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KEY=LOGITECH - TRISTEN LAILA

PROTECTING POLLINATORS

HOW TO SAVE THE CREATURES THAT FEED OUR WORLD

We should thank a pollinator at every meal. These diminutive creatures fertilize a third of the crops we eat. Yet half of the 200,000 species of pollinators are threatened. Birds, bats, insects, and many other pollinators are disappearing, putting our entire food supply in jeopardy. Protecting Pollinators breaks down the latest science on environmental threats and takes readers inside the most promising conservation efforts. Efforts range from cities creating butterfly highways to citizen scientists monitoring migration. Along with inspiring stories of revival and lessons from failed projects, readers will find practical tips to get involved. And they will be reminded of the magic of pollinators--the iconic monarchs, dainty hummingbirds, and homely bats alike who bring food to our tables.

COMPUTER FORENSICS INFOSEC PRO GUIDE

McGraw Hill Professional **Security Smarts for the Self-Guided IT Professional** Find out how to excel in the field of computer forensics investigations. Learn what it takes to transition from an IT professional to a computer forensic examiner in the private sector. Written by a Certified Information Systems Security Professional, Computer Forensics: InfoSec Pro Guide is filled with real-world case studies that demonstrate the concepts covered in the book. You'll learn how to set up a forensics lab, select hardware and software, choose forensic imaging procedures, test your tools, capture evidence from different sources, follow a sound investigative process, safely store evidence, and verify your findings. Best practices for documenting your results, preparing reports, and presenting evidence in court are also covered in this detailed resource. Computer Forensics: InfoSec Pro Guide features: Lingo--Common security terms defined so that you're in the know on the job IMHO--Frank and relevant opinions based on the author's years of industry experience Budget Note--Tips for getting security technologies and processes into your organization's budget In Actual Practice--Exceptions to the rules of security explained in real-world contexts Your Plan--Customizable checklists you can use on the job now Into Action--Tips on how, why, and when to apply new skills and techniques at work

ELITE DANGEROUS - THE UNOFFICIAL HANDBOOK

PART 1: BEGINNERS

Elite Dangerous isn't just a game, it's a whole world. Exploration, trade, travel, battle, politics, friendships, and intrigue are as much a part of the game as awesome views and stunning graphics. For this Elite Dangerous, of course, is very complex, and especially beginners often have a hard time. With a few tricks and explanations, you can 'git gud' in a short time. This book will help you to find your way in the world of Elite Dangerous. It lowers your frustration level in a very complex environment while increasing your performance in the game without forcing you into shortcuts.Benefit from the knowledge of experienced commanders and enter the world of Elite Dangerous.

THE COACHING HABIT

SAY LESS, ASK MORE & CHANGE THE WAY YOU LEAD FOREVER

Box of Crayons Press **Coaching is an essential skill for leaders. But for most busy, overworked managers, coaching employees is done badly, or not at all. They're just too busy, and it's too hard to change. But what if managers could coach their people in 10 minutes or less? In Michael Bungay Stanier's The Coaching Habit, coaching becomes a regular, informal part of your day so managers and their teams can work less hard and have more impact. Coaching is an art and it's far easier said than done. It takes courage to ask a question rather than offer up advice, provide an answer, or unleash a solution. Giving another person the opportunity to find their own way, make their own mistakes, and create their own wisdom is both brave and vulnerable. It can also mean unlearning our "fix it" habits. In this practical and inspiring book, Michael shares seven transformative questions that can make a difference in how we lead and support. And, he guides us through the tricky part - how to take this new information and turn it into habits and a daily practice. -Brené Brown, author of Rising Strong and Daring Greatly Drawing on years of experience training more than 10,000 busy managers from around the globe in practical, everyday coaching skills, Bungay Stanier reveals how to unlock your peoples' potential. He unpacks seven essential coaching questions to demonstrate how--by saying less and asking more--you can develop coaching methods that produce great results. - Get straight to the point in any conversation with The Kickstart Question - Stay on track during any interaction with The AWE Question - Save hours of time for yourself with The Lazy Question, and hours of time for others with The Strategic Question - Get to the heart of any interpersonal or external challenge with The Focus Question and The Foundation Question - Finally, ensure others find your coaching as beneficial as you do with The Learning Question A fresh, innovative take on the traditional how-to manual, the book combines insider information with research based in neuroscience and behavioural economics, together with interactive training tools to turn practical advice into practiced habits. Dynamic question-and-answer sections help identify old habits and kick-start new behaviour, making sure you get the most out of all seven chapters. Witty and conversational, The Coaching Habit takes your work--and your workplace--from good to great.**

