Research Paper Software

Requirements Engineering: Foundation for Software QualityResearch Methods in Software EngineeringSoftware BusinessSoftware Engineering Research, Management and Applications 2010Software Performance and ScalabilityThe Future of Software EngineeringAgile Processes in Software Engineering and Extreme ProgrammingSoftware, Growth, and the Future of the U.S EconomySoftware Engineering Research, Management and Applications 2009Scientific and Technical Aerospace ReportsProduct Focused Software Process ImprovementProduct-Focused Software Process ImprovementSystems, Software and Services Process ImprovementRequirements Engineering: Foundation for Software QualityModel Checking SoftwareHuman-Centered Software EngineeringSoftware Engineering Research, Management and Applications 2011Issues in Software Research, Design, and Application: 2013 EditionGlobal Trends in Information Systems and Software ApplicationsAgile Processes in Software Engineering and Extreme ProgrammingSoftware Engineering Research, Management and ApplicationsEngineering and Managing Software RequirementsQualitative Research Design for Software UsersSoftware BusinessHandbook of Research on Social Software and Developing Community OntologiesSoftware ArchitectureCulture's SoftwareStudent Guide to Research in the Digital AgeWriting an A+ Research Paper: A Roadmap for Beginning and Experienced WritersSoftware Engineering for Self-Adaptive SystemsSoftware ArchitectureFundamental Approaches to Software EngineeringSoftware Process ChangeHandbook of Research on Modern Systems Analysis and Design Technologies and ApplicationsQualitative Research: Analysis Types and Software2014 International Conference on Artificial Intelligence and Software Engineering(AISE2014)Software Engineering Research and ApplicationsFundamental Approaches to Software EngineeringWriting a Research PaperSoftware Engineering Research, Management and Applications 2012

Requirements Engineering: Foundation for Software Quality

The 6th ACIS International Conference on Software Engineering, Research, Management and Applications (SERA 2008) was held in Prague in the Czech Republic on August 20 – 22. SERA ’08 featured excellent theoretical and practical contributions in the areas of formal methods and tools, requirements engineering, software process models, communication systems and networks, software quality and evaluation, software engineering, networks and mobile computing, parallel/distributed computing, software testing, reuse and metrics, database retrieval, computer security, software architectures and modeling. Our conference officers selected the best 17 papers from those papers accepted for presentation at the conference in order to publish them in this volume. The papers were chosen based on review scores submitted by members or the program committee, and underwent further rounds of rigorous review.

Research Methods in Software Engineering

This book constitutes the refereed proceedings of the 5th International Conference on Product Focused Software Process Improvement, PROFES 2004, held in Kansai Science City, Japan in April 2004. The 41 revised full papers presented were carefully reviewed and selected and constitute a balanced mix of academic and industrial aspects. The papers are organized in topical sections on software process improvement, software quality, measurement, methods and tools, experimental software engineering, industrial experiences, agile methods, software process assessment, requirements engineering, and software reuse and COTS.

Software Business

This book focuses on defining the achievements of software engineering in the past decades and showcasing visions for the future. It features a collection of articles by some of the most prominent researchers and technologists who have shaped the field: Barry Boehm, Manfred Broy, Patrick Cousot, Erich Gamma, Yuri Gurevich, Tony Hoare, Michael A. Jackson, Rustan Leino, David L. Parnas, Dieter Rombach, Joseph Sifakis, Niklaus Wirth, Pamela Zave, and Andreas Zeller. The contributed articles reflect the authors‘ individual views on what constitutes the most important issues facing software development. Both research- and technology-oriented contributions are included. The book provides at the same time a record of a symposium held at ETH Zurich on the occasion of Bertrand Meyer‘s 60th birthday.

Software Engineering Research, Management and Applications 2010

Software Performance and Scalability

This book constitutes the refereed proceedings of the 14th International Conference on Fundamental Approaches to Software Engineering, FASE 2011, held in Saarbrücken, Germany, March 26—April 3, 2011, as part of ETAPS 2011, the European Joint Conferences on Theory and Practice of Software. The 29 revised full papers presented together with one full length invited talk were carefully reviewed and selected from 99 full paper submissions. The papers are organized in topical sections on verification, specification and modeling, reachability and model checking, model driven engineering, software development for QoS, testing: theory and new trends, testing in practice, code development and analysis, and empirical studies.

