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Computerization Movements and Technology Diffusion

From Mainframes to Ubiquitous Computing

Information Today, Inc. " "Computerization movement" (CM) refers to a special kind of social and technological movement that promotes the adoption of computing within organizations and society. ... Through theoretical analyses, systematic empirical studies, field-based studies, and case studies of specific technologies, the book shows CMs to be driven by Utopian visions of technology that become part of the "ether" within society. The empirical studies presented here show the need for designers, users, and the media to be aware that CM rhetoric can propose grand visions that never become part of a reality and reinforce the need for critical and scholarly review of promising new technologies."--Back cover.

Big Data Is Not a Monolith

MIT Press Perspectives on the varied challenges posed by big data for health, science, law, commerce, and politics. Big data is ubiquitous but heterogeneous. Big data can be used to tally clicks and traffic on web

pages, find patterns in stock trades, track consumer preferences, identify linguistic correlations in large corpuses of texts. This book examines big data not as an undifferentiated whole but contextually, investigating the varied challenges posed by big data for health, science, law, commerce, and politics. Taken together, the chapters reveal a complex set of problems, practices, and policies. The advent of big data methodologies has challenged the theory-driven approach to scientific knowledge in favor of a data-driven one. Social media platforms and self-tracking tools change the way we see ourselves and others. The collection of data by corporations and government threatens privacy while promoting transparency. Meanwhile, politicians, policy makers, and ethicists are ill-prepared to deal with big data's ramifications. The contributors look at big data's effect on individuals as it exerts social control through monitoring, mining, and manipulation; big data and society, examining both its empowering and its constraining effects; big data and science, considering issues of data governance, provenance, reuse, and trust; and big data and organizations, discussing data responsibility, "data harm," and decision making. Contributors Ryan Abbott, Cristina Alaimo, Kent R. Anderson, Mark Andrejevic, Diane E. Bailey, Mike Bailey, Mark Burdon, Fred H. Cate, Jorge L. Contreras, Simon DeDeo, Hamid R. Ekbia, Allison Goodwell, Jannis Kallinikos, Inna Kouper, M. Lynne Markus, Michael Mattioli, Paul Ohm, Scott Peppet, Beth Plale, Jason Portenoy, Julie Rennecker, Katie Shilton, Dan Sholler, Cassidy R. Sugimoto, Isuru Suriarachchi, Jevin D. West

Software Evangelism and the Rhetoric of Morality

Coding Justice in a Digital Democracy

Routledge Examining the layers of meaning encoded in software and the rhetoric surrounding it, this book offers a much-needed perspective on the intersections between software, morality, and politics. In software development culture, evangelism typically denotes a rhetorical practice that aims to convert software developers, as well as non-technical lay users, from one platform to another (e.g., from the operating system Microsoft Windows to Linux). This book argues that software evangelism, like its religious counterpart, must also be understood as constructing moral and political values that extend well beyond the boundaries of the development culture. Unlike previous studies that locate such values in the effects of code in-use or in certain types of code like free and open source (FOSS) software, Maher argues that all code is meaningful beyond its

technical, executable functions. To facilitate this analysis, this study builds a theory of evangelism and illustrates this theory at work in the proprietary software industry and FOSS communities. As an example of political liberalism at work at the level of code, these evangelical rhetorics of software construct competing conceptions of what is good that fall within a shared belief in what is just. Maher illustrates how these beliefs in goodness and justice do not always execute in replicable ways, as the different ways of decoding software evangelisms in the contexts of Brazil and China reveal. Demonstrating how software evangelisms exert a transformative force on the world, one comparable in significance to code itself, this book highlights the importance of rhetoric in even the most seemingly a-rhetorical of technical endeavors and foregrounds the crucial need for rhetorical literacy in the digital age.