THE WISCONSIN ENVIRONMENTAL EDUCATION BOARD ... GRANT RECIPIENTS

GREEN GADGETS

A SAVVY, GREEN GUIDE TO GADGETS FOR A SUSTAINABLE, LOW-CARBON LIFESTYLE

The Energy and Resources Institute (TERI) **Gadgets: those sleek, shiny, snazzy companions you and I love! By making numerous tasks easier, keeping in touch with others and the world faster, and our lives so much smoother, gadgets today are simply indispensable. But did you know that your smartphone, game console, or phablet has a dark side too? Their toxic constituents, power consumption, and the careless manner in which they are discarded bring out their evil side in the form of critical problems like pollution, energy crisis, and climate change. Using them also means paying hefty electricity bills. So, is there a way to balance your love for these devices while being sensitive towards the environment and considerate towards your pocket? Find out as Green Gadgets introduces you to a world of eco-friendly and energy-efficient alternatives. Contents □ The Evolution of Gadgets □ A Microscopic View □ Going Gaga over Gadgets □ The Dark Side of Gadgets □ Green-o-vation □ Eco-tronics □ It's Easy to □Go Green□ About the Author: From writing thoughts to poetry, Aditi Jindal has been on a writing spree ever since she wrote her first poem in school. The big switch from poetry to prose took place in 2010 with her first fiction novel, which discussed the upbringing of a child in an Indian joint family system. Her second fiction title created a stir amongst a lot of college-goers. She was also invited as one of the leading panelists, and was the youngest speaker on □Decoding Relationships□, at the 2013 Gliterarti: Gurgaon Art and Literary Festival. Being an avid traveller, she often blogs and writes travel articles for a well-known travel website and a newspaper. Green Gadgets is Aditi's second non-fiction work based on her interactions with the teens today.**

THE ELEMENTARY SCHOOL LIBRARY COLLECTION

A GUIDE TO BOOKS AND OTHER MEDIA, PHASES 1-2-3

Brodart Company

THE UNOFFICIAL GUIDE TO OPEN BROADCASTER SOFTWARE

OBS: THE WORLD'S MOST POPULAR FREE LIVE-STREAMING APPLICATION

Independently Published Today more than ever Open Broadcaster Software is being recognized as a valuable video production tool in the broadcast industry. OBS stands for Open Broadcaster Software, and it is the most popular free live-streaming software in the world. OBS is an open-source-software application, and the project is reviewed, maintained, and enhanced by a community of volunteers. Anyone can use it for free and also participate in its development using Github, Dischord, or other online collaboration tools. This guide has been written to compliment an online OSB training course available on Udemy.com. With this guide, the included online course, downloadable materials and a complementary audiobook, anyone interested in learning more about OBS should be able to advance their skills efficiently with these resources. The OBS suite is a versatile tool for recording video and live streaming. It can be used to record presentations, screen-capture sessions, eSports gaming, and much more. OBS can be used to capture and record video, with a robust set of tools for processing audio as well. OBS can eliminate the need for expensive internal capture cards with the integration of the NewTek(R) NDI(R), and it simplifies the process of screen recording and online streaming.

GUILD WARS 2 SIGNATURE SERIES GUIDE

Brady Provides tips, techniques, and strategies for the fantasy multiplayer online role-playing game set in Tyria.

PARALYSIS RESOURCE GUIDE

The Paralysis Resource Guide, produced by the Christopher & Dana Reeve Foundation, is a reference and lifestyle tool for people affected by paralysis. The book includes details on medical and clinical subjects related to all causes of paralysis, as well as health maintenance information. The fully-illustrated book provides a detailed overview of biomedical research, assistive technology, sports and recreation activities, legal and civil rights, social security and benefits, and numerous lifestyle options.

52 FUNERAL SERMONS

Createspace Independent Pub For most of us, one of the most rewarding, yet difficult tasks, is preparing messages to preach and teach. We are honored by God to stand before our congregation each week, and we want to give them the very best, but with the press of the many demands of ministry, sometimes that is difficult to do. And if you're like me, you prefer writing your own sermons because you have a special connection with your congregation that is hard to reach through a message someone else has written. In other words, no one knows your people like you do! Our new Pulpit Outline Series gives you a starting point - a sermon title, a deductive sermon outline; and a relevant illustration you can use however you like. In this edition, rather than an outline, we have given you full manuscript messages that can be edited to suit your purposes. We invite you to make these messages your own, because only you know the people God has called you to preach to. And we are so honored that you've invested in this unique third volume in the Pulpit Outline series - 52 Funeral Sermons. We have put together the most tasteful, relevant, and Biblical messages possible. May God Bless You as You Share His Word!

