

## Web Edas Guide

Improving Business Agility with EDA Going beyond SOA, enterprises can gain even greater agility by implementing event-driven architectures (EDAs) that automatically detect and react to significant business events. However, EDA planning and deployment is complex, and even experienced SOA architects and developers need expert guidance. In Event-Driven Architecture, four leading IT innovators present both the theory of EDA and practical, step-by-step guidance to implementing it successfully. The authors first establish a thorough and workable definition of EDA and explore how EDA can help solve many of today's most difficult business and IT challenges. You'll learn how EDAs work, what they can do today, and what they might be able to do as they mature. You'll learn how to determine whether an EDA approach makes sense in your environment and how to overcome the difficult interoperability and integration issues associated with successful deployment. Finally, the authors present chapter-length case studies demonstrating how both full and partial EDA implementations can deliver exceptional business value. Coverage includes How SOA and Web services can power event-driven architectures The role of SOA infrastructure, governance, and security in EDA environments EDA core components: event consumers and producers, message backbones, Web service transport, and more EDA patterns, including simple event processing, event stream processing, and complex event processing Designing flexible stateless events that can respond to unpredictable customers, suppliers, and business partners Addressing technical and business challenges such as project management and communication EDA at work: real-world applications across multiple verticals Hugh Taylor is a social software evangelist for IBM

Lotus Software. He coauthored Understanding Enterprise SOA and has written extensively on Web services and SOA. He holds an MBA from Harvard Business School. Angela Yochem is an executive in a multinational technology company and is a recognized thought leader in architecture and large-scale technology management. Les Phillips, VP, enterprise architecture, at SunTrust Banks Inc., is responsible for defining the strategic and business IT foundation for many areas of the enterprise. Frank Martinez, EVP, product strategy, at SOA Software, is a recognized expert on distributed, enterprise application, and infrastructure platforms. He has served as senior operating executive for several venture-backed firms and helped build Intershop Communications into a multibillion-dollar public company.

The present book includes a set of selected papers from the seventh "International Conference on Informatics in Control Automation and Robotics" (ICINCO 2010), held in Madeira, Portugal, from 15 to 18 June 2010. The conference was organized in three simultaneous tracks: "Intelligent Control Systems and Optimization", "Robotics and Automation" and "Signal Processing, Systems Modeling and Control". The book is based on the same structure. ICINCO received 320 paper submissions, not including those of workshops or special sessions, from 57 countries, in all continents. After a double blind paper review performed by the Program Committee only 27 submissions were accepted as full papers and thus selected for oral presentation, leading to a full paper acceptance ratio of 8%. Additional papers were accepted as short papers and posters. A further refinement was made after the conference, based also on the assessment of presentation quality, so that this book includes the extended and revised versions of the very best papers of ICINCO 2010. Commitment to high quality standards is a major concern of ICINCO that will be maintained in the next editions of this

conference, including not only the stringent paper acceptance ratios but also the quality of the program committee, keynote lectures, workshops and logistics.

This Army tactics, techniques, and procedures (ATTP) manual provides doctrinal guidance and procedures that will enhance the delivery of human resources (HR) support in brigade and battalion S-1 sections. It will help HR leaders to guide actions and provide procedures to enable decision making. This publication is nested with Field Manual (FM) 1-0, Human Resources Support, and provides overarching doctrinal guidance and direction for conducting S-1 operations. ATTP 1-0.1 promotes a common understanding of HR support fundamentals at battalion, brigade, or brigade equivalent level S-1 sections throughout the Army Force Generation (ARFORGEN) cycle. This manual, along with FM 1-0, provides sufficient information to allow for execution of all required HR missions and functions dictated by current operational requirements and anticipated future actions. ATTP 1-0.1 provides the doctrinal base for developing operations plans (OPLANs) and associated standing operating procedures (SOPs). Leaders and HR operators at all levels must apply these fundamentals using the military decision-making process (MDMP); troop leading procedures; and mission, enemy, terrain and weather, troops and support available, time available, civil considerations (METT-TC). This publication is an authoritative guide that requires judgment in application. ATTP 1-0.1 was previously published as Field Manual Interim 1-0.1 to address the Army's HR transformation concept and the transition to Personnel Services Delivery Redesign (PSDR), which transferred and consolidated HR functions at brigade and battalion-level. This transition supported Army transformation from large, powerful fixed organizations, typically a division, to a brigade-centric design based on smaller, more self-contained organizations. Likewise, the