The Future of Software Engineering

This book constitutes the refereed proceedings of the 17th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2011, held in Essen, Germany, in March 2011. The 10 revised full papers and the 9 short papers presented were carefully reviewed and selected from 59 submissions. The papers are organized in seven topical sections on security and sustainability; process improvement and requirements in context; elicitation; models; services; embedded and real-time systems; and prioritization and traceability.

Agile Processes in Software Engineering and Extreme Programming

This volume constitutes the refereed proceedings of the 24th EuroSPI conference, held in Ostrava, Czech Republic, in September 2017.The 56 revised full papers presented were carefully reviewed and selected from 97 submissions. They are organized in topical sections on SPI and VSEs, SPI and process models, SPI and safety, SPI and project management, SPI and implementation, SPI issues, SPI and automotive, selected key notes and workshop papers, GamifySPI, SPI in Industry 4.0, best practices in implementing traceability, good and bad practices in improvement, safety and security, experiences with agile and lean, standards and assessment models, team skills and diversity strategies.

Software, Growth, and the Future of the U.S Economy

The 7th ACIS International Conference on Software Engineering Research, Management and Applications (SERA 2009) was held on Hainan Island, China from December 2 – 4. SERA ’09 featured excellent theoretical and practical contributions in the areas of formal methods and tools, requirements engineering, software process models, communication systems and networks, software quality and evaluation, software engineering, networks and mobile computing, parallel/distributed computing, software testing, reuse and metrics, database retrieval, computer security, software architectures and modeling. Our conference officers selected the best 17 papers from those papers accepted for presentation at the conference in order to publish them in this volume. The papers were chosen based on review scores submitted by members or the program committee, and underwent further rigorous rounds of review.

Software Engineering Research, Management and Applications 2009

Praise from the Reviewers: "The practicality of the subject in a real-world situation distinguishes this book from others available on the market." —Professor Behrouz Far, University of Calgary "This book could replace the computer organization texts now in use that every CS and CpE student must take. . . . It is much needed, well written, and thoughtful." —Professor Larry Bernstein, Stevens Institute of Technology A distinctive, educational text onsoftware performance and scalability This is the first book to take a quantitative approach to the subject of software performance and scalability. It brings together

three unique perspectives to demonstrate how your products can be optimized and tuned for the best possible performance and scalability: The Basics—introduces the computer hardware and software architectures that predetermine the performance and scalability of a software product as well as the principles of measuring the performance and scalability of a software product Queuing Theory—helps you learn the performance laws and queuing models for interpreting the underlying physics behind software performance and scalability, supplemented with ready-to-apply techniques for improving the performance and scalability of a software system API Profiling—shows you how to design more efficient algorithms and achieve optimized performance and scalability, aided by adopting an API profiling framework (perfBasic) built on the concept of a performance map for drilling down performance root causes at the API level Software Performance and Scalability gives you a specialized skill set that will enable you to design and build performance into your products with immediate, measurable improvements. Complemented with real-world case studies, it is an indispensable resource for software developers, quality and performance assurance engineers, architects, and managers. It is anideal text for university courses related to computer and software performance evaluation and can also be used to supplement a course in computer organization or in queuing theory for upper-division and graduate computer science students.

Scientific and Technical Aerospace Reports

This book constitutes the refereed proceedings of the 12 International Conference on Product-Focused Software Process Improvement, PROFES 2011, held in Torre Canne, Italy, in June 2011. The 24 revised full papers presented together with the abstracts of 2 keynote addresses were carefully reviewed and selected from 54 submissions. The papers are organized in topical sections on agile and lean practices, cross-model quality improvement, global and competitive software development, managing diversity, product and process measurements, product-focused software process improvement, requirement process improvement, and software process improvement.

Product Focused Software Process Improvement

This book constitutes the proceedings of the 7th European Conference on Software Architecture, ECSA 2013, held in Montpellier, France, in July 2013. The 25 full papers and 11 poster papers presented in this volume were carefully reviewed and selected from a total of 82 submissions. The contributions are organized in topical sections named: architectural and design patterns and models; ADLs and architectural MetaModels; architectural design decision-making; software architecture conformance and quality; and architectural repair and adaptation.

Product-Focused Software Process Improvement

"This book provides a compendium of terms, definitions, and explanations of concepts in various areas of systems and design, as well as a vast collection of cutting-edge research articles from the field's leading experts"--Provided by publisher.

