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Computational Science — ICCS 2001-Vassil N. Alexandrov 2003-05-15 LNCS volumes 2073 and 2074 contain the proceedings of the International Conference on Computational Science, ICCS 2001, held in San Francisco, California, May 27 -31, 2001. The two volumes consist of more than 230 contributed and invited papers that reflect the aims of the conference to bring together researchers and scientists from mathematics and computer science as basic computing disciplines, researchers from various application areas who are pioneering advanced application of computational methods to sciences such as physics, chemistry, life sciences, and engineering, arts and humanitarian fields, along with software developers and vendors, to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research, as well as to help industrial users apply various advanced computational techniques.

The University of Virginia Record-University of Virginia 2007

Chiang Mai University - Bulletin-Mahāwitthayālai Chiang Mai 2001

Handbook Of Software Engineering And Knowledge Engineering, Vol 3; Recent Advances-Shi-kuo Chang 2005-08-25 The book covers the recent new advances in software engineering and knowledge engineering. It is intended as a supplement to the two-volume handbook of software engineering and knowledge engineering. The editor and authors are well-known international experts in their respective fields of expertise. Each chapter in the book is entirely self-contained and gives in-depth information on a specific topic of current interest. This book will be a useful desktop companion for both practitioners and students of software engineering and knowledge engineering.

Service-Learning in the Computer and Information Sciences-Brian A. Nejmeh 2012-06-07 Offering a truly global perspective, this book serves as a road map for service-learning partnerships between information science and nonprofit organizations. It introduces for the first time an essential framework for service learning in CIS, addressing both the challenges and opportunities of this approach for all stakeholders involved: faculty, students, and community nonprofit organizations (NPOs), both domestic and abroad. This volume outlines numerous examples of successful programs from around the world, presenting practical working models for implementing joint projects between NPOs and academia.

Advances in Intelligent Systems-Gary Lee 2012-01-25 2012 International Conference on Environment Science and 2012 International Conference on Computer Science (ICES 2012/ICCS 2012) will be held in Australia, Melbourne, 15-16 March, 2012.Volume 2 contains some topics in intelligent system. There are 51 papers were selected as the regular paper in this volume. It contains the latest developments and reflects the experience of many researchers working in different environments (universities, research centers or even industries), publishing new theories and solving new technological problems. The purpose of volume 2 is interconnection of diverse scientific fields, the cultivation of every possible scientific collaboration, the exchange of views and the promotion of new research targets as well as the further dissemination, the diffusion of intelligent system, including but not limited to Intelligent System, Neural networks, Machine Learning, Multimedia System and Applications, Speech Processing, Image & video Signal Processing and Computer-Aided Network Design the dispersion. We are sure that the efforts of the authors as well as the reviewers to provide high level contributions will be appreciated by the relevant scientific community. We are convinced that presented volume will be a source of knowledge and inspiration for all academic members, researchers and practitioners working in a field of the topic covered by the book.

Evaluation of Novel Approaches to Software Engineering-Joaquim Filipe 2013-12-20 This book constitutes the thoroughly refereed proceedings of the 8th International Conference on Evaluation of Novel Approaches to Software Engineering, ENASE 2013, held in Angers, France, in July 2013. The 18 full papers presented were carefully reviewed and selected from 46 submissions. The papers reflect a growing effort to increase the dissemination of new results among researchers and professionals related to evaluation of novel approaches to software engineering. By comparing novel approaches with established traditional practices and by evaluating them against software quality criteria, the ENASE conferences advance knowledge and research in software engineering, identify most hopeful trends, and propose new directions for consideration by researchers and practitioners involved in large-scale software development and integration.

Stanford Bulletin- 2006

Introduction to Computation and Programming Using Python-John V. Guttag 2016-08-12 The new edition of an introductory text that teaches students the art of computational problem solving, covering topics ranging from simple algorithms to information visualization.