THE AMERICAN ANGLER'S GUIDE; OR, COMPLETE FISHER'S MANUAL, FOR THE UNITED STATES

CONTAINING THE OPINIONS AND PRACTICES OF EXPERIENCED ANGLERS OF BOTH HEMISPHERES; WITH THE VARIOUS MODES ADOPTED IN OCEAN, RIVER, LAKE, AND POND FISHING

Legare Street Press This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

MASTERS OF DISASTER

THE TEN COMMANDMENTS OF DAMAGE CONTROL

St. Martin's Press The foolproof guide to damage control from the "masters of disaster" Whether you're a politician caught with his pants down, a publicly traded company accused of accounting improprieties, a family-owned restaurant with a lousy Yelp review or just the guy in the corner cubicle who inadvertently pushed "reply all," a crisis doesn't have to be the make-or-break moment of your career. For those of us that aren't natural spin doctors, it's hard to resist the impulse to cover your tracks, lie, or act like nothing happened. But resist you must! In Masters of Disaster, Christopher Lehane and Mark Fabiani, reveal the magic formula you need to take control when it's your turn to be sucked into the vortex of the modern spin cycle. Covering the ten commandments of damage control, and based on their work for clients like Bill Clinton, Goldman Sachs and Hollywood studios, the authors outline the strategies that can make real time news alerts, Twitter trend lines and viral videos work for you rather against you. Full of both lively personal anecdotes and hard-knuckled straight talk, this is a must-read for anyone who wants to emerge with their reputation intact.

GOOGLE POWER SEARCH

"O'Reilly Media, Inc." Behind Google's deceptively simple interface is immense power for both market and competitive research—if you know how to use it well. Sure, basic searches are easy, but complex searches require specialized skills. This concise book takes you through the full range of Google's powerful search-refinement features, so you can quickly find the specific information you need. Learn techniques ranging from simple Boolean logic to URL parameters and other advanced tools, and see how they're applied to real-world market research examples. Incorporate advanced search operators such as filetype:, intitle:, daterange:, and others into your queries Use Google filtering tools, including Search Within Results, Similar Pages, and SafeSearch, among others Explore the breadth of Google through auxiliary search services like Google News, Google Books, Google Blog Search, and Google Scholar Acquire advanced Google skills that result in more effective search engine optimization (SEO)

FIXING YOUR SCRUM

PRACTICAL SOLUTIONS TO COMMON SCRUM PROBLEMS

Pragmatic Bookshelf A Scrum Master's work is never done. The Development team needs your support, the Product Owner is often lost in the complexities of agile product management, and your managers and stakeholders need to know what will be done, by when, and for how much. Learn how experienced Scrum Masters balance the demands of these three levels of servant leadership while removing organizational impediments and helping Scrum Teams deliver real world value. Discover how to visualize your work, resolve impediments, and empower your teams to self-organize and deliver using the Scrum Values, Agile Principles, and advanced coaching and facilitation techniques. A Scrum Master needs to know when their team is in trouble and understand how to help them get back on

the path to delivery. Become a better Scrum master so you can find the problems holding your teams back. Has your Daily Scrum turned in to a meeting? Does your team struggle with creating user stories? Are stakeholders disengaged during Sprint Review? These issues are common. Learn to use empiricism as your guide and help your teams create great products. Scrum is so much more than a checklist of practices to follow, yet that's exactly how many organizations practice it. Bring life back to your Scrum events by using advanced facilitation techniques to leverage the full intelligence of your team. Improve your retrospectives with new formats and exercises. Ask powerful questions that spark introspection and improvement. Get support and buy-in from management. Use Scrum as a competitive advantage for your organization. Create a definition of done that improves quality and fix failing sprints. Take the next step on your journey as a Scrum master. Transform your Scrum practices to help your teams enjoy their work again as they deliver high quality products that bring value to the world. What You Need: A moderate level of experience using the Scrum Framework.

PRESSURE COOKER PERFECTION

[America's Test Kitchen](#) 100 foolproof pressure-cooker recipes that will change the way you cook. In Pressure Cooker Perfection, the first volume in our new test kitchen handbook series, the editors at America's Test Kitchen demystify an appliance that to many home cooks remains intimidating -- but shouldn't. Modern pressure cookers are safer, quieter, more reliable, and more user-friendly than old-fashioned jiggle-top models. And they can prepare a wide range of foods -- everything from barbecue to risotto -- in record time. Cooking under pressure results in better-tasting dishes because every drop of flavor is trapped in the sealed pot. This fact, combined with the shorter cooking time, means that your dishes will be supercharged with flavor. And cooking under pressure is versatile. While they're ideal for roasts and stews, pressure cookers can also turn out perfectly tender beans, grains, and legumes in short order. If ever there was a cooking method that could benefit from the obsessive trial and error that our test kitchen is known for, this is it. When cooking time is compressed, every minute matters, and when flavors are amplified, even a small change becomes significant. We ran hundreds of tests in fifteen pressure cookers to find out what works and what doesn't, and we deliver the foolproof, guaranteed-successful recipes in Pressure Cooker Perfection. With this foolproof guide to cooking under pressure, every home cook will be guaranteed success.