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S-1 structure was enhanced to support S-1 operations throughout all force pools of ARFORGEN, and S-1s now have the capabilities and resources to plan, coordinate, and execute all HR support core competencies and their subordinate key functions and tasks. HR transformation will impact S-1 sections as strategic objectives, structures, and processes change. These changes include—Reshaping HR processes and business practices; Using technology to apply a relevant, reliable, and achievable multi-component HR system; Realigning Army HR structures to meet needs and capabilities; Revising doctrine and training to integrate best practices and lessons learned; Delivering and executing HR service functions as close to Soldiers as possible; Continuing to build on the ability to provide support from home station. While the focus of this manual is on S-1 sections assigned to modified table of organization and equipment (MTOE) units, it also applies to tables of distribution and allowances (TDA) organizations and the support agencies (Installation Management Command [IMCOM]). IMCOM HR support to MTOE units in garrison is limited. Regardless of the type of organization or whether the unit is deployed or not deployed, providing effective and efficient HR support relies on trained HR professionals at all levels that can coordinate necessary HR support when needed.

This text explains and synthesizes the functioning and relationships of numerous Defense, Joint, and Army organizations, systems, and processes involved in the development and sustainment of trained and ready forces for the Combatant Commanders. It is designed to be used by the faculty and students at the U.S. Army War College (as well as other training and educational institutions) as they improve their knowledge and understanding of "How the Army Runs." We are proud of the value that senior commanders and staffs place in this text and are

pleased to continue to provide this reference.

Test Prep Books' ACS General Chemistry Study Guide: Test Prep and Practice Test Questions for the American Chemical Society General Chemistry Exam [Includes Detailed Answer Explanations] Made by Test Prep Books experts for test takers trying to achieve a great score on the ACS General Chemistry exam. This comprehensive study guide includes: Quick Overview Find out what's inside this guide! Test-Taking Strategies Learn the best tips to help overcome your exam! Introduction Get a thorough breakdown of what the test is and what's on it! Atomic Structure Electronic Structure Formula Calculations and the Mole Stoichiometry Solutions and Aqueous Reactions Heat and Enthalpy Structure and Bonding States of Matter Kinetics Equilibrium Acids and Bases Solubility Equilibria Electrochemistry Nuclear Chemistry Practice Questions Practice makes perfect! Detailed Answer Explanations Figure out where you went wrong and how to improve! Studying can be hard. We get it. That's why we created this guide with these great features and benefits: Comprehensive Review: Each section of the test has a comprehensive review created by Test Prep Books that goes into detail to cover all of the content likely to appear on the test. Practice Test Questions: We want to give you the best practice you can find. That's why the Test Prep Books practice questions are as close as you can get to the actual ACS General Chemistry test. Answer Explanations: Every single problem is followed by an answer explanation. We know it's frustrating to miss a question and not understand why. The answer explanations will help you learn from your mistakes. That way, you can avoid missing it again in the future. Test-Taking Strategies: A test taker has to understand the material that is being covered and be familiar with the latest test taking strategies. These strategies are necessary to properly use the time provided. They also help

test takers complete the test without making any errors. Test Prep Books has provided the top test-taking tips. Customer Service: We love taking care of our test takers. We make sure that you interact with a real human being when you email your comments or concerns. Anyone planning to take this exam should take advantage of this Test Prep Books study guide.

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Developing countries lose billions each year through bribery, misappropriation of funds, and other corrupt practices. Much of the proceeds of this corruption find 'safe haven' in the world's financial centers. These criminal flows are a drain on social services and economic development programs, contributing to the impoverishment of the world's poorest countries. Many developing countries have already sought to recover stolen assets. A number of successful high-profile cases with creative international cooperation has demonstrated that asset recovery is possible. However, it is highly complex, involving coordination and collaboration with domestic agencies and ministries in multiple jurisdictions, as well as the capacity to trace and secure assets and pursue various legal options—whether criminal confiscation, non-conviction based confiscation, civil actions, or other alternatives. This process can be overwhelming for even the most experienced practitioners. It is exceptionally difficult for those working in the context of failed states, widespread corruption, or limited resources. With this in mind, the Stolen Asset Recovery (StAR) Initiative has developed and updated this Asset Recovery Handbook: A Guide for Practitioners to assist those grappling with the strategic, organizational, investigative, and legal challenges of recovering stolen assets. A practitioner-led project, the Handbook provides common approaches to recovering

