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Soviet Journal of Computer and Systems Sciences Springer

J.UCS is the electronic journal that covers all areas of computer science. The high quality of all accepted papers is ensured by a strict review process and an international editorial board of distinguished computer scientists. The online journal J.UCS is a prototype for modern electronic publishing. Distributed via the Internet, it supports all the search and navigation tools of advanced online systems. This first annual print and CD-ROM archive edition contains all articles published online in J.UCS during 1995. It allows easy and durable access without logging onto the Internet. Uniform citation of papers is guaranteed by identical page numbering and layout of all versions. J.UCS is based on HyperWave (formerly Hyper-G), a networked hypermedia information system compatible with other systems.

From Device to Fog and Cloud ASCE Publications

This book is a collection of refereed invited papers on the history of computing in education from the 1970s to the mid-1990s presenting a social history of the introduction and early use of computers in schools. The 30 papers deal with the introduction of computer in schools in many countries around the world: Norway, South Africa, UK, Canada, Australia, USA, Finland, Chile, The Netherlands, New Zealand, Spain, Ireland, Israel and Poland. The authors are not professional historians but rather people who as teachers, students or researchers were involved in this history and they narrate their experiences from a personal perspective offering fascinating stories.

Computing in Civil Engineering University Alabama Press

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that covers all areas of computer science. The high quality of all accepted papers is ensured by a strict review process and an international editorial board of distinguished computer scientists. The online journal J.UCS is a prototype for modern electronic publishing. Distributed via the Internet, it supports all the search and navigation tools of advanced online systems. This first annual print and CD-ROM archive edition contains all articles published online in J.UCS during 1995. It allows easy and durable access without logging onto the Internet. Uniform citation of papers is guaranteed by identical page numbering and layout of all versions. J.UCS is based on HyperWave (formerly Hyper-G), a networked hypermedia information system compatible with other systems.

Rutgers Journal of Computers and the Law Satyabrata Mohanty

There's a hidden science that affects every part of your life, a science so powerful that you would be hard-pressed to find a single human being on the planet unaffected by its achievements. It is the science behind computers, the machines which drive the supply and creation of power, food, medicine, money, communication, entertainment, and most goods our stores. It has transformed societies with the Internet, the digitization of information, mobile phone networks, and GPS technologies. Written in friendly and approachable language, Digitized provides a window onto the mysterious field from which all computer technology originates, making the theory and practice of computation understandable to the general reader. This popular science book explains how and why computers were invented, how they work, and what will happen in the future. Written by a leading computer scientist, Peter J. Bentley, it tells this fascinating

story using the voices of pioneers and leading experts interviewed for the book, in effect throwing open the doors of the most cutting-edge computer laboratories. Bentley explores how this young discipline grew from the early work by pioneers such as Turing, through its growth spurts in the Internet, its difficult adolescent stage where the promises of AI were never achieved and dot-com bubble burst, to its current stage as a semi-mature field, capable of remarkable achievements. Packed with real-world examples, Digitized is the only book to explain the origins and key advances in all areas of computing: theory, hardware, software, Internet, user interfaces, virtual reality, and artificial intelligence. If you have an interest in computers--whether you work with them, use them for fun, or are being taught about them in school--this book will provide an entertaining introduction to the science that's changing the world.

The Science of Computers and how it Shapes Our World Springer Science & Business Media

Bringing together the world's leading researchers and practitioners of computational mechanics, these new volumes meet and build on the eight key challenges for research and development in computational mechanics. Researchers have recently identified eight critical research tasks facing the field of computational mechanics. These tasks have come about because it appears possible to reach a new level of mathematical modelling and numerical solution that will lead to a much deeper understanding of nature and to great improvements in engineering design. The eight tasks are: The automatic solution of mathematical models Effective numerical schemes for fluid flows The development of an effective mesh-free numerical solution method The development of numerical procedures for multiphysics problems The development of numerical procedures for multiscale problems The modelling of uncertainties The analysis of complete life cycles of systems Education - teaching sound engineering and scientific judgement Readers of Computational Fluid and Solid Mechanics 2003 will be able to apply the combined experience of many of the world's leading researchers to their own research needs. Those in academic environments will gain a better insight into

