, helping to steer their global digital and performance marketing strategies and analytics across paid, owned, and earned media channels. He has...

Dot.Bomb Australia
How We Wrangled, Conned and Argie-bargied our Way Into the New Digital Universe
Kate Askew

Summary
The inside story of the internet boom and bust, of the business deals which made headlines, and the colorful cast of characters behind them.

Google became a verb, countries waged war games in the new digital universe, and WikiLeaks sent shockwaves through a superpower. We got to this point from a place that was called the dot.com bubble. Few booms in Australia have been faster or more furious than this bubble. The brightest and best investors dived in, technology geeks grew into overnight millionaires, and miners stopped digging dirt and started surfing the net. The market surged and crashed, as the dot.com bubble became the dot.com bomb. Australia witnessed a truly extraordinary efflorescence of unrestrained investment fervour. Tagged as "irrational exuberance" by Alan Greenspan during the boom’s formative period, it became a wild moment of fin de siecle and millennial madness. A new way of valuing companies (on cash flow entirely, rather than boring old profitability) was invented to match the new technology in play. What began with internet services and telecom start-ups stretched...
Connected World
From Automated Work to Virtual Wars: The Future, By Those Who Are Shaping it
Philip Larrey

Summary
The world as we know it is changing. Driverless cars, drone deliveries, and autonomous weapon systems are no longer the stuff of science fiction. But what’s next for technology and business, and how will it impact our society? In Connected World, Philip Larrey of the Pontifical Lateran University explores the consequences of the new digital age in conversation with leaders including Sir Martin Sorrell, CEO of WPP, Eric Schmidt, CEO of Google's parent company Alphabet, and Maurice Lévy, CEO of Publicis Groupe. Ranging from the death of privacy to the rise of artificial intelligence, Connected World asks the existential questions which will come to define our age.

Contributor Bio
Philip Larrey, Ph.D., is a Catholic priest who holds the Chair of Logic and Epistemology at the Pontifical Lateran University in the Vatican. For years he has been following the philosophical implications of the rapid development of artificial intelligence. With candor, he challenges industry leaders he comes into contact with at the Vatican to discuss how technology is shaping the fabric of our society. His new book, Connected World, represents some of the fruits of those dialogues.

Business Intelligence Strategy
A Practical Guide for Achieving BI Excellence
John Boyer, Bill Frank, Brian Green, Tracy Harris,...

Summary
Geared toward IT management and business executives seeking to excel in business intelligence initiatives, this practical guide explores creating business alignment strategies that help prioritize business requirements, build organizational and cultural strategies, increase IT efficiency, and promote user adoption. Business intelligence, together with business analytics and performance management, eliminates information overload by organizing the massive amounts of information available in the modern enterprise. Addressing the challenges of business intelligence operations, this resource supports the goal of better business decision making and identifying unrealized opportunities. Each chapter includes a checklist of recommended approaches and a strategy overview template.

Contributor Bio
John Boyer leads the business intelligence advisory team at the Nielsen Company. He lives in Chicago. Bill Frank has more than 25 years of experience in decision support and business intelligence and is a certified Project Management Professional (PMP). He lives in New Brunswick, New Jersey. Brian Green is manager of business intelligence and performance management at Blue Cross Blue Shield of Tennessee. He lives in Chattanooga, Tennessee. Tracy Harris is senior manager in business intelligence excellence at IBM and is responsible for chairing the BI Excellence Advisory board and managing the BI Excellence Program and Champion initiative at IBM. She lives in Ottawa, Ontario. Kay Van De Vanter is the enterprise BI architect and business intelligence competency center lead at the Boeing Company. She lives in Seattle.
Conquer the Web
The Ultimate Cybersecurity Guide
Jonathan Reuvid, Nick Wilding, Tim Mitchell, Maure...  
Tons of malicious content floods the internet which can compromise your system and your device, be it your laptop, tablet or phone. If you believe using an antivirus software will keep you safe, you are wrong. This book will guide you and provide solutions to avoid common mistakes and to combat cyber...

Summary
This is the ultimate guide to protect your data on the web. From passwords to opening emails, everyone knows what they should do but do you do it? Tons of malicious content floods the internet which can compromise your system and your device, be it your laptop, tablet or phone. How often do you make payments online? Do you have children and want to ensure they stay safe online? How often do you sit at a coffee shop and log onto their free WIFI? How often do you use social media on the train or bus? If you believe using an antivirus software will keep devices safe... you are wrong. This book will guide you and provide solutions to avoid common mistakes and to combat cyber attacks. This Guide covers areas such as building resilience into our IT Lifestyle; Online Identity; Cyber Abuse: Scenarios and Stories; Protecting Devices; Download and share; Gaming, gamble and travel; Copycat websites; I Spy and QR Codes; Banking, apps and Passwords. Includes chapters from Nick Wilding, General Manager at AXELOS, Tim Mitchell, Content Director at Get Safe Online, Maureen Kendal, Director at Cyberca...

Contributor Bio
Jonathan Reuvid originated and has edited ten editions of Managing Business Risk in association with the Institute of Risk Management (IRM), eight editions of Personal Wealth Management with the Institute of Directors (IoD), and an acclaimed series of guides to doing business with China. He is also co-author of International Trade, endorsed by ICC United Kingdom, published in Chinese as well as English. An Oxford MA, Jonathan was formerly an economist with the French national oil company, Total, and later Director of European Operations for a US Fortune 500 precision components manufacturer before embarking on a second career in publishing. He has more than 80 published titles to his name.

Business Cyberbullies and How to Fight Back
Debbie Elicksen
Businesses are frequently under attack by rivals and antagonists, and their reputations can be ruined by false websites, hacking and rumor-mongering online. Debbie Elicksen, an experienced author on digital issues, guides businesses with a step-by-step plan to protect their brands and deal with cybe...

Summary
Businesses are frequently under attack by rivals and antagonists, and their reputations can be ruined by false websites, hacking and rumor-mongering online. Debbie Elicksen, an experienced author on digital issues, guides businesses with a step-by-step plan to protect their brands and deal with cyberbullies.

Contributor Bio
Debbie Elicksen is a Social Media Publicist, Marketing Strategist, and Content Creator with experience working with high profile celebrities, communications, media, and publishing. She co-hosts the web show Virtual Newsmakers with Cynthia K. Seymour, and has written and published 11 books, including Self-Counsel Press titles: Publishing & Marketing in the Digital Age and Self-Publishing 101. www.businesscyberbullying.com.
**CAD for the Workshop**

Neill Hughes

**Summary**

A practical guide suitable for home metalworkers and model engineers

Computer-aided design (CAD) technology is essential for modern design and manufacture in the workshop. With software more practical, affordable, and accessible than ever, there has never been a better time to learn how to get the most out of CAD. Whether a reader is new to CAD or ready to try more advanced software, this practical guide gives a thorough introduction to the technology and how to greatly enhance design and manufacture in the workshop. It covers design techniques—not restricted to any CAD software package, software selection, and the conventions of technical drawing. It offers case studies demonstrating the application of different CAD techniques for a range of projects.

**Contributor Bio**

Neill Hughes is a professional mechanical engineer with many years of practical industrial experience. He has worked on projects ranging from the design and development of bespoke production-line machinery, to product design for manufacture and prototype development. He currently works both as a freelance designer and as a lecturer in engineering design and computer-aided design.

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**DB2 9 Fundamentals**

Certification Study Guide

Roger E. Sanders

**Summary**

Starting with the certification process itself and ending with the concept of isolation levels and locking, this guide covers everything needed to know to pass the DB2 9 Fundamentals Certification Exam (Exam 730). The prerequisite for all intermediate and follow-on DB2 certifications, XML usage, basic table creation, a rich set of sample questions, and detailed answers are all included, forming the foundation for understanding the newest version of IBM’s flagship database product. Regardless of what future certification path the reader is planning on pursuing, this study guide will chart a course for proficiency in DB2 9.

**Contributor Bio**

Roger E. Sanders is the president of Roger Sanders Enterprises, Inc. He has written articles for publications such as Certification Magazine and IDUG Solutions Journal, authored tutorials for IBM’s developerWorks website, and writes a regular column in DB2 Magazine.
Digital Drive, E-governance and Internet Services in India
Quality Dimensions
Sri Ram Khanna, Paramjeet Singh

Summary
Digital India (DI) Vision 2019 is an initiative of the Government of India to integrate Government Ministries and Departments with the people of India. It aims at ensuring the availability of government services to citizens electronically by reducing paperwork. The initiative also includes plans to connect rural areas with high-speed internet networks.

The present work incorporates a study in the form of a comprehensive survey involving 52,000 respondents to assess the quality of internet services (QoIS) in India. Based on the findings of the survey, VOICE made a number of recommendations to Telecom Regulatory Authority of India (TRAI) and the Government of India. The work provides deep insights into the structure and regulation of internet services in India and hence is an invaluable source of information for various stakeholders in the field.

Contributor Bio
Specializing in marketing and international business, Professor Sri Ram Khanna has published 7 books and over 100 research papers.

Data Management for Libraries
Understanding DBMS, RDBMS, IR Technologies & Tools
V.J. Suseela, V. Uma

Summary
A library is a system that consists of inter-dependent and interrelated sub-systems that generate huge amounts of data. It shares the common data within the system and across the systems. In modern integrated library systems, the bibliographic data is primarily connected to various other sub-systems. The back-end relational database management systems (RDBMS) are effective in organizing the data in standard formats while avoiding data redundancy. The data created from this process is usually made available to users for their retrieval. Thus, the entire cycle revolves around the growing information requirements of users. This book attempts to focus on creating and understanding the basic concepts of databases, library databases, DBMS/RDBMS functioning at the backend of LIS operations in building such databases while specifying the usefulness of DBMS approach in the effective retrieval of information from library catalogs, as well as from external online databases. The relevant strategies to be applied in information retrieval and useful tools are briefly dealt with, with information g...
Access VBA Made Accessible
A Complete Course on Microsoft Access Programming
Dr. Gerard Verschuuren

Summary
These self-paced courses provide technology users with the training required for proficiency. Presented visually on more than 1,400 slides, and with frequent self-checks to ensure mastery, these tutorials include a convenient navigation system that allows the learners to jump to any specific location.

Contributor Bio
Gerard Verschuuren is a Microsoft Certified Professional specializing in VB, VBA, and VB.NET. He is the author of *Slide Your Way Through Excel VBA* and *Excel for Scientists*. He lives in Atkinson, New Hampshire.

Administering Informix Dynamic Server
Building the Foundation
Carlton Doe

Summary
Geared towards database server administrators who need to get a server up and running in a short amount of time, this guide focuses on the basic skills required to administer and maintain the Informix Dynamic Server (IDS) data server. Each of the major functional areas of the database server are reviewed, including designing, initializing, monitoring, building availability layers, securing data, and the data processing environment. This book reviews how the IDS works, how to install it, how to configure a database environment, back up, recovery, and includes an introduction to monitoring instance operations, making it useful to current IDS users who need to upgrade from earlier versions of the data server as well as those who have never used IDS before.

