

## Member Benefit Guide 2014 Libcare

This volume constitutes the thoroughly refereed post-conference proceedings of the 8th International Conference on Verified Software: Theories, Tools and Experiments, VSTTE 2016, held in July 2016 in Toronto, ON, Canada. The 8 full papers together with 4 short papers and 5 invited papers presented were carefully revised and selected 21 submissions. The goal of the VSTTE conference is to advance the state of the art through the interaction of theory development, tool evolution, and experimental validation.

Games foxes play - Planning for extraordinary times extends the model into the game of business and shows how one needs to understand the game and how it is changing before identifying the correct tactics to win. The authors show how highly imaginative and participative strategic conversations can focus a business on the true meaning of winning in extraordinary times.

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 12 new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Fourth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-deploy testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. Build and launch spoofing exploits with Ettercap and Evilgrade Induce error conditions and crash software using fuzzers Hack Cisco routers, switches, and network hardware Use advanced reverse engineering to exploit Windows and Linux software Bypass Windows Access Control and memory protection schemes Scan for flaws in Web applications using Fiddler and the x5 plugin Learn the use-after-free technique used in recent zero days Bypass Web authentication via MySQL type conversion and MD5 injection attacks Inject your shellcode into a browser's memory using the latest Heap Spray techniques Hijack Web browsers with Metasploit and the BeEF Injection Framework Neutralize ransomware before it takes control of your desktop Dissect Android malware with JEB and DAD decompilers Find one-day vulnerabilities with binary diffing

"Few issues have perplexed scholars and practitioners of Latin American politics like the rise of leftwing populism. In this book Kramarz and Kingsbury provide a compelling account of how and why fossil fuels have come to dominate nationalist priorities and political possibilities in Ecuador and Venezuela. Essential reading for anyone interested in Latin American politics and development." --Craig Johnson, Professor and Director, Guelph Institute of Development Studies, University of Guelph, Canada "This book conjoins a theoretical discussion about the intimate and reinforcing relationship between extractivism and populism with a novel description of how these themes have affected Ecuador and Venezuela. It is an engaging book and very useful contribution." --Scott Morgenstern, Professor of Political Science and Director of Pitt's Center for Latin American Studies, University of Pittsburgh, USA This book addresses the intersection of extractivism, populism, and accountability. Although populist politics are often portrayed as a driver of poor environmental governance, Populist Moments and Extractivist States identifies it as an intervening variable at best - one that emerges in response to the accountability deficits of extractive states. Case studies in Venezuela - for many, the prototypical petrostate - and Ecuador - which exchanged agribusiness dependency for oil decades later - illustrate how extractive states are oriented by a colonial logic of export and service. This logic regulates state-society-nature relationships and circumscribes avenues for local stakeholders to hold public officials and extractive industries to account for environmental and human harms. Populist moments of the early 21st century across Latin America responded to these conditions, promising more equitable and sustainable futures. However, rather than reversing the technocracy, verticalism, and exclusion of the recent past, populist moments often intensified and legitimated them in the drive to maximize and distribute resource rents. The result has been cyclical, as populist moments of hope and rupture fall prey to the extractivist states they tried, and failed, to replace. Teresa Kramarz is Associate Professor in Global Affairs at the University of Toronto, Canada. Donald V Kingsbury is Assistant Professor in Latin American Studies and Political Science at the University of Toronto, Canada.