Systems, Software and Services Process Improvement

The SPIN workshop series brings together researchers and practitioners int- ested in explicit state model checking technology as it is applied to the veri?- tion of software systems. Since 1995, when the SPIN workshop series was instigated, SPIN workshops have been held on an annual basis at Montr´ eal (1995), New Brunswick (1996), Enschede (1997), Paris (1998), Trento (1999), Toulouse (1999), Stanford (2000), andToronto(2001). Whilethe?rstSPINworkshopwasastand-aloneevent,later workshopshavebeenorganizedasmoreorlesscloselya?liatedeventswithlarger conferences, in particular with CAV (1996), TACAS (1997), FORTE/PSTV (1998), FLOC (1999), World Congress on Formal Methods (1999), FMOODS (2000), and ICSE (2001). This year, SPIN 2002 was held as a satellite event of ETAPS 2002, the European Joint Conferences on Theory and Practice of Software. The co-location of SPIN workshops with conferences has proven to be very successful and has helped to disseminate SPIN model checking technology to wider audiences. Since 1999, the proceedings of the SPIN workshops have appeared in Springer-Verlag's "Lecture Notes in Computer Science" series. The history of successful SPIN workshops is evidence for the maturing of model checking technology, not only in the hardware domain, but increasingly also in the software area. While in earlier years algorithms and tool development 1 around the SPIN model checker were the focus of this workshop series, the scopehasrecentlywidenedtoincludemoregeneralapproachestosoftwaremodel checking. Current research in this area concentrates not so much on completely verifyingsystemmodels,butratheronanalyzingsourcecodeinordertodiscover software faults.

Requirements Engineering: Foundation for Software Quality

This 2-Volume-Set, CCIS 0269-CCIS 0270, constitutes the refereed proceedings of the International Conference on Global Trends in Computing and Communication (CCIS 0269) and the International Conference on Global Trends in Information Systems and Software Applications (CCIS 0270), ObCom 2011, held in Vellore, India, in December 2011. The 173 full papers presented together with a keynote paper and invited papers were carefully reviewed and selected from 842 submissions. The conference addresses issues associated with computing, communication and information. Its aim is to increase exponentially the participants' awareness of the current and future direction in the domains and to create a platform between researchers, leading industry developers and end users to interrelate.

Model Checking Software

The purpose of the 8th Conference on Software Engineering, Artificial Intelligence Research, Management and Applications (SERA 2010) held on May 24 – 26, 2010 in Montreal, Canada was to bring together scientists, engineers, computer users, and students to share their experiences and exchange new ideas and research results about all aspects (theory, applications and tools) of computer and information science, and to discuss the practical challenges encountered along the way and the solutions adopted to solve them. The conference organizers selected 15 outstanding papers from SERA 2010, all of which you will find in this volume of Springer's Studies in Computational Intelligence.

Human-Centered Software Engineering

This book constitutes the refereed proceedings of the 4th International Conference on Human-Centered Software Engineering, HCSE 2012, held in Toulouse, France, in October 2012. The twelve full papers and fourteen short papers presented were carefully reviewed and selected from various submissions. The papers cover the following topics: user interface design, examining the relationship between software engineering and human-computer interaction and on how to strengthen user-centered design as an essential part of software engineering process.

Software Engineering Research, Management and Applications 2011

This book constitutes the refereed proceedings of the 19th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2013, held in Essen, Germany, in April 2013. The papers are organized in 8 topical sections on requirements engineering and architecture; natural language requirements; requirements engineering and quality; traceability; requirements engineering and business/goals; requirements engineering and software development; requirements engineering in practice; product lines and product management.

Issues in Software Research, Design, and Application: 2013 Edition

This book contains the refereed proceedings of the 14th International Conference on Agile Software Development, XP 2013, held in Vienna, Austria, in June 2013. In the last decade, the interest in agile and lean software development has been continuously growing. Agile and lean have evolved from a way of working -- restricted in the beginning to a few early adopters -- to the mainstream way of developing software. All this time, the XP conference series has actively promoted agility and widely disseminated research results in this area. XP 2013 successfully continued this tradition. The 17 full papers accepted for XP 2013 were selected from 52 submissions and are organized in sections on: teaching and learning; development teams; agile practices; experiences and lessons learned; large-scale projects; and architecture and design.