LEARNING FOR ADAPTIVE AND REACTIVE ROBOT CONTROL

A DYNAMICAL SYSTEMS APPROACH

[MIT Press](#) Methods by which robots can learn control laws that enable real-time reactivity using dynamical systems; with applications and exercises. This book presents a wealth of machine learning techniques to make the control of robots more flexible and safe when interacting with humans. It introduces a set of control laws that enable reactivity using dynamical systems, a widely used method for solving motion-planning problems in robotics. These control approaches can replan in milliseconds to adapt to new environmental constraints and offer safe and compliant control of forces in contact. The techniques offer theoretical advantages, including convergence to a goal, non-penetration of obstacles, and passivity. The coverage of learning begins with low-level control parameters and progresses to higher-level competencies composed of combinations of skills. Learning for Adaptive and Reactive Robot Control is designed for graduate-level courses in robotics, with chapters that proceed from fundamentals to more advanced content. Techniques covered include learning from demonstration, optimization, and reinforcement learning, and using dynamical systems in learning control laws, trajectory planning, and methods for compliant and force control . Features for teaching in each chapter: • applications, which range from arm manipulators to whole-body control of humanoid robots; • pencil-and-paper and programming exercises; • lecture videos, slides, and MATLAB code examples available on the author's website . • an eTextbook platform website offering protected material[EPS2] for instructors including solutions.

LEARNING ROS FOR ROBOTICS PROGRAMMING

[Packt Publishing Ltd](#) Your one-stop guide to the Robot Operating System About This Book Model your robot on a virtual world and learn how to simulate it Create, visualize, and process Point Cloud information Easy-to-follow, practical tutorials to program your own robots Who This Book Is For If you are a robotic enthusiast who wants to learn how to build and program your own robots in an easy-to-develop, maintainable, and shareable way, this book is for you. In order to make the most of the book, you should have a C++ programming background, knowledge of GNU/Linux systems, and general skill in computer science. No previous background on ROS is required, as this book takes you from the ground up. It is also advisable to have some knowledge of version control systems, such as svn or git, which are often used by the community to share code. What You Will Learn Install a complete ROS Hydro system Create ROS packages and metapackages, using and debugging them in real time Build, handle, and debug ROS nodes Design your 3D robot model and simulate it in a virtual environment within Gazebo Give your robots the power of sight using cameras and calibrate and perform computer vision tasks with them Generate and adapt the navigation stack to work with your robot Integrate different sensors like Range Laser, Arduino, and Kinect with your robot Visualize and process Point Cloud information from different sensors Control and plan motion of robotic arms with multiple joints using MoveIt! In Detail If you have ever tried building a robot, then you know how cumbersome programming everything from scratch can be. This is where ROS comes into the picture. It is a collection of tools, libraries, and conventions that simplifies the robot building process. What's more, ROS encourages collaborative robotics software development, allowing you to connect with experts in various fields to collaborate and build upon each other's work. Packed full of examples, this book will help you understand the ROS framework to help you build your own robot applications in a simulated environment and share your knowledge with the large community supporting ROS. Starting at an introductory level, this book is a comprehensive guide to the fascinating world of robotics, covering sensor integration, modeling, simulation, computer vision, navigation algorithms, and more. You will then go on to explore concepts like topics, messages, and nodes. Next, you will learn how to make your robot see with HD cameras, or navigate obstacles with range sensors. Furthermore, thanks to the contributions of the vast ROS community, your robot will be able to navigate autonomously, and even recognize and interact with you in a matter of minutes. What's new in this updated edition? First and foremost, we are going to work with ROS Hydro this time around. You will learn how to create, visualize, and process Point Cloud information from different sensors. This edition will also show you how to control and plan motion of robotic arms with multiple joints using MoveIt! By the end of this book, you will have all the background you need to build your own robot and get started with ROS. Style and approach This book is an easy-to-follow guide that will help you find your way through the ROS framework. This book is packed with hands-on examples that will help you program your robot and give you complete solutions using ROS open source libraries and tools.