the needs and constraints of the industries they are involved with; those in industry will gain a competitive advantage by gaining insight into the cutting edge research being carried out by colleagues in academia. Features Bridges the gap between academic researchers and practitioners in industry Outlines the eight main challenges facing Research and Design in Computational mechanics and offers new insights into the shifting the research agenda Provides a vision of how strong, basic and exciting education at university can be harmonized with life-long learning to obtain maximum value from the new powerful tools of analysis

Rutgers Journal [of] Computers, Technology and the Law MIT Press

As organizations, businesses, and other institutions work to move forward during a new era of ubiquitous modern technology, new computing and technology implementation strategies are necessary to harness the shared knowledge of individuals to advance their organizations as a whole. Intelligent and Knowledge-Based Computing for Business and Organizational Advancements examines the emerging computing paradigm of Collective Intelligence (CI). The global contributions contained in this publication will prove to be essential to both researchers and practitioners in the computer and information science communities as these populations move toward a new period of fully technology-integrated business.

Rhetorical Machines American Psychological Association (APA)

Proceedings of the 2013 ASCE International Workshop on Computing in Civil Engineering. The Trouble with Computers MIT Press The International Conference on Informatics and Management Science (IMS) 2012 will be held on November 16-19, 2012, in Chongqing, China, which is organized by Chongqing Normal University, Chongqing University, Shanghai Jiao Tong University, Nanyang Technological University, University of Michigan, Chongqing University of Arts and Sciences, and sponsored by National Natural Science Foundation of China (NSFC). The objective of IMS 2012 is to facilitate an exchange of information on best practices for the latest research advances in a range of areas. Informatics and Management Science contains over 600 contributions to suggest and inspire solutions and methods drawing from multiple disciplines including: Computer Science Communications and Electrical Engineering Management Science Service Science Business Intelligence

International Journal of Computers & Applications IGI Global

Does Silicon Valley deserve all the credit for digital creativity and social media? Joy Rankin questions this triumphalism by revisiting a pre-PC time when schools were not the last stop for mature consumer technologies but flourishing sites of innovative collaboration—when users taught computers and visionaries dreamed of networked access for all.

Recoding Gender Mit Press

Journal of Frontiers of Computer Science and Technology

Edge Computing and Computational Intelligence Paradigms for the IoT McGraw-Hill/Appleton & Lange

Edge computing is focused on devices and technologies that are attached to the internet of things (IoT). Identifying IoT use across a range of industries and measuring strategic values helps identify what technologies to pursue and can avoid wasted resources on deployments with limited values. Edge Computing and Computational Intelligence Paradigms for the IoT is a critical research book that provides a complete insight on the recent advancements and integration of intelligence in IoT. This book highlights various topics such as disaster prediction, governance, and healthcare. It is an excellent resource for researchers, working professionals, academicians, policymakers, and defense companies.

The Journal of Computers in Mathematics and Science Teaching Serials Publications

The Publication Manual of the American Psychological Association is the style manual of choice for writers, editors, students, and educators in the social and behavioral sciences, nursing, education, business, and related disciplines.

Women's Changing Participation in Computing Gulf Professional Publishing

This title gives students an integrated and rigorous picture of applied computer science, as it comes to play in the construction of a simple yet powerful computer system.

Aesthetic Computing Journal of Computer and System SciencesInternational Journal of Computers & ApplicationsRutgers journal of computers and the lawThe Trouble with ComputersUsefulness, Usability, and Productivity

This book consists the fundamentals of computer application for beginners as well experts.

International Journal of Computer Systems Science & Engineering MIT Press

Advance Topics in End User Computing features the latest research findings dealing with end user computing concepts, issues, and trends. It provides a forum to both academics and information technology practitioners to advance the practice and understanding of end user computing in organizations. Empirical and theoretical research concerned with all aspects of end user computing including development, utilization and management are included.