Computer Applications for Software Engineering, Disaster Recovery, and Business Continuity-Tai-hoon Kim 2012-11-07 This book comprises the refereed proceedings of the International Conferences, ASEA and DRBC 2012, held in conjunction with GST 2012 on Jeju Island, Korea, in November/December 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of advanced software engineering and its applications, and disaster recovery and business continuity.

Courses Catalog - University of Illinois at Urbana-Champaign-University of Illinois at Urbana-Champaign 2002 Includes undergraduate and graduate courses.

Proceedings of the 2000 International Conference on Software Engineering-International Conference on Software Engineering (22, 2000, Limerick) 2000

The Proceedings of the ... SIGCSE Technical Symposium on Computer Science Education- 1997

Software Engineering Project Management-Edward Yourdon 1997-11-10 Introduction to management; Software engineering process; Software engineering project management; Planning a software engineering project; Software cost, schedule, and size; Organizing a software engineering project; Staffing a software engineering project; Directing a software engineering project; Controlling a software engineering project; Software metrics and visibility of progress; The silver bullets; Appendix.

Tutorial--software Engineering Project Management-Richard H. Thayer 1988 Reprints and five new papers present a top-down view of the subject. Covers software engineering and SE project management planning, organizing, staffing, directing, and controlling a SE project. No index. Annotation copyright Book News, Inc. Portland, Or.

Future of Software Engineering 2007-Lionel C. Briand 2007

Timetable-University of Illinois at Urbana-Champaign 2003

Software Engineering-Eric J. Braude 2000

Guide to Advanced Empirical Software Engineering-Forrest Shull 2007-11-21 This book gathers chapters from some of the top international empirical software engineering researchers focusing on the practical knowledge necessary for conducting, reporting and using empirical methods in software engineering. Topics and features include guidance on how to design, conduct and report empirical studies. The volume also provides information across a range of techniques, methods and qualitative and quantitative issues to help build a toolkit applicable to the diverse software development contexts

Scrum-Chris Sims 2012

Advanced Information Systems Engineering- 1995

Advanced Information Systems Engineering-Juhani Iivari 1995-05-30 This volume constitutes the proceedings of the 7th International Conference on Advanced Information Systems Engineering, CAiSE '95, held in Jyväskylä, Finland in June 1995. The 26 full papers presented in this volume were selected from more than 100 submissions; in addition there are three invited papers. Among the contributing authors are academics as well as information system practitioners from industry and administration. The volume is organized in sections on behaviour modelling, requirements engineering, 00 concepts and applications, work and communication modelling, meta modelling, user interface issues, CASE integration, reuse, conceptual modelling issues, and software development issues.

Fundamental Approaches to Software Engineering- 2002

Software Engineering: Effective Teaching and Learning Approaches and Practices-Ellis, Heidi J.C. 2008-10-31 Over the past decade, software engineering has developed into a highly respected field. Though computing and software engineering education continues to emerge as a prominent interest area of study, few books specifically focus on software engineering education itself. Software Engineering: Effective Teaching and Learning Approaches and Practices presents the latest developments in software engineering education, drawing contributions from over 20 software engineering educators from around the globe. Encompassing areas such as student assessment and learning, innovative teaching methods, and educational technology, this much-needed book greatly enhances libraries with its unique research content.

Exam 98-361 MTA Software Development Fundamentals-Microsoft Official Academic Course 2011-05-03 Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts and provides students with a foundation for their 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 text covers fundamental skills in such areas as Programming and an understanding of general software development, web, desktop, and database applications.

Reuse Based Software Engineering-Hafedh Mili 2002 Integrating three important aspects of software reuse--technical, management, and organizational--this indispensable reference shows how these fundamental aspects are used in the development lifecycle of component-based software engineering and product line engineering. The book explores the basic foundations upon which reuse processes and approaches can be established and discusses state of the art and state of the practice of software reuse.

Programming Concepts, Methods and Calculi-E.-R. Olderog 1994

System and Software Requirements Engineering-Richard H. Thayer 1990

College of Engineering (University of Michigan) Publications-University of Michigan. College of Engineering 2001 Also contains brochures, directories, manuals, and programs from various College of Engineering student organizations such as the Society of Women Engineers and Tau Beta Pi.