PHOTOSHOP CHANNEL CHOPS

[New Riders](#) The Master of Photoshop unveils his secrets of the true power behind the most popular image processing program. Unlock the intimidating high-end features of Photoshop to create stunning digital images with this book that takes the experienced designer and digital artist to new heights of proficiency.

PROGRAMMING ROBOTS WITH ROS

A PRACTICAL INTRODUCTION TO THE ROBOT OPERATING SYSTEM

["O'Reilly Media, Inc."](#) Want to develop novel robot applications, but don't know how to write a mapping or object-recognition system? You're not alone, but you're certainly not without help. By combining real-world examples with valuable knowledge from the Robot Operating System (ROS) community, this practical book provides a set of motivating recipes for solving specific robotics use cases. Ideal for enthusiasts, from students in robotics clubs to professional robotics scientists and engineers, each recipe describes a complete solution using ROS open source libraries and tools. You'll learn how to complete tasks described in the recipes, as well as how to configure and recombine components for other tasks. If you're familiar with Python, you're ready to go. Learn fundamentals, including key ROS concepts, tools, and patterns Program robots that perform an increasingly complex set of behaviors, using the powerful packages in ROS See how to easily add perception and navigation abilities to your robots Integrate your own sensors, actuators, software libraries, and even a whole robot into the ROS ecosystem Learn tips and tricks for using ROS tools and community resources, debugging robot behavior, and using C++ in ROS

ELEMENTS OF ROBOTICS

[Springer](#) This open access book bridges the gap between playing with robots in school and studying robotics at the upper undergraduate and graduate levels to prepare for careers in industry and research. Robotic algorithms are presented formally, but using only mathematics known by high-school and first-year college students, such as calculus, matrices and probability. Concepts and algorithms are explained through detailed diagrams and calculations. Elements of Robotics presents an overview of different types of robots

and the components used to build robots, but focuses on robotic algorithms: simple algorithms like odometry and feedback control, as well as algorithms for advanced topics like localization, mapping, image processing, machine learning and swarm robotics. These algorithms are demonstrated in simplified contexts that enable detailed computations to be performed and feasible activities to be posed. Students who study these simplified demonstrations will be well prepared for advanced study of robotics. The algorithms are presented at a relatively abstract level, not tied to any specific robot. Instead a generic robot is defined that uses elements common to most educational robots: differential drive with two motors, proximity sensors and some method of displaying output to the user. The theory is supplemented with over 100 activities, most of which can be successfully implemented using inexpensive educational robots. Activities that require more computation can be programmed on a computer. Archives are available with suggested implementations for the Thymio robot and standalone programs in Python.

THE DARK KNIGHT MANUAL

TOOLS, WEAPONS, VEHICLES & DOCUMENTS FROM THE BATCAVE

Explores the world created by filmmaker Christopher Nolan and his reboot of the Batman series in 2005 with "Batman Begins" and continuing through to "The Dark Knight" and the upcoming series conclusion "The Dark Knight Rises."

COMPLEX PRESENTS: SNEAKER OF THE YEAR

THE BEST SINCE '85

[Abrams](#) In 1985, Nike released Michael Jordan's first sneaker, the Air Jordan 1, and sneaker culture was born. Now thousands of people wait in line at Supreme, and companies throw millions of dollars at LeBron James to keep him in their marketing plans. The trend that saw steady growth for decades with the emergence of sports, hip-hop, and sportswear advertising has exploded into a phenomenon. And no one has watched that phenomenon more closely than Complex. Sneaker of the Year explores the past 35 years of sneaker culture with the expertise, authority, and passion that only Complex can offer. With vibrant photographs and illustrations throughout, as well as input from some of the sneaker world's most important voices, this compilation is a must-have for hypebeasts and sneakerheads everywhere.

LOST IN A GOOD GAME

WHY WE PLAY VIDEO GAMES AND WHAT THEY CAN DO FOR US

[Icon Books](#) 'Etchells writes eloquently ... A heartfelt defence of a demonised pastime' The Times 'Once in an age, a piece of culture comes along that feels like it was specifically created for you, the beats and words and ideas are there because it is your life the creator is describing. Lost In A Good Game is exactly that. It will touch your heart and mind. And even if Bowser, Chun-li or Q-Bert weren't crucial parts of your youth, this is a flawless victory for everyone' Adam Rutherford When Pete Etchells was 14, his father died from motor neurone disease. In order to cope, he immersed himself in a virtual world - first as an escape, but later to try to understand what had happened. Etchells is now a researcher into the psychological effects of video games, and was co-author on a recent paper explaining why WHO plans to classify 'game addiction' as a danger to public health are based on bad science and (he thinks) are a bad idea. In this, his first book, he journeys through the history and development of video games - from Turing's chess machine to mass multiplayer online games like World of Warcraft- via scientific study, to investigate the highs and lows of playing and get to the bottom of our relationship with games - why we do it, and what they really mean to us. At the same time, Lost in a Good Game is a very unusual memoir of a writer coming to terms with his grief via virtual worlds, as he tries to work out what area of popular culture we should classify games (a relatively new technology) under.