Social Informatics

Past, Present and Future

Cambridge Scholars Publishing Social Informatics: Past, Present and Future is a collection of twelve papers that provides a state-of-the-art review of 21st century social informatics. Two papers review the history of social informatics, and show that its intellectual roots can be found in the late 1970s and early '80s and that it emerged in several different locations around the world before it coalesced in the US in the mid-1990s. The evolution of social informatics is described under four periods: foundational work, development and expansion, a robust period of coherence, and a period of diversification that continues today. Five papers provide a view of the breadth and depth of contemporary social informatics, demonstrating the diversity of theoretical and methodological approaches that can be used. A further five papers explore the future of social informatics and offer provocative and disparate visions of its trajectory, ranging from arguments for a new philosophical grounding for social informatics, to calls for a social informatics based on practice thinking and materiality. This book presents a view of SI that emphasizes the core relationship among people, ICT and organizational and social life from a perspective that integrates aspects of social theory and demonstrates clearly that social informatics has never been a more necessary research endeavor than it is now.

Knowledge Machines

Digital Transformations of the Sciences and Humanities

MIT Press An examination of the ways that digital and networked technologies have fundamentally changed research practices in disciplines from astronomy to literary analysis. In Knowledge Machines, Eric Meyer and Ralph Schroeder argue that digital technologies have fundamentally changed research practices in the sciences, social sciences, and humanities. Meyer and Schroeder show that digital tools and data, used collectively and in distributed mode—which they term e-research—have transformed not just the consumption of knowledge but also the production of knowledge. Digital technologies for research are reshaping how knowledge advances in disciplines that range from physics to literary analysis. Meyer and Schroeder map the rise of digital research and offer case studies from many fields, including biomedicine, social science uses of the Web, astronomy, and large-scale textual analysis in the humanities. They consider such topics as the challenges of sharing research data and of big data approaches, disciplinary differences and new forms of interdisciplinary collaboration, the shifting boundaries between researchers and their publics, and the ways that digital tools promote openness in science. This book considers the transformations of research from a number of perspectives, drawing especially on the sociology of science and technology and social informatics. It shows that the use of digital tools and data is not just a technical issue; it affects research practices, collaboration models, publishing choices, and even the kinds of research and research questions scholars choose to pursue. Knowledge Machines examines the nature and implications of these transformations for scholarly research.

Spanish-Language Television in the United States

Fifty Years of Development

Routledge Since its introduction in the early 1960s, Spanish-language television in the United States has grown in step with the Hispanic population. Industry and demographic projections forecast rising influence through the 21st century. This book traces U.S. Spanish-language television's development from the 1960s to 2013, illustrating how business, regulation, politics, demographics and technological change have interwoven during a half century of remarkable change for electronic media. Spanish-language media play key social, political and economic

roles in U.S. society, connecting many Hispanics to their cultures of origin, each other, and broader U.S. society. Yet despite the population's increasing impact on U.S. culture, in elections and through an estimated $1.3 trillion in spending power in 2014, this is the first comprehensive academic source dedicated to the medium and its history. The book combines information drawn from the business press and trade journals with industry reports and academic research to provide a balanced perspective on the origins, maturation and accelerated growth of a significant ethnic-oriented medium.

Code Nation

Personal Computing and the Learn to Program Movement in America

Morgan & Claypool Code Nation explores the rise of software development as a social, cultural, and technical phenomenon in American history. The movement germinated in government and university labs during the 1950s, gained momentum through corporate and counterculture experiments in the 1960s and 1970s, and became a broad-based computer literacy movement in the 1980s. As personal computing came to the fore, learning to program was transformed by a groundswell of popular enthusiasm, exciting new platforms, and an array of commercial practices that have been further amplified by distributed computing and the Internet. The resulting society can be depicted as a "Code Nation"—a globally-connected world that is saturated with computer technology and enchanted by software and its creation. Code Nation is a new history of personal computing that emphasizes the technical and business challenges that software developers faced when building applications for CP/M, MS-DOS, UNIX, Microsoft Windows, the Apple Macintosh, and other emerging platforms. It is a popular history of computing that explores the experiences of novice computer users, tinkerers, hackers, and power users, as well as the ideals and aspirations of leading computer scientists, engineers, educators, and entrepreneurs. Computer book and magazine publishers also played important, if overlooked, roles in the diffusion of new technical skills, and this book highlights their creative work and influence. Code Nation offers a "behind-the-scenes" look at application and operating-system programming practices, the diversity of historic computer languages, the rise of user communities, early attempts to market PC software, and the origins of "enterprise" computing systems. Code samples and over 80 historic photographs support the text. The book concludes with an assessment of contemporary efforts to teach computational thinking to young people.

The Comparative Approach to National Movements

Miroslav Hroch and Nationalism Studies

Routledge Miroslav Hroch's Social Preconditions of National Revival has profoundly influenced the study of nationalism since it first appeared in English translation, particularly because of its famous three-phase model for describing and analyzing national movements in Eastern Europe. Contributors to this book explore Hroch's continued relevance to the field of nationalism studies with four case studies and two theoretical/historiographic essays. Two case studies apply Hroch's thinking to Eastern Europe in light of subsequent historiography, finding that Hroch's ideas remain useful for understanding national movements in Belarus and among the Kuban Cossacks. Two further studies apply Hroch's schema to the Mexican independence movement and contemporary Pakistan – times and places that Hroch specifically excluded from his own considerations. The first theoretical contribution seeks to apply Begriffsgeschichte to Hroch's work; the second suggests that Hroch's phases form a useful typology of nationalism, thus facilitating communication between different branches of nationalism studies. Hroch ends the volume with his own commentary on the various contributions. This book was published as a special issue of Nationalities Papers.

Creditworthy

A History of Consumer Surveillance and Financial Identity in America

Columbia University Press The first consumer credit bureaus appeared in the 1870s and quickly amassed huge archives of deeply personal information. Today, the three leading credit bureaus are among the most powerful institutions in modern life—yet we know almost nothing about them. Experian, Equifax, and TransUnion are multi-billion-dollar corporations that track our movements, spending behavior, and financial status. This data is used to predict our riskiness as borrowers and to judge our trustworthiness and value in a broad array of contexts, from insurance and marketing to employment and housing. In Creditworthy, the first

comprehensive history of this crucial American institution, Josh Lauer explores the evolution of credit reporting from its nineteenth-century origins to the rise of the modern consumer data industry. By revealing the sophistication of early credit reporting networks, Creditworthy highlights the leading role that commercial surveillance has played—ahead of state surveillance systems—in monitoring the economic lives of Americans. Lauer charts how credit reporting grew from an industry that relied on personal knowledge of consumers to one that employs sophisticated algorithms to determine a person's trustworthiness. Ultimately, Lauer argues that by converting individual reputations into brief written reports—and, later, credit ratings and credit scores—credit bureaus did something more profound: they invented the modern concept of financial identity. Creditworthy reminds us that creditworthiness is never just about economic "facts." It is fundamentally concerned with—and determines—our social standing as an honest, reliable, profit-generating person.

Public Administration Evolving

From Foundations to the Future

Routledge Public Administration Evolving: From Foundations to the Future demonstrates how the theory and practice of public administration has evolved since the early decades of the twentieth century. Each chapter approaches the field from a unique perspective and describes the seminal events that have been influential in shaping its evolution. This book presents major trends in theory and practice in the field, provides an overview of its intellectual development, and demonstrates how it has professionalized. The range from modernism to metamodernism is reflected from the perspective of accomplished scholars in the field, each of whom captures the history, environment, and development of a particular dimension of public administration. Taken together, the chapters leave us with an understanding of where we are today and a grounding for forecasting the future.

Choice

Technology as Freedom

The New Deal and the Electrical

Modernization of the American Home

Univ of California Press Before 1930, the domestic market for electrical appliances was segmented, but New Deal policies and programs created a true mass market, reshaping the electrical and housing markets and guiding them toward mandated social goals. The New Deal identified electrical refrigeration as a key technology to reform domestic labor, raise family health, and build family assets. New Deal incentives led to nearly fifty percent of Title I National Housing Act loans being used to buy electric refrigerators in the 1930s. New Deal policies ultimately created the mass commodity culture of home-owning families that typified the conservative 1950s. This title is part of UC Press's Voices Revived program, which commemorates University of California Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1996.

The Identity Trade

Selling Privacy and Reputation Online

NYU Press The successes and failures of an industry that claims to protect and promote our online identities What does privacy mean in the digital era? As technology increasingly blurs the boundary between public and private, questions about who controls our data become harder and harder to answer. Our every web view, click, and online purchase can be sold to anyone to store and use as they wish. At the same time, our online reputation has become an important part of our identity—a form of cultural currency. The Identity Trade examines the relationship between online visibility and privacy, and the politics of identity and self-presentation in the digital age. In doing so, Nora Draper looks at the revealing two-decade history of efforts by the consumer privacy industry to give individuals control over their digital image through the sale of privacy protection and reputation management as a service. Through in-depth interviews with industry experts, as well as analysis of media coverage, promotional materials, and government policies, Draper examines how companies have turned the protection and promotion of digital information into a business. Along the way, she also provides insight into how these companies have responded to and shaped the ways we think about image and reputation in

the digital age. Tracking the successes and failures of companies claiming to control our digital ephemera, Draper takes us inside an industry that has commodified strategies of information control. This book is a discerning overview of the debate around who controls our data, who buys and sells it, and the consequences of treating privacy as a consumer good.

NASA DoD aerospace knowledge diffusion research project. Report number 6, The relationship between the use of U.S. government technical reports by U.S. aerospace engineers and scientists and selected institutional and sociometric variables

DIANE Publishing

The Firm as a Collaborative Community

Reconstructing Trust in the Knowledge Economy

Oxford University Press on Demand This volume explores the changing nature of community in modern corporations. Community within and between firms--the fabric of trust so essential to contemporary business-- has long been based on loyalty. This loyalty has been largely destroyed by three decades of economic turbulence, downsizing and restructuring. Yet community is more important than ever in an increasingly complex, knowledge-intensive economy. The thesis of this volume is that a new form of community is slowly emerging--one that is more flexible and wider in scope than the community of loyalty, and that transcends the limitations of both traditional Gemeinschaft and modern Gesellschaft. We call this form

'collaborative community'. The trend towards collaborative community is difficult to detect amidst the ferocious forces of market and bureaucratic rationalization. But close analysis of some of America's most successful corporations reveals three dimensions of the emerging form: · A shared ethic of interdependent contribution: distinct from the uneasy mix of loyalty and individualism that prevailed for so long; · A formalized set of norms of interdependent process management that include iterative co-design, metaphoric search, and systematic mutual understanding: distinct from both rigid authority hierarchies and informal log-rolling; · An interdependent social identity that supports these organizational features: distinct from both dependent, traditionalistic identities and the independence of the autonomous self that is often associated with Western culture. This volume is a collaborative effort of leading scholars in organization studies to delineate the new form of community and the forces encouraging and constraining it's growth. The contributors combine sociology and psychology theory with detailed analysis of business cases at the firm and inter-firm level.

Industrial Enlightenment

Science, technology and culture in Birmingham and the West Midlands 1760–1820

Manchester University Press Identifies, for the first time, a 'provincial' variant Enlightenment in the West Midlands with Birmingham and the science activities of the Lunar Society as its focal point. Contains a great deal of new research into the history of Birmingham and its district in the eighteenth century. Adds significantly to our knowledge of the functioning of the 'Republic of Letters' in the second half of the eighteenth century. The first case-study demonstration of the dynamics of late eighteenth-century Industrial Enlightenment. Offers a re-evaluation of the role of the Lunar Society, its membership and activities, based on archival evidence never before published.

Current Catalog

Includes subject section, name section, and 1968-1970, technical reports.

Personnel Journal

Spooky Archaeology

Myth and the Science of the Past

University of New Mexico Press Outside of scientific journals, archaeologists are depicted as searching for lost cities and mystical artifacts in news reports, television, video games, and movies like Indiana Jones or The Mummy. This fantastical image has little to do with day-to-day science, yet it is deeply connected to why people are fascinated by the ancient past. By exploring the development of archaeology, this book helps us understand what archaeology is and why it matters. In Spooky Archaeology author Jeb J. Card follows a trail of clues left by adventurers and professional archaeologists that guides the reader through haunted museums, mysterious hieroglyphic inscriptions, fragments of a lost continent that never existed, and deep into an investigation of magic and murder. Card unveils how and why archaeology continues to mystify and why there is an ongoing fascination with exotic artifacts and eerie practices.

Predatory Value Extraction

How the Looting of the Business Enterprise Became the US Norm and How Sustainable Prosperity Can Be Restored

Predatory Value Extraction explains how an ideology of corporate resource allocation known as "maximizing shareholder value" (MSV) that emerged in the 1980s came to dominate strategic thinking in business schools and corporate boardrooms in the United States. Undermining the social foundationsof sustainable prosperity, it resulted in employment instability, income inequity, and slow productivity growth. In explaining what happened to sustainable prosperity, William Lazonick and Jang-Sup Shin focus on the growing imbalance between value creation and value extraction in the U.S. economy,and the corporate-governance institutions that determine this balance in the nation's major business corporations. The imbalance has become so extreme that predatory value extraction is

now a central economic activity, to the point at which the U.S. economy as a whole can be aptly described as avalue-extracting economy.Balancing the contributions of economic actors to value creation with their power to extract value provides the foundation for stable and equitable economic growth. When certain economic actors are able to assert their power to extract far more value than they contribute to the value-creationprocess, an imbalance occurs which, when extreme, leads to dire economic, political, and social consequences. This book not only explores these consequences, but also sets out an agenda for restoring sustainable prosperity.

Clothing

A Global History

Polity * Broad and engaging overview suitable for undergraduates in history, anthropology, cultural studies and fashion studies, as well as the general reader. * Explains why we wear what we do, why most people in the world now dress very similarly and why those who resist Western dress do so.

Consumer Behaviour

A European Perspective

Pearson UK La 4è de couv. indique : "Now in its seventh edition, Consumer Behaviour: A European Perspective provides the most comprehensive, lively and engaging introduction to the behaviour of consumers in Europe and around the world. The new slimline edition has 13 chapters, maintaining its breadth of coverage and making it ideal for second- and third-year undergraduates as well as Master's students. The book links consumer behaviour theory with the real-life problems faced by practitioners in many ways: Marketing opportunity, Marketing pitfalls and Multicultural dimensions boxes throughout the text illustrate the impact consumer behaviour has on marketing activities. Consumer behaviour as I see it boxes feature marketing academics talking about the relevance of consumer behaviour issues to their everyday work. Brand new Case studies about European companies and topics give deep insights into the world of consumer behaviour. New coverage of sustainable consumption, emerging technologies, social media and online behaviour is woven throughout this edition. Online materials including multiple-choice questions and links to useful websites are available on the book's website at www.pearsoned.co.uk/solomon"

National Geographic

Educational Technology

History of Science in America, News and Views

America's Wild and Scenic Rivers

Mobile World

Past, Present and Future

Springer Science & Business Media There is a growing body of interesting research exploring the social shaping of mobile phones, covering a wide range of topics, from new forms of communication, to the changes in time organization, the uses of public places, the display of emotions and the formation and sustaining of communities. This book evaluates the launch and adoption of mobile phones, drawing out lessons for the future. In particular, it explores how social scientists can collaborate with designers and engineers in the development of new devices and uses. It will interest people from both industry and academia. Those working in the mobile communications industry in strategy, design and marketing will find this book of particular interest. In academia, undergraduate and postgraduate students, as well as researchers in a wide range of social science fields will find it a useful reference: sociologists, economists, psychologists in areas such as Science and Technology studies; Cultural studies and New Media studies.

Diffusion of innovations

Traduction et résumé de : "Diffusion of innovations / Everett Rogers. - New-Yprk, The Free Press of Glencoe, 1962"

NASA EP.

Comprehensive Dissertation Index, 1861-1972: Author index

Managing Records as Evidence and Information

Greenwood Publishing Group For the past three decades, policies regarding a variety of information issues have emanated from federal agencies, legislative chambers, and corporate boardrooms. Despite the focus on information policy, it is still a relatively new concept and one only now beginning to be studied. The subject area is wider than believed--archives and records policies, information resources management, information technology, telecommunications, international communications, privacy and confidentiality, computer regulation and crime, intellectual property, and information systems and dissemination. This is not a compendium of policies to be used, but rather an exploration in a more detailed fashion of the fundamental principles supporting the setting of records policies. Records policies are critically important for records professionals to develop and use as a means of strategically managing the information and evidence found in the millions of records created daily, provided that the policies are based on comprehensible principles. This is a series of discourses on the fundamentals of archives and records management needing to be understood before any organization attempts to define and set any policy affecting records and information. The chapters concern defining records, how information technology plays into policy compiling, the fundamental tasks of identifying and maintaining records as critical to records and information policy, public outreach and advocacy as a key objective for such policy, and the role of educating records professionals in supporting sensible records policies.

Forest Soils Research: Theory Reality and Its Role in Technology Transfer

Gulf Professional Publishing This collection represents a unique set of essays on the role of theory in shaping the practice of medicine across disciplinary boundaries. In the context of this volume, "theory" relates to the conceptual models, frameworks, knowledge representations, metaphors and analogies that inform the problem-solving efforts of

practitioners seeking to develop novel dialogues both within and across disciplinary boundaries. Contributors to this volume include computational scientists, chemists, medical researchers, biologists and philosophers, all drawing on personal experience in their respective fields to produce a genuinely interdisciplinary range of perspectives on the common theme of theory in medical thinking and multidisciplinary research practice. * Selected and edited papers from the 10th North American Forest Soils Conference held in Saulte Ste. Marie, Ontario, Canada, July 20-24, 2003 * A unique spin-off from Elsevier's highly regarded journal, Forest Ecology and Management * An estimated 400 pages of the latest findings in forest soil ecology from the most prominent researchers in the field

Storied Inquiries in International Landscapes

An Anthology of Educational Research

IAP Storied Lives: Emancipatory Educational Inquiry—Experience, Narrative, & Pedagogy in the International Landscape of Diversity contains exemplary research practices, strategies, and findings gleaned from the contributions to the 15 issues of the Journal of Critical Inquiry Into Curriculum and Instruction (JCI~>CI). Founding Editor Tonya Huber initiated the JCI~>CI in 1997, as a refereed journal committed to publishing educational scholarship and research of professionals in graduate study. The journal was distinguished by its requirement that the scholarship be the result of the first author's graduate research—according to Cabell's Directory, the first journal to do so. Equally important, the third issue of each volume targeted wide representation of cultures and world regions. "Current thinking on …" written by members of the JCI~>CI Editorial Advisory Board explores state-of-the-art topics related to curriculum inquiry. Illustrations, photography (e.g., Sebastião Salgado's Workers in vol. 2), collage, student-generated art/artifacts, and full-color art enhance cutting-edge methodologies extending educational research through Aboriginal and Native oral traditions, arts-based analysis, found poetry, data poetry, narrative, and case study foci on liberatory pedagogy and social justice action research.

Official Gazette of the United States

Patent and Trademark Office

Patents

Underwater Technology

The Mighty Mississippi

Caxton Press "Over 2,000 miles of the Mississippi River from its source just south of the Canadian border to the Gulf of Mexico described in touristic manner ... its ports, ships & people.

Energy, Society and Environment

Routledge Society's use of energy and technology is at heart of many of the most significant environmental problems of recent years, including problems of health, global warming and acid rain. Use of technology has been a major cause of environmental problems but new technology offers many solutions. Energy, Society and Environment is an introduction to energy and energy use, and the interactions between technology, society and the environment. The book is clearly structured to examine: * key environmental issues, and the harmful impacts of energy use * new technological solutions to environmental problems * implementation of possible solutions * implications for society in developing a sustainable approach to energy use. Social processes and strategic solutions to problems are located within a clear, technological context with topical case studies and informative diagrams illustrating key issues. Energy, Society and Environment examines the potential and limits of technical solutions to environmental problems and suggests the social, economic and political changes necessary to avoid serious environmental damage in the future.

Eagle Resurgent?

The Reagan Era in American Foreign Policy

Boston : Little, Brown

As We Live and Breathe

The Challenge of Our Environment

This book presents the story of man's misuse of the universe.

Media,Technology and Society

A History: From the Telegraph to the Internet

Routledge Challenging the popular myth of a present-day 'information revolution', Media Technology and Society is essential reading for anyone interested in the social impact of technological change. Winston argues that the development of new media forms, from the telegraph and the telephone to computers, satellite and virtual reality, is the product of a constant play-off between social necessity and suppression: the unwritten law by which new technologies are introduced into society only insofar as their disruptive potential is limited.