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In this companion to his best-selling book, Singleton presents first-person vignettes and a detailed case study showing educators how to usher in courageous conversations to ignite systemic transformation.

Documents the 1952 Coast Guard mission to save the crews of two oil tankers that were torn in half by the force of one of New England's worst nor'easters.

The design process of embedded systems has changed substantially in recent years. One of the main reasons for this change is the pressure to shorten time-to-market when designing digital systems. To shorten the product cycles, programmable processes are used to implement more and more functionality of the embedded system. Therefore, nowadays, embedded systems are very often implemented by heterogeneous systems consisting of ASICs, processors, memories and peripherals. As a consequence, the research topic of hardware/software co-design, dealing with the problems of designing these heterogeneous systems, has gained great importance.

Hardware/Software Co-design for Data Flow Dominated Embedded Systems introduces the different tasks of hardware/software co-design including system specification, hardware/software partitioning, co-synthesis and co-simulation. The book summarizes and classifies state-of-the-art co-design tools and methods for these tasks. In addition, the co-design tool COOL is presented which solves the co-design tasks for the class of data-flow dominated embedded systems. In Hardware/Software Co-design for Data Flow Dominated Embedded Systems the primary emphasis has been put on the hardware/software partitioning and the co-synthesis phase and their coupling. In contrast to many other publications in this area, a mathematical formulation of the hardware/software partitioning problem is given. This problem formulation supports target architectures consisting of multiple processors and multiple ASICs. Several novel approaches are presented and compared for solving the partitioning problem, including an MILP approach, a heuristic solution and an approach based on genetic algorithms. The co-synthesis phase is based on the idea of controlling the system by means of a static run-time scheduler implemented in hardware. New algorithms are introduced which generate a complete set of hardware and software specifications required to implement heterogeneous systems. All of these techniques are described in detail and exemplified. Hardware/Software Co-design for Data Flow Dominated Embedded Systems is intended to serve students and researchers working on hardware/software co-design. At the same time the variety of presented techniques automating the design tasks of hardware/software systems will be of interest to industrial engineers and designers of digital systems. From the foreword by Peter Marwedel: Niemann's method should be known by all persons working in the field. Hence, I recommend this book for everyone who is interested in hardware/software co-design.

Written by a long-standing practitioner in the field, this timely and critical work is your best source for understanding all the complex issues and requirements associated with corporate compliance. It provides clear guidance for those charged with protecting their companies from financial and reputational risk, litigation, and government intervention, who want a robust guide to establish an effective compliance program.

The history of the American Ranger is a long and colorful saga of courage, daring, and outstanding leadership. It is a story of men whose skills in the art of fighting have seldom been surpassed. The United States Army Rangers are an elite military formation that has existed, in some form or another, since the American Revolution. A group of highly-trained and well-organized soldiers, US Army Rangers must be prepared to handle any number of dangerous, life-threatening situations at a moment's notice-and they must do so calmly and decisively. This is their handbook. Packed with down-to-earth, practical information, The Ranger Handbook contains chapters on Ranger leadership, battle drills, survival, and first aid, as well as sections on military mountaineering, aviation, waterborne missions, demolition, reconnaissance and communications. If you want to be prepared for anything, this is the book for you. Readers interested in related titles from The U.S. Army will also want to see: Army Guerrilla Warfare Handbook (ISBN: 9781626542730) Army Guide to Boobytraps (ISBN: 9781626544703) Army Improvised Munitions Handbook (ISBN: 9781626542679) Army Leadership Field Manual FM 22-100 (ISBN: 9781626544291) Army M-1 Garand Technical Manual (ISBN: 9781626543300) Army Physical Readiness Training with Change FM 7-22 (ISBN: 9781626544017) Army Special Forces Guide to Unconventional Warfare (ISBN: 9781626542709) Army Survival Manual FM 21-76 (ISBN: 9781626544413) Army/Marine Corps Counterinsurgency Field Manual (ISBN: 9781626544246) Map Reading and Land Navigation FM 3-25.26 (ISBN: 9781626542983) Rigging Techniques, Procedures, and Applications FM 5-125 (ISBN: 9781626544338) Special Forces Sniper Training and Employment FM 3-05.222 (ISBN: 9781626544482) The Infantry Rifle Platoon and Squad FM 3-21.8 / 7-8 (ISBN: 9781626544277) Understanding Rigging (ISBN: 9781626544673)

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A vital resource for pilots, instructors, and students, from the most trusted source of aeronautic information.

The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

This book presents all the publicly available questions from the PISA surveys. Some of these questions were used in the PISA 2000, 2003 and 2006 surveys and others were used in developing and trying out the assessment.

Research confirms that the teacher makes the greatest difference in the learning success of students, so it's important that new teachers get off to a strong start. With help from veteran teacher and mentor Gini Cunningham, inexperienced teachers can better understand and successfully tackle the many daily challenges they will face in the classroom: * Setting up classroom procedures and managing class time * Coordinating standards, curriculum, and textbooks * Developing manageable lesson and unit plans * Handling discipline problems and engaging students in learning * Using effective assessment practices and monitoring student achievement Teaching is a physically and emotionally demanding career, but Cunningham's practical advice and memorable anecdotes will help teachers prepare for and enjoy their work--even on the most difficult days. And administrators can use this accessible guide to support new professionals and avoid early burnout. The New Teacher's Companion is a valuable resource for any teacher who wants the classroom to be a rich and rewarding place for teachers and students alike.

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The Microsoft Technology Associate certification (MTA) curriculum helps instructors teach and validate fundamental technology concepts with a foundation for students' careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. This MTA text covers the following HTML5 Application vital fundamental skills: • Manage the Application Life Cycle • Build the User Interface by Using HTML5 • Format the User Interface by Using CSS • Code by Using JavaScript Click here to learn more about the Microsoft Technology Associate (MTA), a new and innovative certification track designed to provide a pathway for future success in technology courses and careers.

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

February issue includes Appendix entitled Directory of United States Government periodicals and subscription

publications; September issue includes List of depository libraries; June and December issues include semiannual index
Everyone gets 168 hours a week, but it never feels like enough, does it? Work gobbles up the lion's share--many professionals are working as much as 70 hours a week--leaving less and less for rest, exercise, family, and friends. You know, all those things that make life great. Most people think productivity is about finding or saving time. But it's not. It's about making our time work for us. Just imagine having free time again. It's not a pipe dream. In *Free to Focus*, New York Times bestselling author Michael Hyatt reveals to readers nine proven ways to win at work so they are finally free to succeed at the rest of life--their health, relationships, hobbies, and more. He helps readers redefine their goals, evaluate what's working, cut out the nonessentials, focus on the most important tasks, manage their time and energy, and build momentum for a lifetime of success.

"This book by Lisa Tauxe and others is a marvelous tool for education and research in Paleomagnetism. Many students in the U.S. and around the world will welcome this publication, which was previously only available via the Internet. Professor Tauxe has performed a service for teaching and research that is utterly unique."—Neil D. Opdyke, University of Florida

This book is for leaders and managers looking to develop themselves and others. It is for training & development professionals, inside or working as independent consultants, who can use the book as a coaching tool, a blueprint for leader development plans, and in other ways. For leaders concerned with their development, dedicated to developing their people for more responsibilities, and committed to organizational sustainability, this book will help in those efforts.

Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured.

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