A novel, model-driven approach to security requirements engineering that focuses on socio-technical systems rather than merely technical systems. Security requirements engineering is especially challenging because designers must consider not just the software under design but also interactions among people, organizations, hardware, and software. Taking this broader perspective means designing a secure socio-technical system rather than a merely technical system. This book presents a novel, model-driven approach to designing secure socio-technical systems. It introduces the Socio-Technical Modeling Language (STS-ML) and presents a freely available software tool, STS-Tool, that supports this design approach through graphical modeling, automated reasoning capabilities to verify the models constructed, and the automatic derivation of security requirements documents. After an introduction to security requirements engineering and an overview of computer and information security, the book presents the STS-ML modeling language, introducing the modeling concepts used, explaining how to use STS-ML within the STS method for security requirements, and providing guidelines for the creation of models. The book then puts the STS approach into practice, introducing the STS-Tool and presenting two case studies from industry: an online collaborative platform and an e-Government system. Finally, the book considers other methods that can be used in conjunction with the STS method or that constitute an alternative to it. The book is suitable for course use or as a reference for practitioners. Exercises, review questions, and problems appear at the end of each chapter.

Processing opened up the world of programming to artists, designers, educators, and beginners. The Processing.py Python implementation of Processing reinterprets it for today's web. This short book gently introduces the core concepts of computer programming and working with Processing. Written by the co-founders of the Processing project, Reas and Fry, along with co-author Allison Parrish, Getting Started with Processing.py is your fast track to using Python's Processing mode.

More energy from the sun strikes Earth in an hour than is consumed by humans in an entire year. Efficiently harnessing solar power for sustainable generation of hydrogen requires low-cost, purpose-built, functional materials combined with inexpensive large-scale manufacturing methods. These issues are comprehensively addressed in On Solar Hydrogen & Nanotechnology – an authoritative, interdisciplinary source of fundamental and applied knowledge in all areas related to solar hydrogen. Written by leading experts, the book emphasizes state-of-the-art materials and characterization techniques as well as the impact of nanotechnology on this cutting edge field. Addresses the current status and prospects of solar hydrogen, including major achievements, performance benchmarks, technological limitations, and crucial remaining challenges Covers the latest advances in fundamental understanding and development in photocatalytic reactions, semiconductor nanostructures and heterostructures, quantum confinement effects, device fabrication, modeling, simulation, and characterization techniques as they pertain to solar generation of hydrogen Assesses and establishes the present and future role of solar hydrogen in the hydrogen economy Contains numerous graphics to illustrate concepts, techniques, and research results On Solar Hydrogen & Nanotechnology is an essential reference for materials scientists, physical and inorganic chemists, electrochemists, physicists, and engineers carrying out research on solar energy, photocatalysis, or semiconducting nanomaterials, both in academia and industry. It is also an invaluable resource for graduate students and postdoctoral researchers as well as business professionals and consultants with an interest in renewable energy.

The Hitler Youth was not in itself a military formation, but a movement that sought to inculcate Nazi ideology upon German youth. Nevertheless, paramilitary training formed an important part of this education, especially given the Nazi

eneration of the soldier as the epitome of Germanic manhood; and even some members of the Bund Deutscher Mädel, the Hitler Youth organization for girls, became combatants in the final stages of World War II (1939-1945). This book explores how the preliminary training that German youth underwent in the Hitler Youth prepared them for service in the armed forces, and how Hitler Youth members became directly involved in military service under the pressure of total war. An essential guide to the modeling and design techniques for securing systems that utilize the Internet of Things

**Modeling and Design of Secure Internet of Things** offers a guide to the underlying foundations of modeling secure Internet of Things' (IoT) techniques. The contributors—noted experts on the topic—also include information on practical design issues that are relevant for application in the commercial and military domains. They also present several attack surfaces in IoT and secure solutions that need to be developed to reach their full potential. The book offers material on security analysis to help with in understanding and quantifying the impact of the new attack surfaces introduced by IoT deployments. The authors explore a wide range of themes including: modeling techniques to secure IoT, game theoretic models, cyber deception models, moving target defense models, adversarial machine learning models in military and commercial domains, and empirical validation of IoT platforms. This important book: Presents information on game-theory analysis of cyber deception Includes cutting-edge research finding such as IoT in the battlefield, advanced persistent threats, and intelligent and rapid honeynet generation Contains contributions from an international panel of experts Addresses design issues in developing secure IoT including secure SDN-based network orchestration, networked device identity management, multi-domain battlefield settings, and smart cities Written for researchers and experts in computer science and engineering, **Modeling and Design of Secure Internet of Things** contains expert contributions to provide the most recent modeling and design techniques for securing systems that utilize Internet of Things.