Recommendation Systems in Software Engineering-Martin P. Robillard 2014-04-30 With the growth of public and private data stores and the emergence of off-the-shelf data-mining technology, recommendation systems have emerged that specifically address the unique challenges of navigating and interpreting software engineering data. This book collects, structures and formalizes knowledge on recommendation systems in software engineering. It adopts a pragmatic approach with an explicit focus on system design, implementation, and evaluation. The book is divided into three parts: “Part I - Techniques” introduces basics for building recommenders in software engineering, including techniques for collecting and processing software engineering data, but also for presenting recommendations to users as part of their workflow. “Part II - Evaluation” summarizes methods and experimental designs for evaluating recommendations in software engineering. “Part III - Applications” describes needs, issues and solution concepts involved in entire recommendation systems for specific software engineering tasks, focusing on the engineering insights required to make effective recommendations. The book is complemented by the webpage rsse.org/book, which includes free supplemental materials for readers of this book and anyone interested in recommendation systems in software engineering, including lecture slides, data sets, source code, and an overview of people, groups, papers and tools with regard to recommendation systems in software engineering. The book is particularly well-suited for graduate students and researchers building new recommendation systems for software engineering applications or in other high-tech fields. It may also serve as the basis for graduate courses on recommendation systems, applied data mining or software engineering. Software engineering practitioners developing recommendation systems or similar applications with predictive functionality will also benefit from the broad spectrum of topics covered.

Frontiers in Education- 2005

Software Quality Engineering-Jeff Tian 2005-05-20 The one resource needed to create reliable software This text offers a comprehensive and integrated approach tosoftware quality engineering. By following the author's clearguidance, readers learn how to master the techniques to producehigh-quality, reliable software, regardless of the softwaresystem's level of complexity. The first part of the publication introduces major topics insoftware quality engineering and presents quality planning as anintegral part of the process. Providing readers with a solidfoundation in key concepts and practices, the book moves on tooffer in-depth coverage of software testing as a primary means toensure software quality; alternatives for quality assurance,including defect prevention, process improvement, inspection,formal verification, fault tolerance, safety assurance, and damagecontrol; and measurement and analysis to close the feedback loopfor quality assessment and quantifiable improvement. The text's approach and style evolved from the author's hands-onexperience in the classroom. All the pedagogical tools needed tofacilitate quick learning are provided: \* Figures and tables that clarify concepts and provide quick topicsummaries \* Examples that illustrate how theory is applied in real-worldsituations \* Comprehensive bibliography that leads to in-depth discussion ofspecialized topics \* Problem sets at the end of each chapter that test readers'knowledge This is a superior textbook for software engineering, computerscience, information systems, and electrical engineering students,and a dependable reference for software and computer professionalsand engineers.

Software Engineering for Self-Adaptive Systems-Betty H. C. Cheng 2009-06-19 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 recognised its key role in enabling the development of future software systems that are able to self-adapt to changes that may occur in the system, its requirements, or the environment in which it is deployed. In our understanding, this collection is one of the first books containing a collection of papers that looks specifically into the current state-of-the-art in the field, describes a wide range of approaches coming from different strands of software engineering, and presents future challenges facing this always resurgent and challenging field of research. This state-of-the-art survey originates from the International Seminar on Software Engineering for Self-Adaptive Systems, held in Dagstuhl Castle, Germany, in January 2008. Also included in this book is an invited roadmap paper on research challenges for the area of software engineering for self-adaptive systems, which was based on the discussion held at the Dagstuhl Seminar and put together by several of its participants.The volume consists of four parts: Research Roadmap, Architecture-Based, Context-Aware and Model-Driven, as well as Self-Healing.