Contributor Bio
Carlton Doe was a data server administrator and 4GL developer for Informix for more than 10 years and is currently a senior certified consulting IT specialist for IBM. He cofounded the International Informix Users Group and served as its president and on its board of directors for several years. He is the author of *Administering Informix Dynamic Server on Windows NT* and *Informix-OnLine Dynamic Server Handbook*. He lives in Dallas, Texas.
### Database Design and SQL for DB2

**James Cooper**

**Summary**

Thorough and updated coverage of database design and SQL for DB2 are the focus of this guide for the relational database-management system used on IBM i computer systems. Suitable for classroom instruction or self-study, this book explains the most widely used database language and the way that language is implemented on a variety of computer platforms. Topics covered include database concepts, SQL inquiries, web applications, and database security, and the material is reinforced by numerous illustrations, examples, and exercises.

**Contributor Bio**

**James Cooper** is a professor and the program coordinator for the computer studies department at Lambton College. He lives in Sarnia, Ontario.

### DB2 10 for z/OS

**The Smarter, Faster Way to Upgrade**

**John Campbell, Cristian Molaro, Surekha Parekh**

**Summary**

Addressing the cost control and efficiency pressures in the current economic climate, this handbook offers solutions for DB2 for z/OS customers seeking competitive advantages for increased productivity and operational efficiency. This guide prepares businesses for DB2 updates and changes. Included in this book are reviews of performance improvement, methods to improve database security, and suggestions for better usability and interfacing with SQL8 and pureXML.

**Contributor Bio**

**John Campbell** is an IBM distinguished engineer and is one of IBM's foremost authorities for implementing high-end database and transaction-processing applications. **Cristian Molaro** is an independent DB2 specialist and an IBM gold consultant. He was recognized as an IBM Champion in 2009, 2010, and 2011. **Surekha Parekh** is IBM's worldwide marketing program director for DB2 for z/OS. She is responsible for market strategy, planning, and promotion of DB2 on System z.
**DB2 10 for z/OS Database Administration**

**Certification Study Guide**

Susan Lawson, Daniel Luksetich

**Summary**

Written primarily for database administrators who work on z/OS and who are taking the IBM DB2 10 for z/OS Database Administration certification exam (Exam 612), this resource also appeals to those who simply want to master the skills needed to be an effective database administrator of z/OS mainframes. The guide covers all the topics on the exam, including database design and implementation, operation and recovering, security and auditing, performance, and installation and migration. Complete with sample questions and detailed answers—as well as a full-length practice exam—this study guide serves as an essential tool. Programmers will learn how to create, maintain, and administer DB2 10 databases on the z/OS platform and how to implement XML with a DB2 10 database, making them successful database administrators after they pass certification.

**Contributor Bio**

**Susan Lawson** is a system- and database-administration consultant and lecturer. She is the author of *DB2 for z/OS Version 8 DBA Certification Guide*. She lives in Springfield, Illinois. **Daniel Luksetich** is a DB2 database professional with 26 years of experience in high-performance design and tuning of large databases and highly available high-volume database applications. He lives in Manhattan, Illinois. They are the coauthors of *DB2 9 for z/OS Database Administration*.

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**DB2 10.1 Fundamentals**

**Certification Study Guide**

Roger E. Sanders

**Summary**

Beginning with an explanation of the certification process and working through fundamental exam objectives, this guide gives test-takers all they need to know to pass IBM's DB2 10.1 Fundamentals certification exam (Exam 610). All the subjects covered on the exam are included: planning, security, data concurrency, working with databases and database objects, working with data using SQL and XQuery, working with DB2 tables, views, and indexes—and more. The book concludes with an extensive set of 150 practice questions that mirror the questions found on the exam and detailed answers that explain why the chosen answer is correct and why the others are wrong. Written by a DB2 authority who has helped IBM develop 21 DB2 certification exams, this is the ultimate resource for those who plan to earn their IBM Certified Database Associate certification.

**Contributor Bio**

**Roger E. Sanders** is the president of Roger Sanders Enterprises, Inc. and a senior consultant corporate systems engineer with EMC Corporation. He is the author of 22 books on relational database technology and has written articles for *Certification* magazine and *IDUG Solutions* journal. He lives in Fuquay-Varina, North Carolina.
**DB2 10.1/10.5 for Linux, UNIX, and Windows Database Administration**

**Certification Study Guide**

Mohankumar Saraswatipura, Robert Collins

**Summary**

Much more than a simple certification study aid, this comprehensive 1,248 page book is designed to help you master all aspects of IBM DB2 database administration and prepare you to take and pass IBM's Certification Exams 611 and 311: Certified Database Administrator. Building on years of extensive hands-on experience, the authors step you through all the areas covered on the test. The book dives deep inside each certification topic: DB2 server management, physical design, business rules implementation, activity monitoring, utilities, high availability, security, and connectivity and networking. There is even a "crash course" chapter on DB2 10.5 features. Each chapter includes an extensive set of practice questions along with carefully explained answers. This book provides more than 400 practice questions and answers, more than 120 "flash cards" to help you study for the exam, and 50 step-by-step DB2 feature implementation procedures.

**Contributor Bio**

**Mohankumar (Mohan) Saraswatipura** works as a Database Solutions Architect at Kronsys, Inc., focusing on IBM DB2, Linux, UNIX, and Windows solutions. Prior to his current position, he worked as a Database Solutions Architect at Reckitt Benckiser Group, plc (UK) focusing on IBM Smart Analytics System 5600, Siebel, SQL Server, and SAP HANA solutions. He is an IBM Champion (2010–2015) and a DB2's Got Talent 2013 winner. Mohan has written dozens of technical papers for IBM developerWorks and IBM Data Magazine. He is an IBM Certified DB2 Advanced Database Administrator, DB2 Application Developer, and DB2 Problem Determination Master. Mohan holds a Master's of Technology (M Tech) degree in computer science and an Executive MBA (IT).

**Robert (Kent) Collins**, founder of Shiloh Consulting, Inc., is currently a Data Solutions Architect with BNSF Railway. He is an IBM Champion (2010–2015) and a frequent speaker at the DB2Night Show and IDUG and IOD (IBM Insight) conferences. Kent has worked continually with DB2 from its introduction to the market in 1984, amassing a wealth of knowledge and experien...

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**DB2 10.5 DBA for LUW Upgrade from DB2 10.1: Certification Study Notes (Exam 311)**

Roger E. Sanders

**Summary**

Roger E. Sanders, a leading DB2 author and an active participant in the development of DB2 certification exams, covers everything a reader needs to know to take and pass the DB2 10.5 DBA for LUW Upgrade from DB2 10.1 certification exam. This set of study notes takes the reader through each of the topics: DB2 server management; physical design; monitoring DB2 activity; high availability; and utilities. In addition, this book contains a complete practice exam with 60 questions, which closely models the actual 311 exam, along with a detailed answer key.

**Contributor Bio**

**Roger E. Sanders** is a DB2 for LUW Offering Manager at IBM. He has been working with DB2 for Linux, UNIX, and Windows (DB2 for LUW) since it was first introduced on the IBM PC (as part of OS/2 1.3 Extended Edition) and is the author of 24 books on relational database technology.
### DB2 10.5 Fundamentals for LUW: Certification Study Guide (Exam 615)

**Roger E. Sanders**

**Summary**

This book covers everything a reader needs to know to take and pass the DB2 10.5 Fundamentals for LUW certification exam. The comprehensive guide takes the reader through each of the topics: planning; security; working with databases and database objects; working with DB2 data using SQL and XQuery; working with DB2 tables, views, and indexes; and data concurrency. This book contains a complete practice exam with 125 questions, which closely models the actual 615 exam, along with a detailed answer key.

**Contributor Bio**

**Roger E. Sanders** is a DB2 for LUW Offering Manager at IBM. He has been working with DB2 for Linux, UNIX, and Windows (DB2 for LUW) since it was first introduced on the IBM PC (as part of OS/2 1.3 Extended Edition) and is the author of 24 books on relational database technology.

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### DB2 11

**The Ultimate Database for Cloud, Analytics & Mobile**

**John Campbell, Chris Crone, Gareth Jones, Surekha Parekh**

**Summary**

Essential information about early customer experiences, migration advice, and performance specifics from IBM experts directly involved in the development of DB2 11

Building on the previously published *DB2 11: The Database for Big Data and Analytics*, this book is particularly for new and existing DB2 for z/OS customers and users who want to learn as much as they can about the new software version before migrating their organizations to DB2 11 for z/OS. The guide begins with a technical overview of DB2 11 features and explains how the new functions in DB2 11 can help enterprise customers address the challenges they face with the explosion of data and information. There has been rapid growth in the variety, volume, and velocity of data due to the increase of smart devices, mobile applications, cloud computing, and social media, and many of the enhancements in DB2 11 are focused on enabling enterprise customers to respond to these market opportunities in a cost-effective way. The book includes a detailed discussion for helping customers plan their DB2 11 migration strategy, and shares ex...
**Summary**
Written primarily for database administrators who work on z/OS and who are taking the IBM DB2 11 for z/OS Database Administration certification exam (Exam 312), this resource also appeals to those who simply want to master the skills needed to be an effective database administrator of z/OS mainframes. This study guide is designed to provide those seeking certification with an intense overview of DB2 11 for z/OS and all topics covered on the exam. Sample questions are provided at the end of each chapter, along with answers and explanations.

**Contributor Bio**
Susan Lawson is an internationally recognized consultant, author, and lecturer with a background in system and database administration. She is an IBM GOLD Consultant for DB2 and z, an IBM Champion, and a Subject Matter Expert for several IBM DB2 for z/OS Certification exams.

**Summary**
This book provides an in-depth review of the skills required to pass IBM’s DB2 11 for z/OS System Administration exam 317 certification exam. This book addresses the changes in this new release of the DB2 11 for z/OS System Administration certification test, specifically for the latest version of DB2 for z/OS, version 11. Each section of the exam addresses a detailed set of skills that a DB2 system administrator on DB2 11 for z/OS should have. This book takes those sections, chapter by chapter, and provides the information a DB2 for z/OS system administrator will need to know to pass the certification exam. Practice questions and answers follow each chapter. A new practice final exam has been added to the book. The reader will come away being fully prepared to pass exam 317 and acquire certification, an important milestone showing significant academic and/or professional achievement.

**Contributor Bio**
Judy H. Nall is an internationally recognized DB2 speaker writer, consultant, and educator. She has worked with DB2 since the first release. Her company, Computer Business International, Inc., for 21 years has provided DB2 classes, consulting, and mentoring on DB2 for z/OS. Judy is an IBM DB2 Gold Consultant, IBM Champion for Analytics 2009-2016, IDUG RUG Planning Committee Member, President of the Alabama DB2 Users Group, past IDUG conference chair, IBM DB2 for z/OS Gold Consultant Advisory Council member, and author of DB2 9 System Administration for z/OS: Certification Guide. She holds IBM certifications in DB2 9, 10, and 11 for z/OS Database Administration; DB2 9, 10, and 11 for z/OS System Administration; and DB2 11 for z/OS Application Programming.
DB2 12 for z/OS—The #1 Enterprise Database
SECURE, SEAMLESS INTEGRATION for an Analytics, Mobile & Cloud World
Surekha Parekh

Summary
Analytics, Mobile, and Cloud are changing the landscape for enterprise customers. These technology trends are driven partly by an explosion of data and by business’ needs to gain “deeper business insight” from enterprise data, to improve business efficiency and effectiveness. The enterprise’s data server is at the heart of this revolution—so data servers must be agile, secure, and integrate seamlessly with these newer technologies. This book provides an overview of how DB2 12 addresses these business and technological needs. It will help architects and IT professionals understand DB2 12’s capabilities and ensure that business and IT are aligned, and also ensure that they design and deliver an architecture that supports the most efficient and secure IT environment to meet an enterprise’s business needs.

Contributor Bio
Surekha Parekh (surekhaparekh@uk.ibm.com) is IBM’s WW Marketing Portfolio Director, DB2 for z/OS. She has more than 25 years’ experience in B2B Market Management across a broad range of IT products and solutions with proven results. Surekha currently leads the Marketing for DB2 for z/OS globally and is responsible for market strategy, planning, and execution of tactics in IBM. A successful campaign and brand manager, Surekha has led several IBM global campaigns, including the 30th Anniversary of DB2. She is customer-focused and understands the importance of Customer Relationship Management. She also leads the Social Media Strategy for Information Management on System z. Surekha is a member of Chartered Marketers. She represents IBM on the International DB2 User Group (IDUG) committee and is currently the IDUG Marketing Chair.

DB2 9 for Developers
Philip K. Gunning

Summary
Written by an "in-the-trenches" consultant, this guide hails the newest version of DB2 as a major release, highlighting the large number of totally new features, most notably the addition of XML capabilities. Packed with the information DB2 developers and administrators need to know when implementing version 9, the discussion covers upgrading from prior releases of DB2, converting relational data to XML data, and how DB2 supports industry standard schemas. With detailed examples and useful scripts, users learn how to develop DB2 XML applications, design an XML database, and tune the DB2 XML hybrid database. Extensive information on DB2 optimization of SQL and XML is a particularly useful feature of the book and includes a rundown on import and export utilities that database managers can use in their own installations. Going far beyond the standard manuals and certification guides, this is a truly comprehensive resource that teaches the "why" and "how" of a well-designed and well-implemented DB2 database.

Contributor Bio
Philip K. Gunning is the principal of Gunning Technology Solutions, which provides DB2 consulting to firms throughout North America and Europe, and is active in the International DB2 User Group where he serves on the Solutions Journal editorial board. He is the author of DB2 Universal Database Handbook for Windows, UNIX, and Linux. He lives in Sinking Springs, Pennsylvania.
DB2 9 for Linux, UNIX, and Windows Advanced Database Administration Certification Study Guide
Roger E. Sanders, Dwaine R. Snow

Summary
Database administrators versed in DB2 wanting to learn more about advanced database administration activities and students wishing to gain knowledge to help them pass the DB2 9 UDB Advanced DBA certification exam will find this exhaustive reference invaluable. Written by two individuals who were part of the team that developed the certification exam, this comprehensive study guide prepares the student for challenging questions on database design; data partitioning and clustering; high availability diagnostics; performance and scalability; security and encryption; connectivity and networking; and much more. Providing sample questions in each chapter, a complete practice test modeled after the actual exam, and an extensive answer key providing full explanations for each correct answer, readers will find this to be a key resource in stimulating the learning process.

Contributor Bio
Roger E. Sanders is the president of his own database design company and is the author of 15 books on DB2. He lives in Raleigh, North Carolina. Dwaine R. Snow is a senior product manager responsible for charting the features and functions in the new releases of DB2 for Linux, UNIX, and Windows, and is the author of seven books on DB2. He lives in Maple Glen, Pennsylvania.

DB2 9 for Linux, UNIX, and Windows Database Administration Certification Study Guide
Roger E. Sanders

Summary
In DB2 9 for Linux, UNIX, and Windows Database Administration Certification Study Guide, Roger E. Sanders—one of the world’s leading DB2 authors and an active participant in the development of IBM’s DB2 certification exams—covers everything a reader needs to know to pass the DB2 9 UDB DBA Certification Test (731).

This comprehensive study guide steps you through all of the topics that are covered on the test, including server management, data placement, database access, analyzing DB2 activity, DB2 utilities, high availability, security, and much more. Each chapter contains an extensive set of practice questions along with carefully explained answers.

Taking and passing the DB2 9 UDB DBA Certification Test (731) provides validation that you have mastered the next level of DB2 9. Passing this exam also earns you the IBM Certified Database Administrator certification. The book includes a complete practice test of 150 questions that closely models the actual exam along with an answer key with a full description of why the answer is the correct one. No other source gives you this much help ...

Contributor Bio
Roger E. Sanders has been designing and developing database applications for more than 20 years and has been working with DB2 and its predecessors since it was first introduced. He has written articles for Certification Magazine and IDUG Solutions Journal, authored tutorials on IBM’s developerWorks Web site, presented at numerous International DB2 User Group (IDUG) and Regional DB2 Users Group (RUG) conferences, taught classes on DB2 fundamentals and database administration, and writes a regular column in DB2 Magazine. He is the author of more than 13 books on DB2, including two study guides and DB2 Administration All in One. He lives in Raleigh, North Carolina.
DB2 9 for Linux, UNIX, and Windows Database Administration Upgrade
Certification Study Guide
Roger E. Sanders

Summary
In DB2 9 for Linux, UNIX, and Windows Database Administration Upgrade Certification Study Guide, Roger E. Sanders—one of the world’s leading DB2 authors and an active participant in the development of IBM’s DB2 certification exams—covers everything a reader needs to know to pass the short—but notoriously challenging—DB2 9 for LUW DBA Certification Upgrade exam (Exam 736).

This specialized study guide steps you through all of the topics that are covered on the exam, including server management, data placement, XML concepts, activity analysis, high availability, database security, and much more. Everything new to DB2 9 that you will need to know in order to successfully pass the exam is covered in this book.

Taking and passing the DB2 9 for LUW DBA Certification Upgrade exam (Exam 736) provides validation that you have mastered DB2 9. Passing this exam also earns you the IBM Certified Database Administrator or Advanced Database Administrator certification.

This concentrated guide includes an extensive set of practice questions in each chapter that closely models the actual exam, along wit...

Contributor Bio
Roger E. Sanders has been designing and developing database applications for more than 20 years and has been working with DB2 and its predecessors since it was first introduced. He has written articles for Certification Magazine and IDUG Solutions Journal, authored tutorials on IBM’s developerWorks Web site, presented at numerous International DB2 User Group (IDUG) and Regional DB2 Users Group (RUG) conferences, taught classes on DB2 fundamentals and database administration, and writes a regular column in DB2 Magazine. He is the author of more than 13 books on DB2, including two study guides and DB2 Administration All in One. He lives in Raleigh, North Carolina.

DB2 9 for z/OS Database Administration
Certification Study Guide
Susan Lawson, Daniel Luksetich

Summary
In order to become an IBM Certified Database Administrator - DB2 9 DBA for z/OS, you must pass two exams: DB2 9 Fundamentals Exam (Exam 730), and DB2 9 Database Administrator for z/OS (Exam 732)—the primary focus focus of this book.

Written by two members of the team who participated in the actual writing of the exam, this specialized study guide covers every topic that you will need to know to pass Exam 732, including database design and implementation, operation and recovery, security and auditing, performance, as well as installation and migration/upgrade. But that is only the beginning. It also covers the new features of DB2 9 for both database and application development.

This comprehensive guide includes an extensive set of practice questions in each chapter that closely models the actual exam, along with an answer key with a description of why the answer is the correct one. No other source gives you this much help in passing the exam.

Whether you plan to take Exam 732 or just want to master the skills needed to be an effective database administrator on z/OS systems, this is the on...

Contributor Bio
Susan Lawson is an internationally recognized consultant and lecturer with a strong background in system and database administration. With more than 19 years experience in DB2, she currently works with several clients to help develop and implement some of the world’s largest and most complex DB2 databases and applications. She is the author of DB2 High Performance Design and Tuning, DB2 for z/OS Version 8 DBA Certification Guide, and DB2 Universal Database for OS/390 v7.1 Application Certification Guide. Daniel Luksetich is a senior DB2 database administrator and has been in the information technology business for more than 22 years. He has been a COBOL and BAL programmer, DB2 system programmer, DB2 database administrator, and DB2 application architect.
**DB2 9 System Administration for z/OS**

*Certification Study Guide: Exam 737*

Judy Nall

**Summary**

Written with system administrators in mind, this reference offers information about both DB2 and z/OS operating systems as well as guidance for preparing for the IBM Certification Test 737. Helpful and thorough, this technical guide summarizes the new features of DB2 9 environments and provides essential system administration information, such as installation and maintenance procedures. With chapters on troubleshooting, performance and tuning, and securing and auditing, as well as practice questions, this reference is a one-stop shop for DB2 system administrators.

**Contributor Bio**

**Judy H. Nall** is an internationally recognized lecturer, consultant, writer, educator, and expert in DB2. She is the president of Computer Business International, Inc., a member of the IBM DB2 Gold Consultants Group, and the recipient of an IBM Data Champion award for contributions to the IBM Data Management community. She lives in Reno, Nevada.

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**DB2 9.7 for Linux, UNIX, and Windows Database Administration**

*Certification Study Notes*

Roger E. Sanders

Preparatory guide for a certification and professional understanding

**Summary**

The relational database-management system DB2 9.7 is given detailed and comprehensive treatment in this exam-preparation resource. Compiled from presentation material used in the popular "Crammer Course" at the IBM Information On Demand Conference, everything required for certification is presented here, including server management, design, business rules implementation, activity monitoring, security, and networking. An essential resource, this guide is helpful when studying to pass the official DB2 9.7 for LUW DBA certification exam.

**Contributor Bio**

**Roger E. Sanders** is a consultant corporate-systems engineer and the president of Roger Sanders Enterprises, Inc. He lives in Fuquay Varina, North Carolina.
The Business Value of DB2 for z/OS
IBM DB2 Analytics Accelerator and Optimizer
John Campbell, Namik Hrle, Ruiping Li, Surekha Parekh...

Summary
Celebrating the 30th anniversary of the first release of DB2, this book highlights the important milestones, capabilities, and impacts of the database management software for IBM’s mainframe operating system. Special focus is given to IBM DB2 Analytics Accelerator, covering the key design and operational aspects that enable IBM DB2 for z/OS clients to benefit from faster performance, reduced CPU usage, and lower costs. The second half of the book discusses performance enhancements and cost-saving measures in the version 10 release and is rich with hints and tips for a successful upgrade. A special section on query performance and IBM DB2 Optimizer illustrates how DB2 10 addresses customer issues such as reducing total cost of ownership while maintaining stability and reliability. The final section is a collection of case studies in which DB2 10 for z/OS customers share their migration experiences and articulate the business benefits they are seeing since upgrading to the new release.