Recent years have seen a growing interest in the field of thermodynamic properties of solids due to the development of advanced experimental and modeling tools. Predicting structural phase transitions and thermodynamic properties find important applications in condensed matter and materials science research, as well as in interdisciplinary research involving geophysics and Earth Sciences. The present edited book, with contributions from leading researchers around the world, is aimed to meet the need of academic and industrial researchers, graduate students and non-specialists working in these fields. The book covers various experimental and theoretical techniques relevant to the subject. This Data Handbook is a updated and largely extended new edition of the book "Semiconductors: Basic Data". The data of the former edition have been updated and a complete representation of all relevant basic data is now given for all known groups of semiconducting materials.

Information Systems Security 13th International Conference, ICISS 2017, Mumbai, India, December 16-20, 2017, Proceedings Springer

High-energy charged particles represent a cutting-edge technique in radiation oncology. Protons and carbon ions are used in several centers all over the world for the treatment of different solid tumors. Typical indications are ocular malignancies, tumors of the base of the skull, hepatocellular carcinomas and various sarcomas. The physical characteristics of the charged particles (Bragg peak) allow sparing of much more normal tissues than it is possible using conventional X-rays, and for this reason all pediatric tumors are considered eligible for protontherapy. Ions heavier than protons also display special radiobiological characteristics, which make them effective against radioresistant and hypoxic tumors. On the other hand, protons and ions with high charge (Z) and energy (HZE particles) represent a major risk for human space exploration. The main late effect of radiation exposure is cancer induction, and at the moment the dose limits for astronauts are based on cancer mortality risk. The Mars Science Laboratory (MSL) measured the dose on the route to Mars and on the planet's surface, suggesting that a human exploration missions will exceed the radiation risk limits. Notwithstanding many studies on carcinogenesis induced by protons and heavy ions, the risk uncertainty remains very high. In this research topic we aim at gathering the experiences and opinions of scientists dealing with high-energy charged particles either for cancer treatment or for space radiation protection. Clinical results with protons and heavy ions, as well as research in medical physics and pre-clinical radiobiology are reported. In addition, ground-based and spaceflight studies on the effects of space radiation are included in this book. Particularly relevant for space studies are the clinical results on normal tissue complications and second cancers. The eBook nicely demonstrates that particle therapy in oncology and protection of astronauts from space radiation share many common topics, and can learn from each other.

Provides information on the methods of visualizing data on the Web, along with example projects and code.

How do designers get ideas? Many spend their time searching for clever combinations of forms, fonts, and colors inside the design annuals and monographs of other designers' work. For those looking to challenge the cut-and-paste mentality there are few resources that are both informative and inspirational. In *Graphic Design: The New Basics*, Ellen Lupton, best-selling author of such books as *Thinking with Type* and *Design It Yourself*, and design educator Jennifer Cole Phillips refocus design instruction on the study of the fundamentals of form in a critical, rigorous way informed by contemporary media, theory, and software systems

Intelligence preparation of the battlefield (IPB), the Army's traditional methodology for finding and analyzing relevant information for its operations, is not effective for tackling the operational and intelligence challenges of urban operations. The authors suggest new ways to categorize the complex terrain, infrastructure, and populations of urban environments and incorporate this information into Army planning and decisionmaking processes.