STRATEGIC MANAGEMENT AND BUSINESS POLICY

ENTERING 21ST CENTURY GLOBAL SOCIETY

INTEL GALILEO AND INTEL GALILEO GEN 2

API FEATURES AND ARDUINO PROJECTS FOR LINUX PROGRAMMERS

[Apress](#) Intel® Galileo and Intel® Galileo Gen 2: API Features and Arduino Projects for Linux Programmers provides detailed information about Intel® Galileo and Intel® Galileo Gen 2 boards for all software developers interested in Arduino and the Linux platform. The book covers the new Arduino APIs and is an introduction for developers on natively using Linux. Author Manoel Carlos Ramon is a member of the Intel Galileo development team; in this book he draws on his practical experience in working on the Galileo project as he shares the team's findings, problems, fixes, workarounds, and techniques with the open source community. His areas of expertise are wide-ranging, including Linux-embedded kernel and device drivers, C/C++, Java, OpenGL, Assembler, Android NDK/SDK/ADK, and 2G/3G/4G modem integration. He has more than 17 years of experience in research and development of mobile devices and embedded circuits. His personal blog about programming is BytesThink (www.bytesthink.com).

ADVANCES IN SIMULATION AND DIGITAL HUMAN MODELING

PROCEEDINGS OF THE AHFE 2020 VIRTUAL CONFERENCES ON HUMAN FACTORS AND SIMULATION, AND DIGITAL HUMAN MODELING AND APPLIED OPTIMIZATION, JULY 16-20, 2020, USA

[Springer Nature](#) This book presents the latest advances in modeling and simulation for human factors research. It reports on cutting-edge simulators such as virtual and augmented reality, multisensory environments, and modeling and simulation methods used in various applications, including surgery, military operations, occupational safety, sports training, education, transportation and robotics. Based on two AHFE 2020 Virtual Conferences such as the AHFE 2020 Virtual Conference on Human Factors and Simulation and the AHFE 2020 Virtual Conference on Digital Human Modeling and Applied Optimization, held on July 16-20, 2020, the book serves as a timely reference guide for researchers and practitioners developing new modeling and simulation tools for analyzing or improving human performance. It also offers a unique resource for modelers seeking insights into human factors research and more feasible and reliable computational tools to foster advances in this exciting field.

LUNAR AND PLANETARY WEBCAM USER'S GUIDE

[Springer Science & Business Media](#) This book de-mystifies the jargon of webcams and computer processing, and provides detailed hints and tips for imaging the Sun, Moon and planets with a webcam. It demonstrates how inexpensive tools are revolutionizing imaging in amateur astronomy. Anyone with a modest telescope and a webcam can now obtain jaw-dropping lunar and planetary images to rival those taken with mid-range astronomical CCD cameras costing thousands of dollars. A glance through the images in this book shows just what spectacular results can be achieved by using a webcam with your telescope! Your scientific results will be sought by professional astronomers.

COMPUTER NETWORKS AND INVENTIVE COMMUNICATION TECHNOLOGIES

PROCEEDINGS OF THIRD ICCNCT 2020

[Springer Nature](#) This book is a collection of peer-reviewed best selected research papers presented at 3rd International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2020). The book covers new results in theory, methodology, and applications of computer networks and data communications. It includes original papers on computer networks, network protocols and wireless networks, data communication technologies, and network security. The proceedings of this conference is a valuable

resource, dealing with both the important core and the specialized issues in the areas of next generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practice. It is a reference for researchers, instructors, students, scientists, engineers, managers, and industry practitioners for advance work in the area.