Global Trends in Information Systems and Software Applications

The series Studies in Computational Intelligence (SCI) publishes new developments and advances in the various areas of computational intelligence-quickly and with a high quality. The intent is to cover the theory, applications, and design methods of computational intelligence, as embedded in the fields of engineering, computer science, physics and life science, as well as the methodologies behind them. The series contains monographs, lecture notes and edited volumes in computational intelligence spanning the areas of neural networks, connectionist systems, genetic algorithms, evolutionary computation, artificial intelligence, cellular automata, self-organizing systems, soft computing, fuzzy systems and hybrid intelligent systems. Critical to both contributors and readers are the short publication time and world-wide distribution-this permits a rapid and broad dissemination of research results. The purpose of the 10th International Conference on Software Engineering Research, Management and Applications(SERA 2012) held on May 3- June 1, 2012 in Shanghai, China was to bring together scientists, engineers, computer users, and students to share their experiences and exchange new ideas and research results about all aspects (theory, applications and tools) of Software Engineering Research, Management and Applications, and to discuss the practical challenges encountered along the way and the solutions adopted to solve them. The conference organizers selected 12 outstanding papers from those papers accepted for presentation at the conference in order to publish them in this volume. The papers were chosen based on review scores submitted by members of the program committee, and further rigorous rounds of review.

Agile Processes in Software Engineering and Extreme Programming

This book constitutes the refereed proceedings of the First joint International Software Process Workshop and the International Workshop on Software Process Simulation and Modeling, SPW/ProSim 2006, held in Shanghai, China in May 2006.The 34 revised full papers presented together with 4 keynote addresses were carefully reviewed and selected from 225 initial submissions. The papers are organized in topical sections on process tailoring and decision-support, process tools and metrics, process management, process representation, analysis and modeling, process simulation modeling, process simulation applications, and experience report.

Software Engineering Research, Management and Applications

This book constitutes the refereed proceedings of the 5th European Conference on Software Architecture, ECSA 2011, held in Essen, Germany, in September 2011. The 13 revised full papers presented together with 24 emerging research papers, and 7 research challenge poster papers were carefully reviewed and selected from over 100 submissions. The papers are organized in topical sections on requirements and software architectures; software architecture, components, and

compositions; quality attributes and software architectures; software product line architectures; architectural models, patterns and styles; short papers; process and management of architectural decisions; software architecture run-time aspects; ADLs and metamodels; and services and software architectures.

Engineering and Managing Software Requirements

"This book explores how social software and developing community ontologies are challenging the way we operate in a performative space"--Provided by publisher.

Qualitative Research Design for Software Users

Software Business

Handbook of Research on Social Software and Developing Community Ontologies

Software Architecture

This book contains the refereed proceedings of the Third International Conference on Software Business (ICSOB) held in Cambridge, MA, USA, in June 2012. The software business refers to commercial activities in the software industry, aimed at generating revenues from the design, delivery, and maintenance of software products and IT services to enterprises and individual customers, as well as from digital content. Although this business shares common features with other knowledge-intensive markets, it carries many inherent features making it a challenging domain for research. The 20 full and 10 short papers accepted for ICSOB were selected from 60 submissions and are organized in sections on software product management, organizational transformation, industry transformation, software platforms and ecosystems, and emerging trends.

Culture's Software

Issues in Software Research, Design, and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Software Research. The editors have built Issues in Software Research,

Design, and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Software Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Software Research, Design, and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Student Guide to Research in the Digital Age

2014 International Conference on Artificial Intelligence and Software Engineering(AISE2014) aims to provide a forum for accessing to the most up-to-date and authoritative knowledge from both Artificial Intelligence and Software Engineering. AISE2014 features unique mixed topics of AI Algorithms, Data Mining, Knowledge-based Systems, Software Process and so on. The goal of this conference is to bring researchers, engineers, and students to the areas of Artificial Intelligence and Software Engineering to share experiences and original research contributions on those topics. Researchers and practitioners are invited to submit their contributions to AISE2014.