**NATIONAL BESTSELLER** "Unreconciled is one hell of a good book. Jesse Wenté's narrative moves effortlessly from the personal to the historical to the contemporary. Very powerful, and a joy to read." —Thomas King, author of *The Inconvenient Indian* and *Sufferance* A prominent Indigenous voice uncovers the lies and myths that affect relations between white and Indigenous peoples and the power of narrative to emphasize truth over comfort. Part memoir and part manifesto, *Unreconciled* is a stirring call to arms to put truth over the flawed concept of reconciliation, and to build a new, respectful relationship between the nation of Canada and Indigenous peoples. Jesse Wenté remembers the exact moment he realized that he was a certain kind of Indian—a stereotypical cartoon Indian. He was playing softball as a

child when the opposing team began to war-whoop when he was at bat. It was just one of many incidents that formed Wente's understanding of what it means to be a modern Indigenous person in a society still overwhelmingly colonial in its attitudes and institutions. As the child of an American father and an Anishinaabe mother, Wente grew up in Toronto with frequent visits to the reserve where his maternal relations lived. By exploring his family's history, including his grandmother's experience in residential school, and citing his own frequent incidents of racial profiling by police who'd stop him on the streets, Wente unpacks the discrepancies between his personal identity and how non-Indigenous people view him. Wente analyzes and gives voice to the differences between Hollywood portrayals of Indigenous peoples and lived culture. Through the lens of art, pop culture, and personal stories, and with disarming humour, he links his love of baseball and movies to such issues as cultural appropriation, Indigenous representation and identity, and Indigenous narrative sovereignty. Indeed, he argues that storytelling in all its forms is one of Indigenous peoples' best weapons in the fight to reclaim their rightful place. Wente explores and exposes the lies that Canada tells itself, unravels "the two founding nations" myth, and insists that the notion of "reconciliation" is not a realistic path forward. Peace between First Nations and the state of Canada can't be recovered through reconciliation--because no such relationship ever existed. Chantell Ilbury and Clem Sunter provide a crisp and entertaining analysis of the mind of a fox and identify the two questions you should ask before committing yourself to action: what do you and do you not control? What is certain and uncertain about the future?

As organizations rely on the Internet to perform their company's business, the impact of network security breaches grows. The task of securing an organization's resources falls on administrators who lack the time and know-how to properly secure a network. This is a how-to book, providing the steps to securing networks and the conceptual information to understand what these actions are doing.

This book constitutes the refereed proceedings of the 13th International Conference on Information Systems Security, ICISS 2017, held in Mumbai, India, in December 2017. The 17 revised full papers and 7 short papers presented together with 2 invited papers were carefully reviewed and selected from 73 submissions. The papers address the following topics: privacy/cryptography, systems security, security analysis, identity management and access control, security attacks and detection, network security.

"A delightful, compelling book that offers a dazzling array of practical, thoughtful exercises designed to spark creativity, help solve problems, foster connection, and make our lives better."—Gretchen Rubin, New York Times bestselling author and host of the Happier podcast In an era of ambiguous, messy problems—as well as extraordinary opportunities for positive change—it's vital to have both an inquisitive mind and the ability to act with intention. Creative Acts for Curious People is filled with ways to build those skills with resilience, care, and confidence. At Stanford University's world-renowned Hasso Plattner Institute of Design, aka "the d.school," students and faculty, experts and seekers bring together diverse perspectives to tackle ambitious projects; this book contains the experiences designed to help them do it. A provocative and highly visual companion, it's a definitive resource for people who aim to draw on their curiosity and creativity in the face of uncertainty.

Teeming with ideas about discovery, learning, and leading the way through unknown creative territory, Creative Acts for Curious People includes memorable stories and more than eighty innovative exercises. Curated by executive director Sarah Stein Greenberg, after being honed in the classrooms of the d.school, these exercises originated in some of the world's most inventive and unconventional minds, including those of d.school and IDEO founder David M. Kelley, ReadyMade magazine founder Grace Hawthorne, innovative choreographer Aleta Hayes, Google chief innovation evangelist Frederik G. Pferdt, and many more. To bring fresh approaches to any challenge—world changing or close to home—you can draw on exercises such as Expert Eyes to hone observation skills, How to Talk to Strangers to foster understanding, and Designing Tools for Teams to build creative leadership. The activities are at once lighthearted, surprising, tough, and impactful—and reveal how the hidden dynamics of design can drive more vibrant ways of making, feeling, exploring, experimenting, and collaborating at work and in life. This book will help you develop the behaviors and deepen the mindsets that can turn your curiosity into ideas, and your ideas into action.

First Processing book on the market Processing is a nascent technology rapidly increasing in popularity Links with the creators of Processing will help sell the book

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker's Handbook, Fifth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition. •Build and launch spoofing exploits with Ettercap •Induce error conditions and crash software using fuzzers •Use advanced reverse engineering to exploit Windows and Linux software •Bypass Windows Access Control and memory protection schemes •Exploit web applications with Padding Oracle Attacks •Learn the use-after-free technique used in recent zero days •Hijack web browsers with advanced XSS attacks •Understand ransomware and how it takes control of your desktop •Dissect Android malware with JEB and DAD decompilers •Find one-day vulnerabilities with binary diffing •Exploit wireless systems with Software Defined Radios (SDR) •Exploit Internet of things devices •Dissect and exploit embedded devices •Understand bug bounty programs •Deploy next-generation honeypots •Dissect ATM malware and analyze common ATM attacks •Learn the business side of ethical hacking

First comprehensive treatment of ANSI and ISO standards for the C Library. Includes practical advice on using all 15 headers of the Library and covers the concept design and utilization of libraries. Contains complete codes of C Library and is the companion volume to C Programming Language. An independent consultant, author Plauger is one of the world's leading experts on C and the C Library.

Do your validated analytical procedures or chemical processes specify the use of American Chemical Society grade reagent chemicals? If so, you will need this ninth edition of Reagent Chemicals, containing the official January 2000 specifications. The latest edition of this indispensable reference continues in the tradition of providing detailed specifications and analytical procedures for approximately 450 laboratory reagents, while updating some of the more complicated classical procedures for trace analysis and adding instrumental methods where possible. New to Reagent Chemicals, 9th edition is the addition of standard-grade reference materials, featuring 400 specified standards in a section separate from the traditional reagent chemicals. Other important additions include reagents for use in ultra trace analysis and new analytical techniques such as plasma emission spectroscopy and "clean room" analytical procedures that are required in the use of these reagents. This rigorous volume, with its many specifications, up-to-date procedures, and constant improvement through years of research, is an essential tool in assuring the required quality of your reagent chemicals.

The East India Company (EIC), also known as the Honourable East India Company (HEIC) or the British East India Company and informally as John Company, was an English and later British joint-stock company, which was formed to pursue trade with the East Indies but ended up trading mainly with the Indian subcontinent and Qing China.Originally chartered as the "Governor and

Company of Merchants of London trading into the East Indies", the company rose to account for half of the world's trade, particularly in basic commodities including cotton, silk, indigo dye, salt, saltpetre, tea and opium. The company also ruled the beginnings of the British Empire in India.

With the same insight and authority that made their book *The Unix Programming Environment* a classic, Brian Kernighan and Rob Pike have written *The Practice of Programming* to help make individual programmers more effective and productive. The practice of programming is more than just writing code. Programmers must also assess tradeoffs, choose among design alternatives, debug and test, improve performance, and maintain software written by themselves and others. At the same time, they must be concerned with issues like compatibility, robustness, and reliability, while meeting specifications. *The Practice of Programming* covers all these topics, and more. This book is full of practical advice and real-world examples in C, C++, Java, and a variety of special-purpose languages. It includes chapters on: debugging: finding bugs quickly and methodically testing: guaranteeing that software works correctly and reliably performance: making programs faster and more compact portability: ensuring that programs run everywhere without change design: balancing goals and constraints to decide which algorithms and data structures are best interfaces: using abstraction and information hiding to control the interactions between components style: writing code that works well and is a pleasure to read notation: choosing languages and tools that let the machine do more of the work Kernighan and Pike have distilled years of experience writing programs, teaching, and working with other programmers to create this book. Anyone who writes software will profit from the principles and guidance in *The Practice of Programming*.

**THE CRITICAL WORK IN GLOBAL HEALTH, NOW COMPLETELY REVISED AND UPDATED** "This book compels us to better understand the contexts in which health problems emerge and the forces that underlie and propel them." -Archbishop Emeritus Desmond Mpilo Tutu H1N1. Diabetes. Ebola. Zika. Each of these health problems is rooted in a confluence of social, political, economic, and biomedical factors that together inform our understanding of global health. The imperative for those who study global health is to understand these factors individually and, especially, synergistically. Fully revised and updated, this fourth edition of Oxford's *Textbook of Global Health* offers a critical examination of the array of societal factors that shape health within and across countries, including how health inequities create consequences that must be addressed by public health, international aid, and social and economic policymaking. The text equips students, activists, and health professionals with the building blocks for a contextualized understanding of global health, including essential threads that are combined in no other work: · historical dynamics of the field · the political economy of health and development · analysis of the current global health structure, including its actors, agencies, and activities · societal determinants of health, from global trade and investment treaties to social policies to living and working conditions · the role of health data and measuring health inequities · major causes of global illness and death, including under crises, from a political economy of health vantage point that goes beyond communicable vs. non-communicable diseases to incorporate contexts of social and economic deprivation, work, and globalization · the role of trade/investment and financial liberalization, precarious work, and environmental degradation and contamination · principles of health systems and the politics of health financing · community, national, and transnational social justice approaches to building healthy societies and practicing global health ethically and equitably Through this approach the *Textbook of Global Health* encourages the reader -- be it student, professional, or advocate -- to embrace a wider view of the global health paradigm, one that draws from political economy considerations at community, national, and transnational levels. It is essential and current reading for anyone working in or around global health.

*Essential Primary Care* aims to provide undergraduate students with a comprehensive overview of the clinical problems encountered in primary care. It covers the structure of primary care in the UK, disease prevention and the management of common and important clinical presentations from infancy to old age. Case studies are used in every chapter to illustrate key learning points. The book provides practical advice on how to consult with patients, make sense of their symptoms, explain things to them, and manage their problems. *Essential Primary Care*: • Is structured in five sections: - The building blocks of primary care: its structure and connection with secondary care, the consultation, the process of making a diagnosis, prescribing, and ethical issues - Health promotion - Common and important presenting problems in roughly chronological order - Cancer - Death and palliative care • Gives advice on how to phrase questions when consulting with patients and how to present information to patients • Provides advice on how management extends to prescribing - often missing from current textbooks • Contains case studies within each chapter which reflect the variety of primary care and provide top tips and advice for consulting with patients •

Supported by a companion website at [www.wileyessential.com/primarycare](http://www.wileyessential.com/primarycare) featuring MCQs, EMQs, cases and OSCE checklists Showing how to analyze a company's vulnerability and how to take a stand on the controversial ethical disclosure issue, this unique resource provides leading-edge technical information being utilized by the top network engineers, security auditors, programmers, and vulnerability assessors. The book provides a practical course of action for those who find themselves in a "disclosure decision" position.

\* This text represents a conventional approach to the diagnosis and management of binocular vision disorders \* It is a practical, very modern text with a highly designed layout and with extensive use of full colour illustrations \* Containing contributions by relevant experts in the field it is rigorously edited to ensure that a uniform and consistently high standard is maintained throughout Harquitectes is an architectural firm founded in 2006 in Sabadell, near Barcelona. The studio addresses the current economic crisis by adapting its work to commissions, from public buildings such as schools to single-family houses. This publication is the first comprehensive monograph on its work.

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