HACKING EXPOSED WIRELESS

[McGraw Hill Professional](#) **Secure Your Wireless Networks the Hacking Exposed Way** Defend against the latest pervasive and devastating wireless attacks using the tactical security information contained in this comprehensive volume. **Hacking Exposed Wireless** reveals how hackers zero in on susceptible networks and peripherals, gain access, and execute debilitating attacks. Find out how to plug security holes in Wi-Fi/802.11 and Bluetooth systems and devices. You'll also learn how to launch wireless exploits from Metasploit, employ bulletproof authentication and encryption, and sidestep insecure wireless hotspots. The book includes vital details on new, previously unpublished attacks alongside real-world countermeasures. Understand the concepts behind RF electronics, Wi-Fi/802.11, and Bluetooth Find out how hackers use NetStumbler, WiSPY, Kismet, KisMAC, and AiroPeek to target vulnerable wireless networks Defend against WEP key brute-force, aircrack, and traffic injection hacks Crack WEP at new speeds using Field Programmable Gate Arrays or your spare PS3 CPU cycles Prevent rogue AP and certificate authentication attacks Perform packet injection from Linux Launch DoS attacks using device driver-independent tools Exploit wireless device drivers using the Metasploit 3.0 Framework Identify and avoid malicious hotspots Deploy WPA/802.11i authentication and encryption using PEAP, FreeRADIUS, and WPA pre-shared keys

THE SATELLITE COMMUNICATION APPLICATIONS HANDBOOK

[Artech House](#) Since the publication of the best-selling first edition of *The Satellite Communication Applications Handbook*, the satellite communications industry has experienced explosive growth. Satellite radio, direct-to-home satellite television, satellite telephones, and satellite guidance for automobiles are now common and popular consumer products. Similarly, business, government, and defense organizations now rely on satellite communications for day-to-day operations. This second edition covers all the latest advances in satellite technology and applications including direct-to-home broadcasting, digital audio and video, and VSAT networks. Engineers get the latest technical insights into operations, architectures, and systems components.

CONTACTLESS VITAL SIGNS MONITORING

[Academic Press](#) Vital signs, such as heart rate and respiration rate, are useful to health monitoring because they can provide important physiological insights for medical diagnosis and well-being management. Most traditional methods for measuring vital signs require a person to wear biomedical devices, such as a capnometer, a pulse oximeter, or an electrocardiogram sensor. These contact-based technologies are inconvenient, cumbersome, and uncomfortable to use. There is a compelling need for technologies that enable contact-free, easily deployable, and long-term monitoring of vital signs for healthcare. *Contactless Vital Signs Monitoring* presents a systematic and in-depth review on the principles, methodologies, and opportunities of using different wavelengths of an electromagnetic spectrum to measure vital signs from the human face and body contactlessly. The volume brings together pioneering researchers active in the field to report the latest progress made, in an intensive and structured way. It also presents various healthcare applications using camera and radio frequency-based monitoring, from clinical care to home care, to sport training and automotive, such as patient/neonatal monitoring in intensive care units, general wards, emergency department triage, MR/CT cardiac and respiratory gating, sleep centers, baby/elderly care, fitness cardio training, driver monitoring in automotive settings, and more. This book will be an important educational source for biomedical researchers, AI healthcare researchers, computer vision researchers, wireless-sensing researchers, doctors/clinicians, physicians/psychologists, and medical equipment manufacturers. Includes various contactless vital signs monitoring techniques, such as optical-based, radar-based, WiFi-based, RFID-based, and acoustic-based methods. Presents a thorough introduction to the measurement principles, methodologies, healthcare applications, hardware set-ups, and systems for contactless measurement of vital signs using camera or RF sensors. Presents the opportunities for the fusion of camera and RF sensors for contactless vital signs monitoring and healthcare.

97 THINGS EVERY SCRUM PRACTITIONER SHOULD KNOW

COLLECTIVE WISDOM FROM THE EXPERTS

[O'Reilly Media, Inc.](#) Improve your understanding of Scrum through the proven experience and collected wisdom of experts around the world. Based on real-life experiences, the 97 essays in this unique book provide a wealth of knowledge and expertise from established practitioners who have dealt with specific problems and challenges with Scrum. You'll find out more about the rules and roles of this framework, as well as tactics, strategies, specific patterns to use with Scrum, and stories from the trenches. You'll also gain insights on how to apply, tune, and tweak Scrum for your work. This guide is an ideal resource for people new to Scrum and those who want to assess and improve their understanding of this framework. "Scrum Is Simple. Just Use It As Is.," Ken Schwaber "The 'Standing Meeting,'" Bob Warfield "Specialization Is for Insects," James O. Coplien "Scrum Events Are Rituals to Ensure Good Harvest," Jasper Lamers "Servant Leadership Starts from Within," Bob Galen "Agile Is More than Sprinting," James W. Grenning

GAME ON!