Writing an A+ Research Paper: A Roadmap for Beginning and Experienced Writers

One of the most perplexing aspects of research today is what to do when there's too much information on a topic. The key, says Leslie Stebbins, is to know how to find the most promising information, evaluate it, and use it effectively. Individual chapters provide a step-by-step introduction to research and critical evaluation and specific types of information resources, as well as guidance on such skills as note-taking and referencing. Students and librarians alike will benefit from these suggestions, strategies and straightforward examples for developing good filtering instincts and management of search results.

Software Engineering for Self-Adaptive Systems

This book constitutes the proceedings of the 16th International Conference on Fundamental Approaches to Software Engineering, FASE 2013, held as part of the European Joint Conference on Theory and Practice of Software, ETAPS 2013, which took place in Rome, Italy, in March 2013. The 25 papers presented in this volume were carefully reviewed and selected from 112 submissions. They are organized in topical sections named: model-driven engineering; verification and validation; software comprehension; analysis tools; model-driven engineering: applications; model transformations; and

testing.

Software Architecture

"Di Gregorio & Davidson provide an essential guide for qualitative researchers who wish to get to grips with the potential of software packages for handling qualitative data, research design and ethical and privacy issues The authors open up new ground ... by integrating the discussion of qualitative data analysis software into the wider context of methodological practice. The authors' arguments and general approach are illustrated in an accessible and engaging manner through the use of detailed case studies of qualitative research using a range of software packages. A smooth read, crammed full of invaluable advice and 'best practice' guidelines and checklists..." Derek Layder, University of Leicester, UK This book is an essential guide for anyone using qualitative data analysis software (QDAS), particularly useful for those who want to go beyond a basic introduction to discover how to get the most out of software and how to identify the methodological issues they need to consider. The book is organized in three parts - the first part addresses the methodological issues that need to be addressed when designing qualitative research using QDAS; the second part uses case studies to demonstrate the issues and the design framework introduced in the first part. These chapters are supported by numerous screenshots illustrating the software under discussion. The last part contains practical appendices to help readers apply the framework introduced to their own research. Di Gregorio and Davidson introduce: The notion of the E-Project or electronic project as a genre A framework for representing the research design of a project in any QDAS package Ethical considerations when working in QDAS A variety of contextual issues including national and organizational differences Eight real research projects of a variety of designs and using different QDAS (ATLAS.ti, MAXqda, NVIVO, and XSight) Separate checklists for ATLAS.ti, MAXqda, NVIVO, and XSight, providing practical help in applying the research design framework presented in the book Uniquely, the book examines issues related to both academic and non-academic uses of QDAS. Qualitative Research Design for Software Users is a useful reference for upper level students, academics and researchers across a range of disciplines.

Fundamental Approaches to Software Engineering

The advancementof the softwareindustry has hada substantialimpact notonly onproductivityandonGDPgrowthglobally,butalsoonourdailyworkandlife. Software business refers to commercial activity of the software industry, aimed at generating income from delivery of software products and software services. Although software business shares common features with other international knowledge-intensive businesses, it carries many inherent features making it an intriguing and challenging domain for research. Until now, however, software business has received little attention from the academic community. The First International Conference on Software Business (ICSOB 2010) was organized in Jyv¨ askyl¨ a during June 21–23, 2010. This inaugural conference brought together a strong Program

Committee of 52 members with research disciplines from various ?elds of business management and technology mana-mentaswellasinternational?avorwithmemberscomingfrom17countriesfrom South and North America to Europe, India and Australia. Wereceived35researchpapersubmissions.Thepaperswentthroughadoub- blind review process producing at least three reviews for each accepted paper. The ProgramCommittee accepted 13 submissions to be presented as full papers in the conference, equaling 37% of the submissions. In addition, ten papers were accepted as short papers. The accepted papers represent the wide variety of - searchactivityonsoftwarebusiness.Forthepurposesoftheconferenceprogram, the papers were organized under eight themes: business models, business m- agement, ecosystems, education and research, internationalization, open source software and social media, product management, and software as a service. In addition to the paper sessions, the conference program included three keynote presentations and a Business Innovation Track containing best-practice presentations from the software industry. The conference program also included two workshops, three tutorials and an adjunct meeting of the Cloud Software Consortia.