Positive Computing Academic Press

"Calvo and Peters explain that technologists' growing interest in social good is part of a larger public concern about how our digital experience affects our emotions and our quality of life--which itself reflects an emerging focus on humanistic values in many different disciplines. Synthesizing theory, knowledge, and empirical methodologies from a variety of fields, they offer a rigorous and coherent foundational framework for positive computing. Sidebars by experts from psychology, neuroscience, human-computer interaction, and other disciplines supply essential context. Calvo and Peters examine specific well-being factors, including positive emotions, self-awareness, mindfulness, empathy, and compassion, and explore how technology can support these factors. Finally, they offer suggestions for future research and funding." --Publisher's description.

Intelligent and Knowledge-Based Computing for Business and Organizational Advancements Springer

Beginning with an explanation of why considerable outlays for computing since 1973 have not resulted in comparable payoffs, the author proposes that emerging techniques for user-centred development can turn the situation around - through task analysis, ite

Imagination in the Age of Computing IGI Global

The untold history of women and computing: how pioneering women succeeded in a field shaped by gender biases. Today, women earn a relatively low percentage of computer science degrees and hold proportionately few technical computing jobs. Meanwhile, the stereotype of the male "computer geek" seems to be everywhere in popular culture. Few people know that women were a significant presence in the early decades of computing in both the United States and Britain. Indeed, programming in postwar years was considered woman's work (perhaps in contrast to the more manly task of building the computers themselves). In Recoding Gender, Janet Abbate explores the untold history of women in computer science and programming from the Second World War to the late twentieth century. Demonstrating how gender has shaped the culture of computing, she offers a valuable historical perspective on today's concerns over women's underrepresentation in the field. Abbate describes the experiences of women who worked with the earliest electronic digital computers: Colossus, the wartime codebreaking computer at Bletchley Park outside London, and the American ENIAC, developed to calculate ballistics. She examines postwar methods for recruiting programmers, and the 1960s redefinition of programming as the more masculine "software engineering." She describes the social and business innovations of two early software entrepreneurs, Elsie Shutt and Stephanie Shirley; and she examines the career paths of women in academic computer science. Abbate's account of the bold and creative strategies of women who loved computing work, excelled at it, and forged successful careers will provide inspiration for those working to change gendered computing culture.

JUCS The Journal of Universal Computer Science Oxford University Press

The application of the theory and practice of art to computer science: how aesthetics and art can play a role in computing disciplines. JUCS The Journal of Universal Computer Science IGI Global

How Britain lost its early dominance in computing by systematically discriminating against its most qualified workers: women. In 1944, Britain led the world in electronic computing. By 1974, the British computer industry was all but extinct. What happened in the intervening thirty years holds lessons for all postindustrial superpowers. As Britain struggled to use technology to retain its global power,

the nation's inability to manage its technical labor force hobbled its transition into the information age. In Programmed Inequality, Mar Hicks explores the story of labor feminization and gendered technocracy that undercut British efforts to computerize. That failure sprang from the government's systematic neglect of its largest trained technical workforce simply because they were women. Women were a hidden engine of growth in high technology from World War II to the 1960s. As computing experienced a gender flip, becoming male-identified in the 1960s and 1970s, labor problems grew into structural ones and gender discrimination caused the nation's largest computer user—the civil service and sprawling public sector—to make decisions that were disastrous for the British computer industry and the nation as a whole. Drawing on recently opened government files, personal interviews, and the archives of major British computer companies, Programmed Inequality takes aim at the fiction of technological meritocracy. Hicks explains why, even today, possessing technical skill is not enough to ensure that women will rise to the top in science and technology fields. Programmed Inequality shows how the disappearance of women from the field had grave macroeconomic consequences for Britain, and why the United States risks repeating those errors in the twenty-first century.