VIDEO GAME HISTORY FROM PONG AND PAC-MAN TO MARIO, MINECRAFT, AND MORE

[Macmillan](#) Veteran video game designer Dustin Hansen takes readers on a fun and fascinating trip through the brief but intensely innovative history of video games in *Game On!*

DATA MINING: CONCEPTS AND TECHNIQUES

[Elsevier](#) **Data Mining: Concepts and Techniques** provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

FULL STEAM AHEAD

[Baker Books](#) When love simmers between a reclusive scientist and a wealthy debutante, will they abandon ship or is it full steam ahead? Nicole Renard returns home to Galveston, Texas, to find her father deathly ill. Though she loves him, Nicole's father has always focused on what she's not. Not male. Not married. Not able to run Renard Shipping. Vowing to find a suitable husband to give her father the heir he desires before it's too late, Nicole sets out with the Renard family's greatest treasure as her dowry: the highly coveted Lafitte Dagger. But her father's rivals come after the dagger, forcing a change in Nicole's plans. After a boiler explosion aboard the Louisiana nearly took his life, Darius Thornton has been a man obsessed. He will do anything to stop even one more steamship disaster. Even if it means letting a female secretary into his secluded world. Nicole is determined not to let her odd employer scare her off with his explosive experiments, yet when respect and mutual attraction grow between them, a new fear arises. How can she acquire an heir for her father when her heart belongs to another? And when her father's rivals discover her hiding place, will she have to choose between that love and her family's legacy?

MAKERS AT SCHOOL, EDUCATIONAL ROBOTICS AND INNOVATIVE LEARNING ENVIRONMENTS

RESEARCH AND EXPERIENCES FROM FABLEARN ITALY 2019, IN THE ITALIAN SCHOOLS AND BEYOND

[Springer Nature](#) This open access book contains observations, outlines, and analyses of educational robotics methodologies and activities, and developments in the field of educational robotics emerging from the findings presented at FabLearn Italy 2019, the international conference that brought together researchers, teachers, educators and practitioners to discuss the principles of Making and educational robotics in formal, non-formal and informal education. The editors' analysis of these extended versions of papers presented at FabLearn Italy 2019 highlight the latest findings on learning models based on Making and educational robotics. The authors investigate how innovative educational tools and methodologies can support a novel, more effective and more inclusive learner-centered approach to education. The following key topics are the focus of discussion: Makerspaces and Fab Labs in schools, a maker approach to teaching and learning; laboratory teaching and the maker approach, models, methods and instruments; curricular and non-curricular robotics in formal, non-formal and informal education; social and assistive robotics in education; the effect of innovative spaces and learning environments on the innovation of teaching, good practices and pilot projects.

GAME CODING COMPLETE

Takes programmers through the complete process of developing a professional quality game, covering a range of topics such as the key "gotcha" issues that could trip up even a veteran programmer, game interface design, game audio, and game engine technolog

ABOUT FACE 3

THE ESSENTIALS OF INTERACTION DESIGN

[John Wiley & Sons Incorporated](#) Aimed at software developers, this book proposes the creation of a new profession of software design. The examples in the text are updated to reflect new platforms along with additional case studies where appropriate.

ROS ROBOTICS BY EXAMPLE

[Packt Publishing Ltd](#) Bring life to your robot using ROS robotic applications About This Book This book will help you boost your knowledge of ROS and give you advanced practical experience you can apply to your ROS robot platforms This is the only book that offers you step-by-step instructions to solidify your ROS understanding and gain experience using ROS tools From eminent authors, this book offers you a plethora of fun-filled examples to make your own quadcopter, turtlebot, and two-armed robots Who This Book Is For If you are a robotics developer, whether a hobbyist, researchers or professional, and are interested in learning about ROS through a hands-on approach, then this book is for you. You are encouraged to have a working knowledge of GNU/Linux systems and Python. What You Will Learn Get to know the fundamentals of ROS and apply its concepts to real robot examples Control a mobile robot to navigate autonomously in an environment Model your robot designs using URDF and Xacro, and operate them in a ROS Gazebo simulation Control a 7 degree-of-freedom robot arm for visual servoing Fly a quadcopter to autonomous waypoints Gain working knowledge of ROS tools such as Gazebo, rviz, rqt, and Move-It Control robots with mobile devices and controller boards In Detail The visionaries who created ROS developed a framework for robotics centered on the commonality of robotic systems and exploited this commonality in ROS to expedite the development of future robotic systems. From the fundamental concepts to advanced practical experience, this book will provide you with an incremental knowledge of the ROS framework, the backbone of the robotics evolution. ROS standardizes many layers of robotics functionality from low-level device drivers to process control to message passing to software package management. This book provides step-by-step examples of mobile, armed, and flying robots, describing the ROS implementation as the basic model for other robots of these types. By controlling these robots, whether in simulation or in reality, you will use ROS to drive, move, and fly robots using ROS control. Style and approach This is an easy-to-follow guide with hands-on examples of ROS robots, both real and in simulation.