stolen assets located in foreign jurisdictions, identifies the challenges that practitioners are likely to encounter, and introduces good practices. It includes examples of tools that can be used by practitioners, such as sample intelligence reports, applications for court orders, and mutual legal assistance requests. StAR—the Stolen Asset Recovery Initiative—is a partnership between the World Bank Group and the United Nations Office on Drugs and Crime that supports international efforts to end safe havens for corrupt funds. StAR works with developing countries and financial centers to prevent the laundering of the proceeds of corruption and to facilitate more systematic and timely return of stolen assets.

This book will help those wishing to teach a course in technical writing, or who wish to write themselves.

Genetic programming (GP) is a systematic, domain-independent method for getting computers to solve problems automatically starting from a high-level statement of what needs to be done. Using ideas from natural evolution, GP starts from an ooze of random computer programs, and progressively refines them through processes of mutation and sexual recombination, until high-fitness solutions emerge. All this without the user having to know or specify the form or structure of solutions in advance. GP has generated a plethora of human-competitive results and applications, including novel scientific discoveries and patentable inventions. This unique overview of this exciting technique is written by three of the most active scientists in GP. See [www.gp-field-guide.org.uk](http://www.gp-field-guide.org.uk) for more information on the book.

Randomized algorithms have become a central part of the algorithms curriculum, based on their increasingly widespread use in modern applications. This book presents a coherent and unified treatment of probabilistic techniques for obtaining high probability estimates on the

performance of randomized algorithms. It covers the basic toolkit from the Chernoff–Hoeffding bounds to more sophisticated techniques like martingales and isoperimetric inequalities, as well as some recent developments like Talagrand's inequality, transportation cost inequalities and log-Sobolev inequalities. Along the way, variations on the basic theme are examined, such as Chernoff–Hoeffding bounds in dependent settings. The authors emphasise comparative study of the different methods, highlighting respective strengths and weaknesses in concrete example applications. The exposition is tailored to discrete settings sufficient for the analysis of algorithms, avoiding unnecessary measure-theoretic details, thus making the book accessible to computer scientists as well as probabilists and discrete mathematicians.

The two-volume set LNCS 8547 and 8548 constitutes the refereed proceedings of the 14th International Conference on Computers Helping People with Special Needs, ICCHP 2014, held in Paris, France, in July 2014. The 132 revised full papers and 55 short papers presented were carefully reviewed and selected from 362 submissions. The papers included in the second volume are organized in the following topical sections: tactile graphics and models for blind people and recognition of shapes by touch; mobility support and accessible tourism; smart and assistive environments: ambient assisted living (AAL); text entry for accessible computing; people with motor and mobility disabilities: AT and accessibility; assistive technology: service and practice; ICT-based learning technologies for disabled and non-disabled people; universal learning design: methodology; universal learning design: hearing impaired and deaf people; universal learning design: sign language in education; sign language transcription, recognition and generation; universal learning design: accessibility and AT; differentiation, individualisation and influencing factors in ICT-assisted learning for people with special needs; developing

accessible teaching and learning materials within a user centred design framework and using mobile technologies to support individuals with special needs in educational environments. The two-volume set LNCS 8796 and 8797 constitutes the refereed proceedings of the 13th International Semantic Web Conference, ISWC 2014, held in Riva del Garda, in October 2014. The International Semantic Web Conference is the premier forum for Semantic Web research, where cutting edge scientific results and technological innovations are presented, where problems and solutions are discussed, and where the future of this vision is being developed. It brings together specialists in fields such as artificial intelligence, databases, social networks, distributed computing, Web engineering, information systems, human-computer interaction, natural language processing, and the social sciences. Part 1 (LNCS 8796) contains a total of 38 papers which were presented in the research track. They were carefully reviewed and selected from 180 submissions. Part 2 (LNCS 8797) contains 15 papers from the 'semantic Web in use' track which were accepted from 46 submissions. In addition, it presents 16 contributions of the RBDS track and 6 papers of the doctoral consortium.