Principles and Practice of Constraint Programming - CP 2004-Mark Wallace 2004-09-13 The 10th International Conference on the Principles and Practice of Constraint Programming (CP 2003) was held in Toronto, Canada, during September 27 – October 1, 2004. Information about the conference can be found on the Web at <http://ai.uwaterloo.ca/~cp2004/> Constraint programming (CP) is about problem modelling, problem solving, programming, optimization, software engineering, databases, visualization, user interfaces, and anything to do with satisfying complex constraints. It reaches into mathematics, operations research, artificial intelligence, algorithms, complexity, modelling and programming languages, and many aspects of computer science. Moreover, CP is never far from applications, and its successful use in industry and government goes hand in hand with the success of the CP research community. Constraintprogrammingcontinuesto beanexciting,ourishingandgrowing

research?eld,astheannualCPconferenceproceedingsamplywitness.Thisyear, from 158 submissions, we chose 46 to be published in full in the proceedings. Instead of selecting one overall best paper, we picked out four “distinguished” papers - though we were tempted to select at least 12 such papers. In addition we included 16 short papers in the proceedings- these were presented as posters at CP 2004. This volume includes summaries of the four invited talks of CP 2004. Two speakers from industry were invited. However these were no ordinary industrial representatives, but two of the leading researchers in the CP community: Helmut Simonis of Parc Technologies, until its recent takeover by Cisco Systems; and Jean Francoi, s Puget, Director of Optimization Technology at ILOG. The other two invited speakers are also big movers and shakers in the research community.

Ecoop 2000--Object-Oriented Programming-European Conference on Object-Oriented Programming (14 : 2000 : Sophia Antipolis) 2000-05-31 This book constitutes the refereed proceedings of the 14th European Conference on Object-Oriented programming, ECOOP 2000, held in Sophia, Antipolis and Cannes, France, in June 2000. The book also contains a CD-ROM providing digitized versions of all previous ECOOP conference proceedings and related indices. The 20 revised full papers presented in the book together with 3 invited papers were carefully reviewed and selected from a total of 109 submissions. The book is divided into topical sections on UML, type theory, object relations, cooperation and distribution, Java run time, optimization, and tools.

Advances in Case-Based Reasoning-Peter Funk 2004-08-19 This book constitutes the refereed proceedings of the 7th European Conference on Case-Based Reasoning, ECCBR 2004, held in Madrid, Spain in August/September 2004. The 56 revised full papers presented together with an invited paper and the abstract of an invited talk were carefully reviewed and selected from 85 submissions. All current issues in case-based reasoning, ranging from theoretical and methodological issues to advanced applications in various fields are addressed.

Software Management-Donald J. Reifer 1997 Software process improvement; Project management; Planning fundamentals; Software estimating; Organizing for success; Staffing essentials; Direction advice; Visibility and control; Software inspections; Risk management; Metrics and measurement; Technology transfer; New software management paradigms; Acquisition management; Glossary; Bibliography.

Eighth IEEE Symposium on Software Metrics-IEEE Computer Society 2002 The latest incarnation of the conference on empirical software engineering and software quality attracted papers on project prediction, measuring object-oriented systems, maintenance and evolution, inspections, web and network technology, models and abstractions, fault prediction, and methodological

Advanced Information Systems Engineering-Anne Banks Pidduck 2002-05-17 This book constitutes the refereed proceedings of the 14th International Conference on Advanced Information Systems Engineering, CAiSE 2002, held in Toronto, Canada, in May 2002. The 42 revised full papers and 26 short papers presented together with four invited contributions were carefully reviewed and selected from a total of 173 submissions. The book offers topical sections on Web application development, knowledge management, deployment issues, semantics of information, system qualities, integration issues, analysis and adaption, retrieval and performance, requirement issues, schema matching and evolution, workflows, semantics and logical representations, understanding and using methods, and modeling objects and relationships.

Software Engineering Foundations-Yingxu Wang 2007-08-09 A groundbreaking book in this field, Software Engineering Foundations: A Software Science Perspective integrates the latest research, methodologies, and their applications into a unified theoretical framework. Based on the author's 30 years of experience, it examines a wide range of underlying theories from philosophy, cognitive informatics, denota

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