Contributor Bio
John Campbell is an IBM distinguished engineer and one of IBM’s foremost authorities for implementing high-end database and transaction-processing applications. He is the coauthor of DB2 10 for z/OS. Namik Hrle is an IBM distinguished engineer and a member of the IBM Academy of Technology. He works in the IBM Boeblingen Development Laboratory in Germany as the chief information management technologist. Ruiping Li is a senior software engineer in DB2 for z/OS development at the IBM Silicon Valley Lab. She lives in San Francisco. Surekha Parekh is IBM’s worldwide marketing program director for DB2 for z/OS and leads the social media strategy for information management on System z. She is the coauthor of DB2 10 for z/OS. Terry Purcell is a senior technical staff member with the IBM Silicon Valley Lab, where he is lead designer for the DB2 for z/OS Optimizer. He lives in Springfield, Illinois.

Access 2007 VBA Made Accessible (2nd Edition)
Dr. Gerard Verschuuren

Summary
Designed as a training tool, this reference allows Access users to advance to the next level by using Visual Basic for Applications (VBA), a powerful object-oriented programming language packaged with every copy of Access sold. Containing more than 1,110 step-by-step slides, this user-friendly guide ensures total absorption of the material by encouraging a self-paced training program. From learning total control of coding to employing various variables and spotting errors, this resource provides a solid foundation for those who want to develop Access databases.

Contributor Bio
Dr. Gerard M. Verschuuren is a Microsoft Certified Professional specializing in VB, VBA, and VB.NET. He has more than 20 years of teaching experience and is the author of numerous computer books, including Excel 2007 Expert, Join the Exceller's League, and Slide Your Way Through Excel VBA. He lives in Atkinson, New Hampshire.
Driving the Power of AIX
Performance Tuning on IBM Power
Ken Milberg

Summary
A concise reference for IT professionals, this book goes beyond the rules and contains the best practices and strategies for solid tuning methodology. Tips based on years of experience from an AIX tuning master show specific steps for monitoring and tuning CPU, virtual memory, disk I/O, and network components. Also offering techniques for tuning Oracle and Linux structures that run on an IBM power system—as well as for the new AIX 6.1—this manual discusses what tools are available, how to best use them to collect historical data, and when to analyze trends and results. The only comprehensive, up-to-date guide on AIX tuning, this is a must-have for administrators, systems engineers and architects, and other capacity planners.

Contributor Bio
Ken Milberg is the president and managing consultant of PowerT Co Solutions, a New York–based IBM business partner. He is a technical editor for IBM Systems Magazine and Power Systems Edition, as well as a frequent contributor to IBM developerWorks. He has consulted with many global Fortune 400 companies, is a PMI-certified project management professional and an IBM certified advanced technical expert, and holds certifications in Solaris and HP-UX. technical. He lives in New York City.

Creating a Website with WordPress
Studio Visual Steps

Summary
For many people, creating and updating a personal website has become a fun and enjoyable hobby, and with the free, user-friendly WordPress software, you can make your own personal and professional website in no time at all. This practical how-to book shows you step by step exactly what to do. From choosing a theme and layout to adding text, hyperlinks, images, and videos, this book—and the software from WordPress—explains everything necessary for creating and finalizing your website and going live. The book is suitable for computers with Windows 10, 8.1, 7, Vista, and Mac OS X.

Contributor Bio
Studio Visual Steps is a team of experienced professionals dedicated to producing useful and informative technology titles.
**Ctrl+Shift+Enter**

Mastering Excel Array Formulas

Mike Girvin

**Summary**

Created for heavy-duty users who prefer a visual learning experience, this DVD-ROM is an all-encompassing video edition of *Ctrl+Shift+Enter Mastering Excel Formulas*. Users have the option of choosing a topic of interest from an assortment of videos featured on the menu, and once viewing the segment, they may click a link adjacent to the video to launch the Excel file featured in the segment. Compatible with Macs or PCs and narrated throughout, the DVD-ROM can function as a stand-alone educational tool or be used to enhance the understanding of the book’s contents. With this tutorial, power users will learn to create formulas that solve everyday problems with a series of data values that standard Excel formulas cannot or would be too arduous to attempt. Among the topics covered are the differences between array and standard Excel formulas, which functions are appropriate for their usage, and criteria for extracting data and lists.

**Contributor Bio**

Mike Girvin is the author of *Slaying Excel Dragons* and has more than 800 Excel how-to videos on YouTube. He teaches finance, accounting, and statistics using Excel at the community college level. He lives in Seattle.
**Dashboarding and Reporting with Power Pivot and Excel**

**How to Design and Create a Financial Dashboard with PowerPivot – End to End**

Kasper de Jonge

**Summary**

Microsoft’s revolutionary Power Pivot is a tool that allows users to create and transform data into reports and dashboards in new and much more powerful ways using the most-used analytical tool in the world: Excel.

This book, written by a member of Microsoft’s Power Pivot team, provides a practical step by step guide on creating a financial dashboard. The book covers in detail how to combine and shape the relevant data, build the dashboard in Excel, providing layout and design tips and tricks, prepare the model to work with fiscal dates, and show values used in many financial reports, including year-to-date, variance-to-target, percentage-of-total, and running totals reports.

Accessibly written, this book offers readers a practical, real-world scenario and can be used as a day-to-day reference. Though the guide focuses on Power Pivot for Excel 2010, a chapter that discusses Power View—compatible with Excel 2013— and Power BI is also included.

**Contributor Bio**

**Kasper de Jonge** is a senior program manager on the Analysis Services team at Microsoft, where he has worked developing features for Power Pivot and other Analysis Services products such as the Tabular model and Multidimensional cubes. He is a frequent speaker at conferences such as TechEd, SQLPASS, and SQLSaturday, and is the creator of Power Pivot Blog, one of the leading Power Pivot websites. He lives in the Seattle area.

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**Comprehensive Power BI**

Ryan Bergstrom, Rob Collie, Ryan Sullivan

**Summary**

Written by the world’s foremost PowerPivot blogger and practitioner, the book’s concepts and approach are introduced in a simple, step-by-step manner. This updated third edition covers new features introduced in 2018-2019. The techniques presented allow users to produce, in hours or even minutes, results that formerly would have taken entire teams weeks or months. It includes lessons on the difference between calculated columns and measures; how formulas can be reused across reports of completely different shapes; how to merge disjointed sets of data into unified reports; and how to create time-intelligent calculations in pivot tables such as "Year over Year" and "Moving Averages." The pattern-like techniques and best practices contained in this book have been developed and refined over two years of onsite training with Excel users around the world, and the key lessons from those seminars are now available within the pages of this easy-to-follow guide.

**Contributor Bio**

**Ryan Bergstrom** is a consultant with PowerPivotPro and enjoys witnessing “the moment” when a client realizing how revolutionary PowerBI, PowerPivot, and PowerQuery are for their business. **Rob Collie** is an entrepreneur, author, and consultant. He was one of the founding engineers behind PowerPivot at Microsoft and operates the world’s leading PowerPivot website, PowerPivotPro.com. **Ryan Sullivan** received a degree in Pure Mathematics before becoming a full stack developer for Microsoft Business Intelligence tools. His interests include optimizing business through intelligent data use and empowering analysts in the trenches.
**Gringras: The Laws of the Internet** *(5th Edition)*
Paul Lambert

**Summary**
The free flow of information and services around the world via the Internet constantly creates new issues and problems, such as rules of jurisdiction and applicable law, how new products and services should be regulated and many more. *Gringras: The Laws of the Internet Fifth Edition* is updated with numerous new practical examples, cases (court cases and ICO complaint cases), laws and developments, including the following:
- The new Data Protection Act - The GDPR - New data risks, breaches, penalties and fines - Data Protection Officers - Increasing emphasis on data, lifespan, harm, deletion and forgetting - Pre-problem solving new and proposed internet and tech applications, from processes, audits, impact assessments, data protection by design, etc. - Intellectual property developments, in particular trade marks and copyright - Revenue and tax developments - eCommerce and mCommerce - new online crimes and offences (including online threats and abuse), and relevant caselaw - there are also associated tort law developments included - many new competition related developments have occur...

**Contributor Bio**

Paul Lambert, BA, LLB, LLM, CTMA, is a lecturer and solicitor specialising in contentious and non-contentious internet, IT and intellectual property law. He frequently writes and speaks on technology related issues that affect the legal systems in Europe, the US and Asia. Paul is also the author of *A User's Guide to Data Protection* (3rd edition due to publish February 2018) and *Courting Publicity: Twitter and Television Cameras in Court* (Bloomsbury Professional, October 2011).

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**Computer Based Library and Information Systems Designing Techniques** *(Revised Edition)*
Madan Mohan Kashyap

**Summary**
The purpose of this book is to give accounts of systems theory to help one to understand the process of systems analysis and design as well as design better information technology based systems in libraries; to describe the methodology for conducting system study and to explain the use and application of systems analysis and design tools and techniques.
**Demystifying Databases**

*A Hands-on Guide for Database Management*

Shiva Sukula

**Summary**

As databases have become more powerful, more standardized, and more affordable, database technology has been transformed from a proprietary technology that companies can use to gain an edge over their rivals into an infrastructural technology that is shared by all competitors. This book presents the concepts for design and implementation of modern databases. An analytical approach is followed so that the concepts learned can be applied not only to the wide variety of databases that exist, but can also be used to build systems for the future. The book provides emphasis on the design and the formalization of databases. The conceptual, mathematical, and practical aspects are stressed. Chapters are divided as: Overview of Database Architecture. Indigenous Databases. Growth and Development of Databases. Marketing of Databases. Web Application of Databases. The focus is on a coherent systematic coverage of database design, applications, and trends, presenting a reasonably comprehensive explanation of the process of the development of database application systems within the framework ...

**Digital Libraries and Information Networks**

Amjad Ali

**Summary**

Digital libraries and information networks provide a large quantity of information without any limitation of time and space. They are increasingly being used for fulfilling social needs, such as the preservation of linguistic, literary, historical, and cultural heritages. Access to such information is simpler and more economic. They support teaching and learning and allow the new media of information to be managed more effectively. In this book, popular digital libraries and information networks - being developed in India as well as internationally - are examined. Additionally, the book examines 20 major digital libraries in India, which are at a developing stage. It will be useful for the students of library science, information science, journalism, and mass communication, as well as for those who are interested in information retrieval through modern means.
Digital Libraries in the Making
Amjad Ali

Summary
This book covers the development of the various kinds of information media specifically the digital technology of recording and reproduction of information which led to the transformation of the present day libraries. The book also discusses about some major information networks and sources of information available digitally at present.

Dynamics in Digital Information Systems
Festschrift Volume in Honour of Prof. M. Bavakutty
A. Amudhavalli

Summary
Knowledge management facilitates empowering rural, indigenous, and marginalized communities through implementation of e-governance, providing access to a variety of government documents relevant to the life of rural communities, village kiosks, land-sat imaging and remote sensing, geographical information systems, etc. Knowledge management also enables the sharing of the wealth of tacit community knowledge for the good of the nation and the global community, which facilitates the understanding between cultures. Recent developments and extensions of information and communication technology applications points to the possibilities of bridging the digital divide and better management of rural community knowledge. This festschrift is in honor of Professor M. Bavakutty and is a befitting tribute to a dedicated colleague of the library and information science profession in India. From an Indian perspective, the papers discuss the areas of knowledge management, knowledge organization, library and information systems, services, and professionals in the digital and networked environment.
**Big Data Governance**

**An Emerging Imperative**

Sunil Soares

**Summary**

Written by a leading expert in the field, this guide focuses on the convergence of two major trends in information management—big data and information governance—by taking a strategic approach oriented around business cases and industry imperatives. With the advent of new technologies, enterprises are expanding and handling very large volumes of data; this book, nontechnical in nature and geared toward business audiences, encourages the practice of establishing appropriate governance over big data initiatives and addresses how to manage and govern big data, highlighting the relevant processes, procedures, and policies. It teaches readers to understand how big data fits within an overall information governance program; quantify the business value of big data; apply information governance concepts such as stewardship, metadata, and organization structures to big data; appreciate the wide-ranging business benefits for various industries and job functions; sell the value of big data governance to businesses; and establish step-by-step processes to implement big data governance.

**Contributor Bio**

**Sunil Soares** is the founder of Information Asset LLC, a consulting firm focused on helping clients build information governance programs, and a former director of information governance at IBM. He is the author of *The IBM Data Governance Unified Process* and *Selling Information Governance to the Business*. He lives in Harrington Park, New Jersey.

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**Customer Experience Analytics**

**The Key to Real-Time, Adaptive Customer Relationships**

Arvind Sathi

**Summary**

Through a series of case studies from a variety of industries to show how customer experience analytics (CEA) is reshaping business, this book explores the technologies available to help businesses create a competitive advantage and real-time relationship with customers. This book provides a program based in business values that appeal to senior management and a solution architecture that utilizes the fast, intelligent, and productive capabilities of CEA. Exploring the internet’s impact on consumer power, this book reflects on the sophistication of business markets in multisupplier management, electronic gateways, and customer and product data across the supply hierarchy.

**Contributor Bio**

**Dr. Arvind Sathi** is the global communication sector lead architect for the information agenda team at IBM. He received a PhD in Business Administration from Carnegie Mellon University. He lives in Englewood, Colorado.
Data Governance Tools
Evaluation Criteria, Big Data Governance, and Alignment with Enterprise Data Management
Sunil Soares

Summary
Comprehensively covers evaluation criteria for and capabilities of the software tools available for implementing a data governance program

Data governance programs often start off using programs such as Microsoft Excel and Microsoft SharePoint to document and share data governance artifacts. But these tools often lack critical functionality. Meanwhile, vendors have matured their data governance offerings to the extent that today's organizations need to consider tools as a critical component of their data governance programs. In this book, data governance expert Sunil Soares reviews the Enterprise Data Management (EDM) reference architecture and discusses key data governance tasks that can be automated by tools for business glossaries, metadata management, data profiling, data quality management, master data management, reference data management, and information policy management. Subsequent sections describe the integration points between EDM tools and data governance and examine how governance tools interact with big data technologies, including Hadoop, NoSQL, stream computing, and ...

Contributor Bio
Sunil Soares is the founder and managing partner of Information Asset, a consulting firm that specializes in data governance, and is a former director of information governance at IBM, where he worked with clients across six continents and multiple industries. He is the author of Big Data Governance, The IBM Data Governance Unified Process, IBM InfoSphere: A Platform for Big Data Governance and Process Data Governance, and Selling Information Governance to the Business. He lives in Harrington Park, New Jersey.

Dangerous Enthusiasms
E-government, Computer Failure and Information System Development
Robin Gauld, Shaun Goldfinch

Summary
Information and the technology that supports its collection, communication and analysis is a core concern of modern government, making e-government (meaning electronically enabled government) fundamental to the ongoing "reinvention" of public administration. But the quest for e-government opens up a range of issues - whether to take a "big bang" or an incremental approach to computerization, how to deal with security and privacy concerns, how to reconfigure the machinery of government to fit ICT practices - and decisions - hardware and software procurement, software architecture, access by whom to what. The spending of public money is always intriguing and perhaps money spent on ICT has been the most intriguing of all, with some spectacular failures costing millions. This book is written for a general audience and takes a critical look at policies, problems and prospects for e-government in a series of case studies. Why have ICT failures in the public sector occurred and what lessons do they provide for the future?

Contributor Bio
Robin Gauld is a senior lecturer in Health policy, Department of Preventive and Social Medicine, University of Otago. He is the author of Revolving Doors: New Zealand's Health Reforms, editor of Continuity and Chaos: Health Care Management and Delivery in New Zealand and co-author of The Hong Kong Health Sector: Development and Change. Shaun Goldfinch is Associate Professor of Public Administration at the School of Business and Management, American University of Sharja, and formerly a senior lecturer in Political Studies at the University of Otago. He is the author of Remaking New Zealand and Australian Economic Policy: Ideas, Institutions and Policy Communities.
**The Darkest Web**

**Drugs, Death and Destroyed Lives . . . the Inside Story of the Internet's Evil Twin**

**Eileen Ormsby**

**Summary**

A kingpin willing to murder to protect his dark web drug empire. A corrupt government official determined to avoid exposure. The death of a dark web drugs czar in mysterious circumstances in a Bangkok jail cell, just as the author arrives there. A death in Minnesota leads detectives into the world of dark web murder-for-hire where hundreds of thousands of dollars in Bitcoin is paid to arrange killings, beatings, and rapes. Meanwhile, the owner of the most successful hitman website in history is threatening the journalists who investigate his business with a visit from his operatives—and the author is at the top of his list. There's the world wide web—the internet we all know that connects us via news, email, forums, shopping, and social media. Then there's the dark web—the parallel internet accessed by only a select few. Eileen Ormsby has spent the past five years exploring every corner of the Dark Web. She has shopped on darknet markets, contributed to forums, waited in red rooms, and been threatened by hitmen on murder-for-hire sites. This book will take you into the murkiest depth...

**Contributor Bio**

**Eileen Ormsby** is a lawyer, author, and freelance journalist.

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**Developing Web 2.0 Applications with EGL for IBM i**

**Joe Pluta**

**Summary**

Targeting Web 2.0 IT professionals and developers, this important resource provides essential information on IBM's Enterprise Generation Language (EGL) and the exciting new EGL Rich UI for the IBM i platform. The first half explains how the EGL Rich UI takes advantage of the powerful EGL syntax to provide increased flexibility while designing complex interactive user interfaces from the ground up. This can allow for building Rich Internet Applications that take advantage of popular frameworks such as Dojo and services from Google, all integrated together with EGL Rich UI’s built-in widget library. Following is an exploration into harnessing IBM i, the new open and advanced business application server, through EGL's ability to make simple connections from rich clients to back end business services.

**Contributor Bio**

**Joe Pluta** is the founder and chief architect of Pluta Brothers Design, Inc. and has been writing about the IBM midrange since IBM System/3. He has written extensively on EGL as a blogger on IBM's EGL site, the EGL Cafe, and is the author of several books, including *E-Deployment: The Fastest Path to the Web*, *Eclipse: Step by Step*, and *WDSC: Step by Step*. He lives in Palatine, Illinois.
**Alternative DNS Servers**

*Choice and Deployment, and Optional SQL/LDAP Back-Ends*

Jan-Piet Mens

**Summary**

Providing a complete survey of DNS (Domain Name System) servers, this reference outlines the most suitable types of servers for varying scenarios. Addressing performance and security issues, this resource describes in detail the ideal scenarios for each server. Additional topics discussed include how DNS information can be stored in LDAP (Lightweight Directory Access Protocol) directories or SQL databases as well as how to construct robust DNS systems.

**Contributor Bio**

Jan-Piet Mens is an independent consultant specializing in internet technologies.

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**Big Data Analytics**

*Disruptive Technologies for Changing the Game*

Arvind Sathi

**Summary**

Bringing a practitioner’s view to big data analytics, this work examines the drivers behind big data, postulates a set of use cases, identifies sets of solution components, and recommends various implementation approaches. This work also addresses and thoroughly answers key questions on this emerging topic, including *What is big data and how is it being used? How can strategic plans for big data analytics be generated? and How does big data change analytics architecture?* The author, who has more than 20 years of experience in information management architecture and delivery, has drawn the material from a large breadth of workshops and interviews with business and information technology leaders, providing readers with the latest in evolutionary, revolutionary, and hybrid methodologies of moving forward to the brave new world of big data.

**Contributor Bio**

Dr. Arvind Sathi is the worldwide communication sector lead architect for the information agenda team at IBM. He received a PhD in Business Administration from Carnegie Mellon University and is the author of *Customer Experience Analytics*. He lives in Englewood, Colorado.
Computer Networking Breakthroughs You've Always Wanted
Russ Gundrum, Don McCarty

Since publishing his first book on the subject in 1982, the field of computer networking has exploded and Russ Gundrum, acknowledged authority on telecommunications-wireline protection problems, has followed up with Computer Networking Breakthroughs You've Always Wanted. Geared toward a new generation of engineers, managers, and technicians who might not have knowledge of the development and history of networks but could greatly benefit from the knowledge, he’s compiled everything he knows into one guide to designing, installing, and maintaining cost-effective, reliable and high-performance computer and telecommunication networks. With a comprehensive exploration of the local area networking (LAN) environment and the backhaul networks used to provide Wi-Fi and 5G wireless access, Computer Networking Breakthroughs You've Always Wanted contains the information needed most in this age of the Internet of Things—as well as the understanding that you don’t have to use fiber optic cables to achieve successful results! After reading this book, you will:

- Understand the issues affecting the performance a...

Summary
Since publishing his first book on the subject in 1982, the field of computer networking has exploded and Russ Gundrum, acknowledged authority on telecommunications-wireline protection problems, has followed up with Computer Networking Breakthroughs You've Always Wanted. Geared toward a new generation of engineers, managers, and technicians who might not have knowledge of the development and history of networks but could greatly benefit from the knowledge, he’s compiled everything he knows into one guide to designing, installing, and maintaining cost-effective, reliable and high-performance computer and telecommunication networks. With a comprehensive exploration of the local area networking (LAN) environment and the backhaul networks used to provide Wi-Fi and 5G wireless access, Computer Networking Breakthroughs You've Always Wanted contains the information needed most in this age of the Internet of Things—as well as the understanding that you don’t have to use fiber optic cables to achieve successful results! After reading this book, you will:

Contributor Bio
Russ Gundrum has been focused on telecom and computer networking reliability problems, their analysis, and solutions since graduating from college in 1972. His first book on the subject, published in 1982, was titled Power Line Interference: Problems & Solutions. He has also written numerous trade magazine articles on the subject since 1980. He has an MBA in telecommunications from the University of Dallas and since 2002 has been an adjunct professor at the University of Houston, where he instructs graduate and undergraduate students in computer networking subjects. He’s been the principal consultant at Telecom Problem Solvers, LLC since January 2014 after retiring from AT&T. He is a Life Senior Member of the IEEE, member of SCTE, and a member of BICSI.

Developing Web Services for Web Applications
A Guided Tour for Rational Application Developer and WebSphere Application Server
Colette Burrus, Stephanie Parkin

Summary
This book shows you how easy it is to create and use Web Services with IBM® Rational Application Developer or Web Developer, and WebSphere Application Server.

Intended for novice to intermediate Java programmers, Developing Web Services for Web Applications teaches users how to create Web Services, deploy Web Services to a server, and create client applications that use Web Services. Each chapter of the book teaches a key Web Service concept and takes you on a detailed, guided tour for creating or using a particular Web Service. Even if you’re completely new to Web Services, by the time you finish the lessons in this book, you’ll have all the skills needed to create useful Java programs with Web Services.

Using the “guided tour” approach, the book comes with practical step-by-step instructions and numerous screen captures, making it easy to follow along. While most books teach how to use either a development tool or a particular technology, Developing Web Services for Web Applications combines learning about Web Services with using Rational Developer tools. Each chapter develops a comp...

Contributor Bio
Colette Burrus was a project manager for the IBM alphaBeans project working with the Beans Around the World team. She is the coauthor of Building Applications with IBM WebSphere Studio and JavaBeans and VisualAge for Java for Non-Programmers. She lives in Apex, North Carolina. Stephanie Parkin is content manager for IBM’s VisualAge Developer Domain (VADD) and WebSphere Developer Domain web sites. She has created documentation for various programming languages, including VisualAge for Basic. She is the former editor in chief of WebSphere Developer Technical Journal and the author of two tutorial series on the VADD web site: Designing Beans for Visual Programming and Visual Programming with VAJ. She lives in Lexington, Kentucky.
The AS/400 Programmer's Handbook, Volume II
More Toolbox Examples for Every AS/400 Programmer
Mark McCall

Arm Assembly for Embedded Applications, 4th Edition
Daniel Lewis

ARM Assembly for Embedded Applications is a text for a sophomore-level course in computer science, computer engineering, or electrical engineering that teaches students how to write functions in ARM assembly called by a C program. The C/Assembly interface (i.e., function call, parameter passing, return...
Building Applications with IBM Rational Application Developer and JavaBeans (2nd Edition)
Colette Burrus, Stephanie Parkin

Summary
Designed for programmers with limited Java experience, this informative guidebook shows how applications, applets, and servlets can be created with ease using IBM’s Rational Application Developer paired with JavaBeans. Step-by-step guidelines accompanied by screen captures and code samples demonstrate how to build JavaServer Faces Web applications, as well as Java applications complete with graphical user interfaces. Instruction is also provided on using Rational Application Developer’s debugger, incorporating relational databases with Java, and adding Asynchronous JavaScript and XML behavior to applications in order to produce more interactive and usable web pages. Exercises at the end of each chapter ensure that even novice Java programmers will learn how to combine reusable components to get applications up and running quickly.

Contributor Bio
Colette Burrus worked at IBM for more than 20 years in a variety of programming and project management positions. Stephanie Parkin is a Senior Software Developer at IBM. They are the coauthors of Building Applications with IBM WebSphere Studio and JavaBeans, Developing Web Services for Web Applications, and VisualAge for Java for Non-Programmers. Colette Burrus lives in Apex, North Carolina. Stephanie Parkin lives in Lexington, Kentucky.

Complete CL
Sixth Edition
Ted Holt

Summary
The IBM i Control Language, or CL, is the human interface to one of the most successful computing platforms ever. Mastery of this language is necessary to get the greatest benefit from the IBM i server. This book helps programmers and system administrators using IBM i get the most out of the platform by writing useful CL programs. This new edition has been updated for IBM i 7.3 and includes new built-in functions, new data types, and new support for SQL. Upon completion of the book, readers will be able to write and compile robust, production-grade programs in the IBM i Control Language, guided by a CL expert.

Contributor Bio
Ted Holt holds a Master of Science degree in computer science from the University of Southern Mississippi and has taught at universities, community colleges, and vocational-technical schools. He has written numerous articles and technical tips for print and online publications, and is the author or coauthor of eight books, among them Complete CL, Power CL, and Qshell for iSeries.
Control Language Programming for IBM i
Jim Buck, Bryan Meyers, Dan Riehl

Summary
Covering the basics of Control Language (CL) programming as well as the latest CL features—including new structured-programming capabilities, file-processing enhancements, and the Integrated Language Environment—this resource is geared towards students learning CL. The book guides readers towards a professional grasp of CL techniques, introducing complex processes and concepts through review questions, hands-on exercises, and programming assignments that reinforce each chapter's contents. In addition to 25 chapters that cover CL from start to finish, a comprehensive appendix with condensed references to the most commonly used CL commands is also included along with two additional appendixes that cover the essentials of programming tools and debugging.

Contributor Bio
Jim Buck is a programmer with more than 25 years of experience, an analyst instructor at Gateway Technical College, and the president of the Wisconsin Midrange Computer Professional Association. He is the coauthor of Mastering IBM i and the recipient of the 2007 IBM System i Innovation-Education Excellence Award. He lives in Kenosha, Wisconsin. Bryan Meyers is the author of numerous books, including Desktop Guide to CL Programming, RPG IV Jump Start, and VisualAge for RPG. He lives in Billings, Montana. Dan Riehl is the president of the 400 School and the IT Security and Compliance Group, LLC. He is a writer and technical editor for System iNEWS and the author of Control Language Programming for the AS/400. He lives in Chesterfield, Missouri.

Advanced Guide to PHP on IBM i
Kevin Schroeder

Summary
Working through many of the concepts and skills needed by intermediate and advanced PHP developers, this book is specifically designed to help good PHP developers become indispensable ones. Topics include debugging, test-driven development, web-based development, advanced object-oriented programming, and web security, and the book also takes an in-depth look at the new PHP Toolkit for IBM i provided by Zend Technologies. Upon completion of this book, readers will be able to use its principles as a basis for architecting complex applications, building web services according to the best standards currently available, significantly reducing the time spent discovering and fixing errors in code, designing architectures that are testable and predictable, building secure applications by protecting against most known attacks, and avoiding and preparing for common performance issues.

Contributor Bio
Kevin Schroeder is the technical manager for education and consulting for MagentoU and a former technical consultant for Zend Technologies. He is the author of You Want to Do What with PHP? and the coauthor of The IBM i Programmer’s Guide to PHP. He lives in Frisco, Texas.
Python for non-Pythonians
How to Win Over Programming Languages
Francesco Grossetti, Gaia Rubera

Summary
The book uses a very simple and accessible language. All the descriptions of Python functionalities come with intuitive examples to make you learn by doing. This is not a theoretical book and does not cover some of the most internal features of Python. The intention of the authors is to allow business-oriented people to start using Python. The main reason for such a choice of style is due to the increasing number of requests by non-technical professionals to solve daily problems and tasks. Whether the reader wants to append multiple spreadsheets or profile their customer base, being able to use a solid infrastructure which can collect, check, process, analyze data, and report results has become a basic requirement in most industries. The book first introduces the building blocks of Python which can be compared to the different types of words of a language. It introduces readers to the syntax rules of Python—statements, functions, and classes. It then introduces how to use this new language for managing data.

As making mistakes is common in programming, learning how to interpret the er...

Contributor Bio
Francesco Grossetti is Assistant Professor at Accounting Department at Bocconi University. Gaia Rubera is Full Professor of Marketing at Bocconi University where she is the director of the MSc in Data Science and Business Analytics. She has received the following recognition: NVIDIA GPU Grant 2017, and the 2017 Emerald Citations of Excellence Award.

QuickStart Guide to Db2 Development with Python
Roger E. Sanders

Summary
This book brings Python, SQL, and Db2 application development together as never before, to show how these three technologies can successfully be used with each other. By reading this book, you will receive:

- An introduction to Db2
- An overview of SQL and how it is used
- An introduction to Python and the Python libraries/drivers available for Db2 application development
- A step-by-step guide for setting up a Python-Db2 development environment (on RedHat or Ubuntu Linux)
- In-depth information on how to structure and build Python applications that interact with Db2 (along with the link to a GitHub site that contains over 70 sample programs and 60 Jupyter Notebooks)

Whether you're a Python developer who wants to build applications that work with Db2, or you're a Db2 user who wants to know how to build Python applications that interact with Db2 servers and databases, you'll find this book a must-read.

Contributor Bio
ROGER E. SANDERS is a Field Enablement Professional focused on Machine Learning on IBM Z Systems at IBM. He has worked with Db2 since it was first introduced and is the author of 25 books on relational database technology (six focused on application development), and many articles and tutorials on database topics. He lives in Fuquay Varina, North Carolina.
21st Century RPG: /Free, ILE, and MVC
David Shirey

Summary
This guide teaches programmers who have been left behind in the IBM i’s evolution to code more productively and modernize their business applications. Shirey uses a casual, humorous teaching style to explain the concepts, along with plenty of code examples. Readers will gain confidence in areas that may be new to them and use the provided examples to practice what they’ve learned. The manual is structured so that whether they are using the latest IBM i technology or an older version, readers will learn methods to improve coding and applications, as well as become comfortable with writing programs using ILE RPG, free-format RPG, and Model-View-Controller (MVC).

Contributor Bio
David Shirey is president of Shirey Consulting Services, providing technical and business consulting services for the IBM i world. He is also a contributing author at MC Press Online.

Advanced Integrated RPG
Thomas Snyder

Summary
Written for experienced RPG programmers who want to take advantage of the latest technologies—such as Excel spreadsheets, Adobe files, and e-mail—from within their existing applications without buying costly software, this manual illustrates how to integrate RPG and Java in easy-to-understand code and with cost-effective options. Currently, there exists a very distinct line of expertise between IBM I programmers and Windows and Internet programmers, and this reference breaks through those obstacles to show common development tools for sharing information and building more compatible interfaces. Filling a very crucial gap, this resource shows programmers how to automatically e-mail reports using RPG and JavaMail, how to embed SQL and create text and XML files from within RPG, and how to migrate existing green-bar reports to Excel spreadsheets. An essential reference, this guide covers hard-to-find yet crucial information and introduces RPG programmers to modern environments.

Contributor Bio
Thomas Snyder is a computer programmer and analyst who has been developing RPG applications for more than a decade, working to modernize them as well as to integrate them with other technologies, such as Java and QShell. He is a Sun-certified Java programmer and formerly worked at Intel as a hardware engineer. He lives in Scranton, Pennsylvania.
CNC Milling in the Workshop
Marcus Bowman

Summary
A practical approach to using the CNC mill, aimed at everyone with a workshop, particularly modelmakers and horologists

CNC (computer numerical control) milling machines are now available to even the smallest of workshops, allowing designers to be more ambitious and machinists to be more confident of the production of parts, greatly increasing the potential of milling at home. This accessible guide takes a practical approach to software and techniques, and explains how you can make full use of your CNC mill to produce ambitious works of a high standard. It offers authoritative advice on programming and operating a CNC mill and a guide to the major CAD/CAM/CNC software such as Mach3, LuxCNC, and Vectric packages, without being restricted to any particular make of machine; as well as practical projects and examples of a wide range of finished work.

Contributor Bio
Dr. Marcus Bowman has been machining metal for 40 years, and programming since 1970. A lifelong maker of models, clocks, and tools, he enjoys the synthesis of machining technique and programming involved in applying CNC in the workshop, and uses CAD, CAM, and CNC software to extend the boundaries of what can be achieved.

Paul Lambert

Summary
Are you ready if a client wishes to make a data protection claim, or needs to defend one? A User’s Guide to Data Protection: Law and Policy, Third Edition sets out all the compliance issues that organisations need to be aware of to successfully comply with the UK data protection rules and regulations, along with a full assessment of the EU Data Protection Regulations and their impact on UK practice. This work is a first port of call, providing clear guidance through the complex web of data protection issues and regulation in relation both to internal issues affecting employees, agents and contractors as well as external issues concerning customers, prospective customers and users across all data interface. The Third Edition includes analysis of all new cases and in-depth coverage of: - The new UK Data Protection Act 2018 - The repeal of the Data Protection Act 1998 (subject to transitional arrangements) - The General Data Protection Regulations - The latest information on Commissioner Office investigations, reports, guidance and proceedings - Brexit and data protection issues includin...

Contributor Bio
Dr Paul Lambert, BA LLB LLM, Lecturer, Solicitor, CTMA, PhD, Consultant, has been publishing articles in legal and business journals on topics such as data protection, social media, defamation, internet legal issues, intellectual property and courtroom broadcasting for many years, including the European Intellectual Property Review. He has published books in the US and Europe and spoken and written, and been interviewed, on these issues in the US, Europe and Asia.
COMBAT READY IT AND PIE

CYBER SECURITY FOR SMALL MEDIUM BUSINESS AND PERPETUAL IMPROVEMENT EVERYWHERE

PAUL B. DOVE

Summary
Like the Industrial Revolution and the Information Technology Age, this year we started a new Wave headlined as the Golden Wave of the SMB - (the age of the Artisan). Enterprises have already commenced reducing their workforces. Craftflows will be handed off to artisans, specialists, and in particular SMBs. Robotics and automation technology join and the accepted notion of the FTE will disappear. The way we work today will start to change, no job will be safe or long term. Millennials may never work in the way we perceive work now. The age of the four-man company is here: the Boss, the IT guy, the Specialist, and the Robot. Leisure time will increase and a return to cottage industry and artisans will rise. De-urbanisation will be ignited by the Rich/Poor divide gap widens where only the wealthy can afford city housing and prices. Everyone will rely on the Internet. The Internet cannot cope with this in its current design. Cyber security may degrade the Internet so badly to be unworkable. This book sets out a new way for SMBs to prepare for the change and start innovating. Cyber ...

Contributor Bio
My experience has been grounded in Management Consultancy, IT Operations and Security for thirty plus years. As an engineer, at the age of 22 I developed the Message Waiting Lamp on telephones. I have held various CIO and CTO positions from the age of 24! I have had two strikes at pioneering and still enjoy the cutting edge of technology and still retained as an advisor to several start-ups and enterprise boards. Clients believe my five strengths are: humour, honesty, technical leadership, communicating and strategy. They also say I have uncanny super caster abilities. I travel a great deal and have held operations, project management and process consultant roles in several companies and tenures in forty-four countries. I have spoken at numerous conferences and also educate graduates as a visiting lecturer. I have been engaged by Banks and Venture Capitalists, Credit Card Providers, Military, Government, Telecoms, Cloud Service Providers, Mobile and Technology sectors. My Architecture skills were honed by designing forty-two global reach Internet and VOIP networks. I have project man...

CyberSafe

Protecting and Empowering Kids in the Digital World of Texting, Gaming, and Social Media

Gwenn Schurgin O'Keeffe

Summary
From helping children deal with cyberbullying to identifying control systems for monitoring their online activities, this guide steers parents through the often-intimidating digital landscape where young children can be plugged in 24/7. In addition to informing about the latest trends in technology—social-networking sites such as Facebook, gaming systems, mp3 players, and cell phones—this handbook empowers parents to embrace the new innovations and help children get the most out of technology in a safe, well-informed manner. Suggestions for setting boundaries by age group, a cyber dictionary, sample family internet-safety pledges, and listings of additional resources are also included.

Contributor Bio
Gwenn Schurgin O'Keeffe, MD, FAAP, is a practicing pediatrician, health journalist, and CEO of Pediatrics Now, an online health and communications company. Through www.pediatricsnow.com and the nationally syndicated blog www.drgwennisin.com, she addresses issues ranging from general health to those concerning the intersection of health care and social media. She is a fellow and national spokeswoman of the American Academy of Pediatrics (AAP) and an executive committee member of the AAP’s Council of Communications and Media and was the lead author of the council’s social media and sexting tips. She lives in Boston.

Ebooks
CyberSafe - E-Book - 10/1/2010 $11.95 9781581105629
BYTE-ing Satire
A Light-Hearted Poke in Technology's Eye
Joel Klebanoff

Summary
Skewering a vast array of technology topics that apply to IT professionals and laypeople alike, this compilation of MC Press' popular MC TNT Tips 'n Tirades online column follows the author as he searches for the answer to that eternal question: Is technology more hindrance than help? Wry critiques of the pitfalls of eBay, the dangers of online surgical advice, the value of pet cloning technology, the trouble with jargon junkies, and cell phone etiquette are doled out masterfully. For those who work with, own, appreciate, or hate all that modern science has to offer, this collection of keen insights and clever musings on the often hilarious interaction between technology and human beings offers an entertaining and delightful look at the frustrations and laughs that are a part of techie culture.

- On Spam: "When telemarketing calls, spam, and regular junk mail fully clog all other forms of communication, the only remaining option will be to accept visitors to my home office, and I really don't want to have to clean up my place."

- On Merging TVs and Computers: "I have never spent a mome...

Contributor Bio
Joel Klebanoff has more than 25 years experience in programming, marketing, reviewing, and using information technologies. He is the president of Klebanoff Associates, a company that provides marketing communication services to computer hardware, software, and services vendors, and is the author of the weekly Web column MC TNT Tips 'n Tirades. He lives in Toronto, Ontario.

E-Democracy in Switzerland
Practice and Perspectives
Urs Gasser, James M. Thurman, Richard Stüber...

Summary
Electronic democracy is a relatively new subject of study. However, with the globalization of Internet use, the deployment of information and communication technology to improve democracy has rapidly gained worldwide attention. The authors of this book explore the practice of e-democracy in Switzerland, using three examples that roughly map three stages of the democratic process: 1) the pre-voting stage of Smartvote, a candidate-voter matching system; 2) the voting stage itself on the implementation of electronic voting (e-voting); and 3) the post-voting phase on the use of blogs by Moritz Leuenberger and Christoph Blocher, a current and a former member of the Swiss government, respectively. The authors describe and assess the implications of these uses of the Internet on democratic processes in Switzerland. They conclude that developing the tools discussed would hold opportunities for Swiss democracy, as they contribute to central principles of the democratic process, namely voter participation and citizen awareness. This report is a contribution by the Research Center for Informat...
The Business Value of Agile Software Methods
Maximizing ROI with Just-in-Time Processes and Documentation
David Rico, Hasan Sayani, Saya Sone

Summary
Whether to continue using traditional cost and benefit analysis methods such as systems and software engineering standards or to use a relatively new family of software development processes known as Agile methods is one of most prevalent questions within the information technology field today. Since each family of methods has its strengths and weaknesses, the question being raised by a growing number of executives and practitioners is: Which family of methods provides the greater business value and return on investment (ROI)? Whereas traditional methods have been in use for many decades, Agile methods are still a new phenomenon and, until now, very little literature has existed on how to quantify the business value of Agile methods in economic terms, such as ROI and net present value (NPV). Using cost of quality, total cost of ownership, and total life cycle cost parameters, The Business Value of Agile Software Methods offers a comprehensive methodology and introduces the industry's initial top-down parametric models for quantifying the costs and benefits of using Agile methods to cr...

Contributor Bio
Dr. David F. Rico, PMP, CSM, has been a technical leader in support of NASA, DARPA, DISA, SPAWAR, USAF, AFMC, NAVAIR, CECOM, and MICOM for over 25 years. He has led, managed, or participated in over 20 organization change initiatives using Agile methods, Lean Six Sigma, ISO 9001, CMMI, SW-CMM, Enterprise Architecture, Baldrige, and DoD 5000. Dr. Rico specializes in IT investment analysis, IT project management, and IT-enabled change. He has been an international keynote speaker, published numerous articles, and written or contributed to six textbooks. David holds a B.S. in Computer Science, an M.S. in Software Engineering, and a D.M. in Information Systems. Dr. Hasan H. Sayani has been in industry and academia for over 40 years. His interests are in information systems, information systems development, life cycle methods and tools, and semantic database management systems. Dr. Sayani has taught at the University of Maryland College Park in the Information Systems Management program. He co-founded a firm which built systems for various commercial and governmental organizations. Dr. Sa...

Advanced Java EE Development for Rational Application Developer 7.5
(2nd Edition)
Developers' Guidebook
Robert McChesney, Kameron Cole, Richard Raszka

Summary
Written by IBM senior field engineers and senior product development experts, this advanced book provides a solid look at the development of a range of core Java EE technologies, as well as an in-depth description of the development facilities provided by IBM Rational Application Developer version 7.5. Since the Java EE developmental platform incorporates a wide range of technologies from disparate and myriad sources, this up-to-date guidebook helps developers triumph over the complexity and depth of knowledge required to build successful architectures. Senior developers, engineers, and architects—especially those who work with Rational Application Developer and those seeking certification at the Sun-certified Java master-tier level or the IBM Rational Application Developer certified professional and certified advanced professional levels—will appreciate this convenient, single reference point.

Contributor Bio
Robert McChesney is an advisory software engineer in the Application Integration and Middleware division of IBM Software Group. He is an IBM certified application developer and an advanced application developer—Rational Application Developer Version 7. He lives in Austin, Texas. Kameron Cole is a complex solutions architect in IBM Text Analytics Group with Enterprise Content Management Emerging Solutions. He is an IBM certified systems expert for WebSphere administration and a Sun-certified Java EE developer. He lives in Miami Beach, Florida. Richard Raszka is an integration/application architect in the Australia/New Zealand Global Business Services Architecture Practice in IBM Global Business Services Australia. He is a master certified IT specialist with the Open Group and a certified IT specialist in IBM.
Developing Business Applications for the Web
With HTML, CSS, JSP, PHP, ASP.NET, and JavaScript
Christian Hur, Laura Ubelhor

Summary
This book focuses on using common Web tools to develop business applications. Professional business programmers who are new to Web development will quickly acquire the relevant information they need, starting with HTML and CSS. The book goes beyond simple HTML and introduces other common Web technologies, including Java Server Pages (JSP), PHP, ASP.NET, and JavaScript. The book shows how those technologies interact with HTML and how developers can use them to develop and deploy business applications that users access via the Web. This book is written by business programmers and educators for business programmers. It is not just an introduction to HTML, but an introduction to the most common tools any business programmer needs to develop browser-based applications. Upon completion of the book, a business developer or student will have learned to develop and implement a completed browser-based business application.

Contributor Bio
Christian Hur is an IT-Web Instructor at Gateway Technical College in Racine, Wisconsin. He teaches a variety of online, traditional, and distance learning courses including web programming, HTML5 and CSS3, JavaScript, Visual Basic 2012, networking, and mobile programming with Android. He also co-founded two companies: Bluebell Company, Inc. (a multimedia and e-commerce business in Los Angeles) and Mydia Entertainment Group, LLC, (with his wife in 2012). Christian’s career in Web development spans more than 20 years. In 1994, he created his first website with HTML and published it on the Web. Since then he has developed many websites and Web-based applications using a variety of Web development tools. He has also managed numerous dedicated Web servers and maintained many websites using a variety of content management systems, including Joomla, Drupal, and WordPress. During his five years as Senior Web Developer at Gannett Wisconsin Media (2009-2014), Christian managed 10 major Wisconsin newspaper websites and maintained and developed more than a dozen niche sites. Christian received ...

Digital Life Skills for Youth
A Guide for Parents, Guardians, and Educators
Angela Crocker

Summary
In this digital age, how do we protect kids on the internet? Dangers lie on social media, and there is an increasing risk of cyberbullying, addiction, and loss of personal connection and community. This book teaches skills for living online and with technology—digital life skills for parents and educators to use to help kids. Topics include: document management, malware, cyberbullying resistance, digital etiquette, gaming and addiction, and more. This book identifies current problems and offers real-world solutions from an author trained in education technology. Crocker writes with authority about the realities for teachers in the classroom, the technology demands of curriculum, the conflicts with parents’ expectations, and the aspects of technology that do good!

Contributor Bio
Angela Crocker has been described as a pioneer of ethical social media, a business-savvy digital goddess, and an information organizing superhero. A thought leader on digital life skills, she works as an author, speaker, and instructor to help individuals and businesses navigate the issues, challenges, and joys of living a digital life. She holds a Master of Education degree from Simon Fraser University with a focus on education technology and learning design. She is also a faculty member at British Columbia Institute of Technology in Vancouver. Digital Life Skills for Youth is her sixth book.
**Attack of the Flickering Skeletons**

*More Terrible Old Games You've Probably Never Heard Of*

Stuart Ashen

**Summary**

YouTube sensation Stuart Ashen is back with his second installment of terrible old computer games you've probably never heard of, because what the world needs right now is to know exactly how bad *Domain of the Undead* for the Atari 8-bit computers was. Even bigger than the original *Terrible Old Games You've Probably Never Heard Of*, this second excavation of gaming's buried past will not only unearth more appalling excuses for digital entertainment, but also feature guest contributors and several special interest chapters not based around single specific games. These are NOT the games you've heard of a million times in YouTube videos. This is a compilation of truly obscure and dreadful games. Dripping with wry humor and featuring the best, worst graphics from the games themselves, this book encapsulates the atrocities produced in the days of tight budgets and low quality controls. These are even more appalling games that leaked from the industry's tear ducts, taken down from the dusty shelves of history by the man who has somehow made a living by sticking rubbish on a sofa and talking ...

**Contributor Bio**

**Stuart Ashen** makes videos for YouTube and writes comedy scripts and sometimes acts in things. On his YouTube channel he reviews the best of the worst junk that the world has to offer. His first book was *Terrible Old Games You've Probably Never Heard Of*.

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**Colossus**

*Bletchley Park's Greatest Secret*

Paul Gannon

**Summary**

In 1940, almost a year after the outbreak of World War II, Allied radio operators at an interception station in South London began picking up messages in a strange new code. Using science, math, innovation, and improvisation, Bletchley Park code breakers worked furiously to invent a machine to decipher what turned out to be the secrets of Nazi high command. It was called Colossus. What these code breakers didn't realize was that they had fashioned the world's first true computer. When the war ended, this incredible invention was dismantled and hidden away for almost 50 years. Paul Gannon has pieced together the tremendous story of what is now recognized as the greatest secret of Bletchley Park.

**Contributor Bio**

**Paul Gannon** writes on all aspects of information and communications technology.
Cyber Security: Law and Guidance

Helen Wong MBE

Summary

Implementing appropriate security measures will be an advantage when protecting organisations from regulatory action and litigation in cyber security law: can you provide a defensive shield? Cyber Security: Law and Guidance provides an overview of legal developments in cyber security and data protection in the European Union and the United Kingdom, focusing on the key cyber security laws and related legal instruments, including those for data protection and payment services. Additional context is provided through insight into how the law is developed outside the regulatory frameworks, referencing the 'Consensus of Professional Opinion' on cyber security, case law and the role of professional and industry standards for security. With cyber security law destined to become heavily contentious, upholding a robust security framework will become an advantage and organisations will require expert assistance to operationalise matters. Practical in approach, this comprehensive text will be invaluable for legal practitioners and organisations. It covers both the law and its practical applicatio...

Contributor Bio

General Editor Helen Wong, MBE is a corporate commercial lawyer with Clarke Willmott Solicitors and works with their IP team who are specialists in cyber security and IP law. Previously Helen was with Clifford Chance (London and Hong Kong), PricewaterhouseCoopers and Walkers in the Cayman Islands. Helen frequently speaks and writes about topical legal issues including Brexit, cybersecurity and China. She is also the author of the book, Doing Business After Brexit: A Practical Guide to the Legal Changes (Bloomsbury Professional, August 2017). She is also a recipient of Her Majesty’s Member of the British Empire (MBE).

Government Internet Censorship Measures and International Law

I-Ching Cheng

Summary

Internet governance is a simple term without a simple definition. In the name of Internet sovereignty, nations have begun to implement various regulations to control the flow of information within or across their virtual territorial boundaries. The unique interconnected and multilateral characteristics of the Internet renders it impossible for one nation alone to provide adequate solutions to managing the Internet. The author argues that many of the issues related to Internet governance should be allocated to international institutions and a nation’s sovereign power over the Internet should be bounded by its commitments and responsibilities under international law. In the absence of a coherent regulatory framework, this book examines whether the existing international legal systems are sufficiently generic to accommodate the challenges brought about by technological developments.

Contributor Bio

I-Ching Chen is a lawyer and researcher of public international law and international trade law with law degrees from Taiwan, the United States, and Germany.
Blogging & Tweeting Without Getting Sued
A Global Guide to the Law for Anyone Writing Online
Mark Pearson

Summary
A blog or tweet can get its author arrested or cost a lot of money in legal battles—this practical guide explains how to stay out of trouble when writing online

Every time an internet user blogs or tweets, they may be subject to the laws of more than 200 jurisdictions. As more than a few bloggers or tweeters have discovered, you can be sued in your own country, or arrested in a foreign airport as you’re heading off on vacation—just for writing something that wouldn’t raise an eyebrow if you said it in a bar or a cafe. In this handy guide, media law expert Mark Pearson explains how to get your message across without landing in legal trouble. In straightforward language, he explains what everyone writing online needs to know about free speech, reputation and defamation, privacy, official secrets and national security, copyright, and false advertising. Whether you host a celebrity Facebook page, tweet about a hobby, or like to think of yourself as a citizen journalist, you need this guide to keep on the right side of cyberlaw.

Contributor Bio
Mark Pearson is a journalist, a professor of journalism, and the coauthor of The Journalist's Guide to Media Law. He is a correspondent for Reporters Without Borders and has been published in the Far Eastern Economic Review and the Wall Street Journal. He blogs from journlaw.com, tweets from @journlaw, and his Facebook page is "Journ Law."

Data Protection and Privacy
The Age of Intelligent Machines
Ronald Leenes, Rosamunde van Brakel, Serge Gutwirth...

Summary
The subjects of Privacy and Data Protection are more relevant than ever with the European General Data Protection Regulation (GDPR) becoming enforceable in May 2018. This volume brings together papers that offer conceptual analyses, highlight issues, propose solutions, and discuss practices regarding privacy and data protection. It is one of the results of the tenth annual International Conference on Computers, Privacy and Data Protection, CPDP 2017, held in Brussels in January 2017. The book explores Directive 95/46/EU and the GDPR moving from a market framing to a ‘treaty-base games frame’, the GDPR requirements regarding machine learning, the need for transparency in automated decision-making systems to warrant against wrong decisions and protect privacy, the riskrevolution in EU data protection law, data security challenges of Industry 4.0, (new) types of data introduced in the GDPR, privacy design implications of conversational agents, and reasonable expectations of data protection in Intelligent Orthoses. This interdisciplinary book was written while the implications of the Genera...
Behold a Pale Farce
Cyberwar, Threat Inflation, & the Malware Industrial Complex
Bill Blunden, Violet Cheung

Summary
This book presents a data-driven message that exposes the cyberwar media campaign being directed by the Pentagon and its patronage networks. By demonstrating that the American public is being coerced by a threat that has been blown out of proportion—much like the run-up to the Gulf War or the global war on terror—this book discusses how the notion of cyberwar instills a crisis mentality that discourages formal risk assessment, making the public anxious and hence susceptible to ill-conceived solutions. With content that challenges conventional notions regarding cyber security, Behold a Pale Farce covers topics—including cybercrime; modern espionage; mass-surveillance systems; and the threats facing infrastructure targets such as the Federal Reserve, the stock exchange, and telecommunications—in a way that provides objective analysis rather than advocacy. This book is a must-read for anyone concerned with the recent emergence of Orwellian tools of mass interception that have developed under the guise of national security.

Contributor Bio
Bill Blunden is an independent investigator whose current areas of inquiry include information security, antiforensics, and institutional analysis. He is the author of several books, including Offshoring IT: The Good, the Bad, and the Ugly and The Rootkit Arsenal. Violet Cheung is a professor of psychology at the University of San Francisco. Her research addresses self-control, aggression, and war. They both live in San Francisco.

Digital Divas
Putting the Wow into Computing for Girls
Julie Fisher, Catherine Lang, Annemieke Craig, Hel...

Summary
There is ample literature detailing the general lack of interest that girls show in computing, particularly in their later teen years, along with the subsequent decline in the number of women who enter the information technology (IT) workforce. In 2007, to address this problem, a new and revolutionary program was designed by Australian researchers to excite girls' interest in IT. The program was called 'Digital Divas' and it was unique because it ran in schools as part of the school curriculum. The underlying philosophy of 'Digital Divas' was to provide educationally sound materials that tapped into the interest of girls, delivered in all-girl classes within the school curriculum so as to change girls' perceptions of IT careers. The pilot program was a success and this led to the design of a larger project, the outcomes of which are the subject of this book. A significant amount of pre- and post- qualitative and quantitative data was collected from both teachers and students. A number of focus groups were conducted, one or two years after the girls had undertaken 'Digital Divas'. As ...
A Beginner's Guide to 3D Printing
14 Simple Toy Designs to Get You Started
Mike Rigsby

Summary
3D printers have revolutionized the worlds of manufacturing, design, and art. But how does a person with little or no computer design experience create an object to print? The best way to learn is through hands-on experience. Professional engineer Mike Rigsby leads readers step-by-step through fourteen simple toy projects, each illustrated with screen caps of Autodesk 123D Design, the most common free 3D software available. The projects are later described using Sketchup, another free popular software package.

The toy projects in A Beginner’s Guide to 3D Printing start simple—a domino, nothing more than an extruded rectangle, a rectangular block. But soon you will be creating jewel boxes with lids, a baking powder submarine, interchangeable panels for a design-it-yourself miniature house, a simple train with expandable track, a multipiece airplane, a working paddleboat, and a rubber band–powered car. Finally, you will design, print, and assemble a Little Clicker, a noise making push toy with froggy eyes. Once trained in the basics, you will be able to embark on even more elaborate des...

Contributor Bio
Mike Rigsby is a professional electrical engineer and author of Haywired and Doable Renewables. He has written for Popular Science, Robotics Age, Modern Electronics, Circuit Cellar, Byte, and other magazines.