Software development today is embracing events and streaming data, which optimizes not only how technology interacts but also how businesses integrate with one another to meet customer needs. This phenomenon, called flow, consists of patterns and standards that determine which activity and related data is communicated between parties over the internet. This book explores critical implications of that evolution: What happens when events and data streams help you discover new activity sources to enhance existing businesses or drive new markets? What technologies and architectural patterns can position your company for opportunities enabled by flow? James Urquhart, global field CTO at VMware, guides enterprise

architects, software developers, and product managers through the process. Learn the benefits of flow dynamics when businesses, governments, and other institutions integrate via events and data streams Understand the value chain for flow integration through Wardley mapping visualization and promise theory modeling Walk through basic concepts behind today's event-driven systems marketplace Learn how today's integration patterns will influence the real-time events flow in the future Explore why companies should architect and build software today to take advantage of flow in coming years

### Publisher Description

Les performances web côté client (ou WebPerf) consistent notamment à optimiser le code des pages web pour qu'elles soient plus légères et s'affichent plus vite dans le navigateur. Cette problématique qui passionne les développeurs web devient d'autant plus forte avec l'avènement du mobile. En l'absence d'ouvrage complet en français sur le sujet, ce mémento expose les points essentiels. Il explique au lecteur comment faire des mesures en présentant les outils incontournables, mais surtout les bonnes pratiques et les règles à respecter (classées par ordre de priorité), ainsi que les méthodes et outils pour y arriver. Enfin, il donne des ressources pour aller plus loin.

Making education and career connections.

This book discusses an integrative approach combining Human Factors expertise with Automotive Engineering. It develops an in-depth case study of designing a fuel-efficient driving intervention and offers an examination of an innovative study of feed-forward eco-driving advice. Assisted Eco-Driving: A Practical Guide to the Design and Testing of an Eco-Driving Assistance System offers an examination of an innovative study of feed-forward eco-driving

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advice based on current vehicle and road environment status. It presents lessons, insights and utilises a documented scientific and research-led approach to designing novel speed advisory and fuel use minimisation systems suitable for combustion vehicles, hybrids and electric vehicles. The audience consists of system designers and those working with interfaces and interactions, UX, human factors and ergonomics and system engineering. Automotive academics, researchers, and practitioners will also find this book of interest.

Provides information on hotels, restaurants, driving and walking tours, shopping and sightseeing, and nighttime entertainment

Examines libraries and the many resources they have to offer, print, audiovisual, and online, and explains how to use them.

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.

Handbook of Research on 5G Networks and Advancements in Computing, Electronics, and Electrical Engineering | IGI Global

The information gap regarding quality & quantity of environmental data & information remains great between developed & developing countries & countries with economic transition. This Guide will assist users in locating worldwide

information sources on environment & sustainable development that are available on CD-ROM & the Internet. The information presented is in two sections - subject & country. Three indexes are provided - subject headings, a narrower subject index & a title index. Entries appear only once in the book. Each entry gives the name of the source of information; mailing & e-mail addresses; telephone & fax numbers; & the type of information available. The CD-ROM information and/or Internet location are given. This Guide also offers guidelines on how to use the Internet.

This book covers multi-band Galileo receivers (especially E1-E5 bands of Galileo) and addresses all receiver building blocks, from the antenna and front end, through details of the baseband receiver processing blocks, up to the navigation processing, including the Galileo message structure and Position, Velocity, Time (PVT) computation. Moreover, hybridization solutions with communications systems for improved localization are discussed and an open-source GNSS receiver platform (available for download) developed at Tampere University of Technology (TUT) is addressed in detail.

The advent of the emerging fifth generation (5G) networks has changed the paradigm of how computing, electronics, and electrical (CEE) systems are interconnected. CEE devices and systems, with the help of the 5G technology,

can now be seamlessly linked in a way that is rapidly turning the globe into a digital world. Smart cities and internet of things have come to stay but not without some challenges, which must be discussed. The Handbook of Research on 5G Networks and Advancements in Computing, Electronics, and Electrical Engineering focuses on current technological innovations as the world rapidly heads towards becoming a global smart city. It covers important topics such as power systems, electrical engineering, mobile communications, network, security, and more. This book examines vast types of technologies and their roles in society with a focus on how each works, the impacts it has, and the future for developing a global smart city. This book is ideal for both industrial and academic researchers, scientists, engineers, educators, practitioners, developers, policymakers, scholars, and students interested in 5G technology and the future of engineering, computing, and technology in human society.

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