Software Process Change

Requirements engineering is the process by which the requirements for software systems are gathered, analyzed, documented, and managed throughout their complete lifecycle. Traditionally it has been concerned with technical goals for, functions of, and constraints on software systems. Aurum and Wohlin, however, argue that it is no longer appropriate for software systems professionals to focus only on functional and non-functional aspects of the intended system and to somehow assume that organizational context and needs are outside their remit. Instead, they call for a broader perspective in order to gain a better understanding of the interdependencies between enterprise stakeholders, processes, and software systems, which would in turn give rise to more appropriate techniques and higher-quality systems. Following an introductory chapter that provides an exploration of key issues in requirements engineering, the book is organized in three parts. Part 1 presents surveys of state-of-the art requirements engineering process research along with critical assessments of existing models, frameworks and techniques. Part 2 addresses key areas in requirements engineering, such as market-driven requirements engineering, goal modeling, requirements ambiguity, and others. Part 3 concludes the book with articles that present empirical evidence and experiences from practices in industrial projects. Its broader perspective gives this book its distinct appeal and makes it of interest to both researchers and practitioners, not only in software engineering but also in other disciplines such as business process engineering and management science.

Handbook of Research on Modern Systems Analysis and Design Technologies and Applications

Qualitative Research: Analysis Types and Software

The purpose of the 9th International Conference on Software Engineering Research, Management and Applications(SERA 2011) held on August 10-12, 2011 in Baltimore, Maryland was to bring together scientists, engineers, computer users, and students to share their experiences and exchange new ideas and research results about all aspects (theory, applications and tools) of computer and information sciences, and to discuss the practical challenges encountered along the way and the solutions adopted to solve them. The conference organizers selected 12 outstanding papers from SERA 2011, all of which you will find in this volume of Springer's Studies in Computational Intelligence.

2014 International Conference on Artificial Intelligence and Software Engineering(AISE2014)

This book contains the refereed proceedings of the 13th International Conference on Agile Software Development, XP 2012, held in Malmö, Sweden, in May 2012. In the last decade, we have seen agile and lean software development strongly influence the way software is developed. Agile and lean software development has moved from being a way of working for a number of pioneers to becoming, more or less, the expected way of developing software in industry. The topics covered by the selected full papers include general aspects of agility, agile teams, studies related to the release and maintenance of software, and research on specific practices in agile and lean software development. They are complemented by four short papers capturing additional aspects of agile and lean projects.

Software Engineering Research and Applications

Although the self-adaptability of systems has been studied in a wide range of disciplines, from biology to robotics, only recently has the software engineering community recognized its key role in enabling the development of self-adaptive systems that are able to adapt to internal faults, changing requirements, and evolving environments. The 15 carefully reviewed papers included in this state-of-the-art survey were presented at the International Seminar on "Software Engineering for Self-Adaptive Systems", held in Dagstuhl Castle, Germany, in October 2010. Continuing the course of the first book of the series on "Software Engineering for Self-Adaptive Systems" the collection of papers in this second volume comprises a research roadmap accompanied by four elaborating working group papers. Next there are two parts - with three papers each - entitled "Requirements and Policies" and "Design Issues"; part four of the book contains four papers covering a wide range of "Applications".

Fundamental Approaches to Software Engineering

This book constitutes the thoroughly refereed post-proceedings of the First International Conference on Software Engineering Research and Applications, SERA 2003, held in San Francisco, CA, USA in June 2003. The 23 revised full papers

presented were carefully selected from 104 initial submissions during two rounds of reviewing and improvement. The papers are organized in topical sections on formal methods; component-based software engineering; software quality, requirements engineering, reengineering, and performance analysis; knowledge discovery and artificial intelligence; and database retrieval and human-computer interaction.

Writing a Research Paper

First Published in 1990. Routledge is an imprint of Taylor & Francis, an informa company.

Software Engineering Research, Management and Applications 2012

Starting in the mid 1990s, the United States economy experienced an unprecedented upsurge in economic productivity. Rapid technological change in communications, computing, and information management continue to promise further gains in productivity, a phenomenon often referred to as the New Economy. To better understand this phenomenon, the National Academies Board on Science, Technology, and Economic Policy (STEP) has convened a series of workshops and commissioned papers on Measuring and Sustaining the New Economy. This major workshop, entitled Software, Growth, and the Future of the U.S. Economy, convened academic experts and industry representatives from leading companies such as Google and General Motors to participate in a high-level discussion of the role of software and its importance to U.S. productivity growth; how software is made and why it is unique; the measurement of software in national and business accounts; the implications of the movement of the U.S. software industry offshore; and related policy issues.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION