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[Design Thinking Research](#) Hasso Plattner 2012-01-05 With exclusive coverage of the latest findings of the HPI-Stanford Design Thinking Research program, this latest volume of the annual series affords readers deeper insights into the prerequisites of real innovation and the underlying processes at work.

**Introduction to Compilers and Language Design** Douglas Thain 2019-07-24 A compiler translates a program written in a high level language into a program written in a lower level language. For students of computer science, building a compiler from scratch is a rite of passage: a challenging and fun project that offers insight into many different aspects of computer science, some deeply theoretical, and others highly practical. This book offers a one semester introduction into compiler construction, enabling the reader to build a simple compiler that accepts a C-like language and translates it into working X86 or ARM assembly language. It is most suitable for undergraduate students who have some experience programming in C, and have taken courses in data structures and computer architecture.

*Mobile Learning* János Kristóf Nyíri 2003

**Women's Lived Experiences of the Gender Gap** Angela Fitzgerald 2021-06-20 This book explores gender

inequity and the gender gap from a range of perspectives including historical, motherhood, professional life and diversity. Using a narrative approach, the book shares diverse experiences and perspectives of the gender gap and the pervasive impact it has. Through authors' in-depth insights and critical analysis, each chapter addresses the gender gap by providing a nuanced understanding of the impact of the particular lens. It shares a holistic understanding of lived experiences of gender inequality. The book offers interdisciplinary insights into current political, social, economic and cultural impacts on women and their lived experiences of inequality. It provides multiple voices from across the world and draws on narrative approaches to sharing evidence-based insights. It includes further insights and critique of each chapter to widen the perspectives shared as the gender gap is explored and provide rigorous discussion about what possibilities and challenges are inherent in the proposed solutions as well as offering new ones. Chapter 10 and chapter 11 are available open access under a Creative Commons Attribution 4.0 International License via [link.springer.com](http://link.springer.com).

**Not at Your Service** Björn Franke 2020-12-16 *Not at Your Service: Manifestos for Design* brings together the broad spectrum of beliefs, subjects and practices of designers at Zurich University of the Arts. It offers different approaches and insights on the present-day role and impact of design. It is not conceived as a finished project, but as a fluid document of its time. Collaborative design, interaction within complex systems, attention economics, the ecological shift, visual literacy, gender-neutral design, "quick and dirty" design ethnography, social responsibility, the value of ugliness, death futures, immersive technologies, identity and crises, design as a transformative discipline – all of these topics are presented for debate with passion, conviction and professional expertise.

**Insurgent Public Space** Jeffrey Hou 2010-04-21 Winner of the EDRA book prize for 2012. In cities around the world, individuals and groups are reclaiming and creating urban sites, temporary spaces and informal gathering places. These 'insurgent public spaces' challenge conventional views of how urban areas are defined and used, and how they can transform the city environment. No longer confined to traditional public areas like neighbourhood parks and public plazas, these guerrilla spaces express the alternative social and spatial relationships in our changing cities. With nearly twenty illustrated case studies, this volume shows how instances of insurgent public space occur across the world. Examples range from

community gardening in Seattle and Los Angeles, street dancing in Beijing, to the transformation of parking spaces into temporary parks in San Francisco. Drawing on the experiences and knowledge of individuals extensively engaged in the actual implementation of these spaces, Insurgent Public Space is a unique cross-disciplinary approach to the study of public space use, and how it is utilized in the contemporary, urban world. Appealing to professionals and students in both urban studies and more social courses, Hou has brought together valuable commentaries on an area of urbanism which has, up until now, been largely ignored.

**Nano-Tera.ch** Anil Leblebici 2018-10-26 This book presents the overall vision and research outcomes of Nano-Tera.ch, which is a landmark Swiss federal program to advance engineering system and device technologies with applications to Health and the Environment, including smart Energy generation and consumption. The authors discuss this unprecedented nation-wide program, with a lifetime of almost 10 years and a public funding of more than 120 MCHF, which helped to position Switzerland at the forefront of the research on multi-scale engineering of complex systems and networks, and strongly impacted the Swiss landscape in Engineering Sciences.

**Lean Project Management - How to Apply Lean Thinking to Project Management** Rainer Erne 2022-01-29 This book shows how the principles of Lean Management can be applied to project management and how some typical problems of project management can be solved by this. The author first provides a theoretical description of what project management is about and explains its tasks and methods as well as its limitations. He also describes how the Lean idea came about and derives five principles from it that can also be applied to project management. Along these principles, the author then elaborates typical current challenges of project management and shows how these challenges can be tackled through Lean Project Management. In doing so, he does not stop at the level of principles, but describes specific tasks and tools that are useful especially for experienced practitioners of project management. This book is a translation of the original German 1st edition Lean Project Management – Wie man den Lean-Gedanken im Projektmanagement einsetzen kann by Rainer Erne, published by Springer Fachmedien Wiesbaden GmbH, part of Springer Nature in 2019. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in

terms of content, so that the book will read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors.

Public Relations Research Ansgar Zerfaß 2008-05-08 This volume is a major contribution to the transnational debate on public relations research and communication management. It presents dominant concepts and findings from the scientific community in Germany in English language. At the same time, the compilation contains a selection of the most influential and relevant approaches from European and international researchers. Editors and contributors are renowned academics from all over the world. This book honours Guenter Bentele, one of the international spearheads of public relations research, and gives academics, students and communication managers a focussed insight into the field.

Business Ethics 3.0 Erhard Meyer-Galow 2018-05-22 The reputation of business managers is declining due to their disregard for moral decisions and ethical practices. Business students are currently taught only technical knowledge without concern for being compassionately and holistic engaged. However, when entering the business sector these graduates encounter a world which necessitates difficult, personally challenging decisions, ones for which technical knowledge is insufficient. Successful, sustainable resolutions can only be expected to result from a holistic, sustainable approach which accommodates the difficulty in balancing ethical practices with the demands for ever-increasing profits. This unique graduate textbook addresses the issue of business ethics from the perspective of an individual's internal growth facilitated by a consideration of the principles of depth psychology, spiritual wisdom, meditation, and quantum physics, written by a CEO with an enormous business background. It not only promotes a new ethical approach, but also addresses the implementation of this new approach in the most important business sectors as a replacement for previous ineffective codes of conduct which have failed. It's a must read for business students with aspirations of becoming managers or entrepreneurs in the economic sector as well as for all young professionals, managers and entrepreneurs to improve their ethical performance and sustainable success. Message from the author This book creates an impetus for change in a business world where unethical practices are rampant by providing a suggested a New Integral Ethics for the economy, an ethical approach based upon inner psychological and spiritual development arising

from a serious consideration of Depth Psychology. Readers will learn how adoption of specific Practices, which lead to inner growth and spiritual maturity, will result in ethical, morally sound business practices not because they are mandated, but because once the SELF is actualized, you cannot do otherwise. Laws, appeals and directives which have never successfully resulted in ethical practices become unnecessary, replaced by intrinsically ethical individuals who collectively influence corporate ethical behaviour. This is a giant leap into a new dimension in our globalized, digitized economy. "Business Ethics 3.0, by Erhard Meyer-Galow provides a much needed beacon of light to a segment of our society that seem to be sinking deeper and deeper into darkness. The term "business ethics", once an important topic within the business community, has slowly descended through the fog of profitable ends justifying unprincipled means to become nothing more than a self-contradictory oxymoron -- especially among large international corporations. In Business Ethics 3.0, Erhard Meyer-Galow has taken a fresh approach that appeals to individual personal growth rather than the usual proffering of academic arguments that are not implementable in the real world of relentless Machiavellian competition. Only through raising and improving individual awareness and responsibility can real long-term change have a chance of developing. Business Ethics 3.0 is on the right track with a positive and compelling message...may it succeed where the academics have failed." Thomas Campbell, physicist, consciousness researcher, author of My big TOE Finalist at the 2018 Humanistic Management Book Awards

*Oral Board Review for Oral and Maxillofacial Surgery* Robert Reti 2020-12-05 The oral board exam for the American Board of Oral and Maxillofacial Surgery (ABOMS) can be intimidating to many surgeons due to the broad range of information one must know for the exam. However, while the examination guidelines provide a general outline of topics that may be covered, there is no true direction on how to prepare for it. Traditionally, candidates do so by using what are considered "underground" databanks, previous test questions, and power point presentations that run the gamut of commonly covered material. Until now, there have been no current comprehensive oral board review books available for the Oral and Maxillofacial Surgery boards. *Oral Board Review for Oral and Maxillofacial Surgery* fills that gap as the go-to resource for those attempting to successfully challenge the oral boards and for residents to polish up on their training. Edited and authored by top physicians in the field, this book is concise and easy to read, yet thorough with high yield information. An outline of the pertinent material is reviewed, and a patient

work up is presented. Important questions to ask, signs to look for, and labs/images to order are included. It also includes tables and keywords that are typically mentioned on the exam and also offers explanations to some key points. Next are cases, which are presented in a question and answer format. As the case progresses, more complicated scenarios requiring management are presented. Lastly, complications are covered, which is the final section of each board scenario. Included are basic topics the surgeon needs to know, followed by topics that are nice to know, and numerous highly debated/complex questions that are discussed among candidates preparing for the exam. It should be noted that the authors are not privy to any inside information about the exam. What is presented is material candidates that have successfully passed the exam feel is important to know. This book is not endorsed by American Association of Oral and Maxillofacial Surgeons or the American Board of Oral and Maxillofacial Surgery.

*Childhood, Youth And Social Change* Lynne Chisholm 2005-08-04 The English language version of proceedings of a bilateral UK/FRG conference held at Philipps Universitaet, Marburg. The theme of this conference was the examination of childhood and youth as life-stages in the context of contemporary social and cultural change, with an eye to future developments.

**Languages for Special Purposes** John Humbley 2018-10-22 This handbook gives an overview of language for special purposes (LSP) in scientific, professional and other contexts, with particular focus on teaching and training. It provides insights into research paradigms, theories and methods while also highlighting the practical use of LSPs in concrete discourse situations. The volume is transdisciplinary oriented with a firm basis in the language sciences, including terminology, knowledge transfer, multilingual and cross-cultural exchange.

**Order Ethics: An Ethical Framework for the Social Market Economy** Christoph Luetge 2016-07-26 This book examines the theoretical foundations of order ethics and discusses business ethics problems from an order ethics perspective. Order ethics focuses on the social order and the institutional environment in which individuals interact. It is a well-established paradigm in European business ethics. The book contains articles written by leading experts in the field and provides both a concise introduction to order ethics and short summary articles homing in on specific aspects of the order-ethical paradigm. It presents

contributions describing fundamental concepts, historical roots, and the economic, social, and philosophical background of the theory. The second part of the handbook focuses on the theory's application in business, society, and politics, casting new light on an array of topics that loom large in contemporary ethical discourse.

The Transcultural Critic: Sabahattin Ali and Beyond Seyda Ozil 2017 The central theme of this volume is the work of Sabahattin Ali, the Turkish author and translator from German into Turkish who achieved posthumous success with his novel *Kürk Mantolu Madonna* (The Madonna in the Fur Coat). Our contributors analyze this novel, which takes place largely in Germany, and several other texts by Ali in the context of world literature, (cultural) translation, and intertextuality. Their articles go far beyond the intercultural love affair that has typically dominated the discussion of Madonna. Other articles consider Zafer Çenocak's essay collection *Deutschsein* and transcultural learning through picture books. An interview with Selim Özdoğan rounds out the issue.

**Handbook on Knowledge Management 1** Clyde Holsapple 2013-04-17 As the most comprehensive reference work dealing with knowledge management (KM), this work, consisting of 2 volumes, is essential for the library of every KM practitioner, researcher, and educator. Written by an international array of KM luminaries, its approx. 60 chapters approach knowledge management from a wide variety of perspectives ranging from classic foundations to cutting-edge thought, informative to provocative, theoretical to practical, historical to futuristic, human to technological, and operational to strategic. Novices and experts alike will refer to the authoritative and stimulating content again and again for years to come.

**New Online Retailing** Gerrit Heinemann 2010-11-01 The authors describe in detail what makes today's online retailing different and provide 8 central success factors for the new generation of Internet sales. Based on internationally recognized best practices, it becomes obvious what makes online retailers successful. The authors pull together "lessons learned" from the last 10 years, and give readers a tour of the future of online selling.

**The Statesman's Yearbook 2021** Palgrave Macmillan 2020-10-14 Now in its 157th edition, The

Statesman's Yearbook continues to be the reference work of choice for accurate and reliable information on every country in the world. Covering political, economic, social and cultural aspects, the Yearbook is also available online for subscribing institutions.

*Social - Local - Mobile* Gerrit Heinemann 2014-11-20 In the future, shopping will be greatly influenced by a combination of localization issues, mobile internet at the point of sale, and use of social networks. This book focuses on the 'SoLoMo synergies' that arise from this paradigm shift in future shopping, which also promises new and effective marketing options for traditional retailers. It also reflects the current status of research and business practice, analyzing the basic factors of SoLoMo in detail. The importance of Location-based Services (LBS) is elaborated and analyzed in an empirical study using a market based case of kaufDA – a leading German online shopping network. The evidence shows that customers see LBS as an attractive tool and are prepared to change their buying behavior. Though LBS is still in its early stages and its professional longevity remains to be seen, it also promises tremendous potential for the future.

*Design Thinking* Hasso Plattner 2010-12-13 "Everybody loves an innovation, an idea that sells." But how do we arrive at such ideas that sell? And is it possible to learn how to become an innovator? Over the years Design Thinking – a program originally developed in the engineering department of Stanford University and offered by the two D-schools at the Hasso Plattner Institutes in Stanford and in Potsdam – has proved to be really successful in educating innovators. It blends an end-user focus with multidisciplinary collaboration and iterative improvement to produce innovative products, systems, and services. Design Thinking creates a vibrant interactive environment that promotes learning through rapid conceptual prototyping. In 2008, the HPI-Stanford Design Thinking Research Program was initiated, a venture that encourages multidisciplinary teams to investigate various phenomena of innovation in its technical, business, and human aspects. The researchers are guided by two general questions: 1. What are people really thinking and doing when they are engaged in creative design innovation? How can new frameworks, tools, systems, and methods augment, capture, and reuse successful practices? 2. What is the impact on technology, business, and human performance when design thinking is practiced? How do the tools, systems, and methods really work to get the innovation you want when you want it? How do

they fail? In this book, the researchers take a system's view that begins with a demand for deep, evidence-based understanding of design thinking phenomena. They continue with an exploration of tools which can help improve the adaptive expertise needed for design thinking. The final part of the book concerns design thinking in information technology and its relevance for business process modeling and agile software development, i.e. real world creation and deployment of products, services, and enterprise systems.

*Advances in Production Management Systems. Production Management for the Factory of the Future*  
Farhad Ameri 2019-08-23 The two-volume set IFIP AICT 566 and 567 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2019, held in Austin, TX, USA. The 161 revised full papers presented were carefully reviewed and selected from 184 submissions. They discuss globally pressing issues in smart manufacturing, operations management, supply chain management, and Industry 4.0. The papers are organized in the following topical sections: lean production; production management in food supply chains; sustainability and reconfigurability of manufacturing systems; product and asset life cycle management in smart factories of industry 4.0; variety and complexity management in the era of industry 4.0; participatory methods for supporting the career choices in industrial engineering and management education; blockchain in supply chain management; designing and delivering smart services in the digital age; operations management in engineer-to-order manufacturing; the operator 4.0 and the Internet of Things, services and people; intelligent diagnostics and maintenance solutions for smart manufacturing; smart supply networks; production management theory and methodology; data-driven production management; industry 4.0 implementations; smart factory and IIOT; cyber-physical systems; knowledge management in design and manufacturing; collaborative product development; ICT for collaborative manufacturing; collaborative technology; applications of machine learning in production management; and collaborative technology.

**Quick Reference Handbook for Surgical Pathologists** Natasha Rekhtman 2011-08-27 This book is a compilation of high-yield, at-a-glance summaries for various topics on which pathologists frequently need information in a quick reference format while at the microscope (or when cramming for the boards). The

authors are early-career pathologists who have compiled this book from the perspective of pathologists-in-training. The focus is not organ-based histologic criteria, but rather everything else that goes into pathologic diagnoses but is difficult to keep committed to memory. The emphasis is on immunohistochemistry, special stains, grading systems, molecular markers, tumor syndromes, and helpful clinical references. The book has a unique format in that the information is presented primarily in tables and diagrams accompanied by minimal explanatory text. It is intended to serve as a 'peripheral brain' for pathology residents and also practicing pathologists, where frequently needed information is readily accessible and easy to navigate.

*Handbook on Decision Support Systems 1* Frada Burstein 2008-01-22 Decision support systems have experienced a marked increase in attention and importance over the past 25 years. The aim of this book is to survey the decision support system (DSS) field – covering both developed territory and emergent frontiers. It will give the reader a clear understanding of fundamental DSS concepts, methods, technologies, trends, and issues. It will serve as a basic reference work for DSS research, practice, and instruction. To achieve these goals, the book has been designed according to a ten-part structure, divided in two volumes with chapters authored by well-known, well-versed scholars and practitioners from the DSS community.

**Erfolgreiches Benchmarking** Lauri O. Salonen 2008

*Ubiquitous User Modeling* Dominikus Heckmann 2006

*German Technical Dictionary* ROUTLEDGE 2004 Since its publication in 1995, the German Technical Dictionary has established itself as the definitive resource for anyone who needs to translate technical documents between German and English. This new edition has been substantially revised to reflect the technological environment of the twenty-first century. The revised edition contains over 75,000 entries, of which over 5,000 are new, with many new entries in the areas of: \* the internet and telecommunications \* bio-technology and the new genetics \* new developments in health technology. Throughout, this dictionary continues to benefit from the features that made the first edition so valuable, including accurate

translations in British and American English and an attractive, durable and easy to use layout.

Facilitation and Debriefing in Aviation Training and Operations R. Key Dismukes 2017-03-02 This practical guide is designed to enable individual pilots, training departments and airline managers to better understand and use the techniques of facilitation. Based on extensive field studies by the editors and invited contributors, it presents an easily accessible guide to the philosophy of facilitation combined with practical applications designed to improve training and flight operations. Illustrated with realistic examples from aviation settings, and specifically designed for aviation professionals, the applications include: \* debriefing of training sessions \* crew self-debriefing of line operations \* analysis of problematic flight incidents \* assisting crew members after traumatic events It will be essential reading for managers and instructors in airline training departments, flight training organizations, flight schools and researchers in flight training.

Design Thinking Research Christoph Meinel 2021-03-26 Extensive research conducted by the Hasso Plattner Design Thinking Research Program at Stanford University in Palo Alto, California, USA, and the Hasso Plattner Institute in Potsdam, Germany, has yielded valuable insights on why and how design thinking works. The participating researchers have identified metrics, developed models, and conducted studies, which are featured in this book, and in the previous volumes of this series. This volume provides readers with tools to bridge the gap between research and practice in design thinking with varied real world examples. Several different approaches to design thinking are presented in this volume. Acquired frameworks are leveraged to understand design thinking team dynamics. The contributing authors lead the reader through new approaches and application fields and show that design thinking can tap the potential of digital technologies in a human-centered way. In a final section, new ideas in neurodesign at Stanford University and at Hasso Plattner Institute in Potsdam are elaborated upon thereby challenging the reader to consider newly developed methodologies and provide discussion of how these insights can be applied to various sectors. Special emphasis is placed on understanding the mechanisms underlying design thinking at the individual and team levels. Design thinking can be learned. It has a methodology that can be observed across multiple settings and accordingly, the reader can adopt new frameworks to modify and update existing practice. The research outcomes compiled in this book are intended to inform and

provide inspiration for all those seeking to drive innovation – be they experienced design thinkers or newcomers.

Dienstleistungsunternehmen erfolgreich gestalten H. Luczak 2003-07-03 Um der Vitalität im Dienstleistungsbereich gerecht zu werden, müssen immer wieder neue Wege beschritten werden. Das Buch stellt innovative Vorgehensweisen zum Thema "Benchmarking" vor - es geht um die Entwicklung von Vergleichskriterien, um die eigene Wettbewerbsfähigkeit zu potenzieren. Praxisbeispiele verdeutlichen dabei die konkreten Anwendungs- und Umsetzungsmöglichkeiten. Die in diesem Buch geschilderten Praxisprojekte demonstrieren die Bandbreite des Benchmarkings im Dienstleistungsbereich. Ausgehend von verschiedenen Branchen und Unternehmen werden die konkreten Anwendungsfelder und Einsatzmöglichkeiten erläutert. Anhand des Leitfadens können selbständig Vergleichskriterien entwickelt und die Wettbewerbsfähigkeit von Firmen erheblich gesteigert werden.

**Postmodern Practices** Thomas Dörfler 2002

*Automation, Communication and Cybernetics in Science and Engineering 2011/2012* Sabina Jeschke 2012-12-22 The book is the follow-up to its predecessor "Automation, Communication and Cybernetics in Science and Engineering 2009/2010" and includes a representative selection of all scientific publications published between 07/2011 and 06/2012 in various books, journals and conference proceedings by the researchers of the following institute cluster: IMA - Institute of Information Management in Mechanical Engineering ZLW - Center for Learning and Knowledge Management IfU - Associated Institute for Management Cybernetics Faculty of Mechanical Engineering, RWTH Aachen University Innovative fields of application, such as cognitive systems, autonomous truck convoys, telemedicine, ontology engineering, knowledge and information management, learning models and technologies, organizational development and management cybernetics are presented.

**Cerebral Palsy** Freeman Miller 2006-05-08 When a child has a health problem, parents want answers. But when a child has cerebral palsy, the answers don't come quickly. A diagnosis of this complex group of chronic conditions affecting movement and coordination is difficult to make and is typically delayed until

the child is eighteen months old. Although the condition may be mild or severe, even general predictions about long-term prognosis seldom come before the child's second birthday. Written by a team of experts associated with the Cerebral Palsy Program at the Alfred I. duPont Hospital for Children, this authoritative resource provides parents and families with vital information that can help them cope with uncertainty. Thoroughly updated and revised to incorporate the latest medical advances, the second edition is a comprehensive guide to cerebral palsy. The book is organized into three parts. In the first, the authors describe specific patterns of involvement (hemiplegia, diplegia, quadriplegia), explain the medical and psychosocial implications of these conditions, and tell parents how to be effective advocates for their child. In the second part, the authors provide a wealth of practical advice about caregiving from nutrition to mobility. Part three features an extensive alphabetically arranged encyclopedia that defines and describes medical terms and diagnoses, medical and surgical procedures, and orthopedic and other assistive devices. Also included are lists of resources and recommended reading.

*Francis Kéré and Iwan Baan: Momentum of Light* 2021-09-07 Two stars of contemporary architecture explore the unique handling of light and heat in the architecture of Burkina Faso Across the African continent, but especially in the sub-Saharan regions, the light has a particularly stark quality, which becomes most apparent in relation to older buildings. Before electricity, architecture was required to make use of the sun as a light source within a building, while also protecting its inhabitants from the heat. This resulted in vernacular architecture that features very few or small openings, which consequently render the inside of a building near pitch black, while the outside is illuminated by sunshine that bears down mercilessly. On the initiative of the lighting technology company Zumtobel Group, photographer Iwan Baan (born 1975) and architect Francis Kéré (born 1965) set out to capture how the sun's natural light cycle shapes vernacular architecture in Burkina Faso with little to no artificial light sources. They traveled to three exemplary locations: communal compounds in Gando; the main mosque of Bobo Dioulasso; and the terraced houses in Dano. Baan's pictures are accompanied by architectural sketches by Francis Kéré, who himself grew up in this light environment and whose architecture is inspired by it. The stunning photographs are printed using a special technique, to give a sense of being immersed in the very light conditions documented here.

Complex Problem Solving Peter A. Frensch 2014-04-04 This volume presents a state-of-the-science review of the most promising current European research -- and its historic roots of research -- on complex problem solving (CPS) in Europe. It is an attempt to close the knowledge gap among American scholars regarding the European approach to understanding CPS. Although most of the American researchers are well aware of the fact that CPS has been a very active research area in Europe for quite some time, they do not know any specifics about even the most important research. Part of the reason for this lack of knowledge is undoubtedly the fact that European researchers -- for the most part -- have been rather reluctant to publish their work in English-language journals. The book concentrates on European research because the basic approach European scholars have taken to studying CPS is very different from one taken by North American researchers. Traditionally, American scholars have been studying CPS in "natural" domains -- physics, reading, writing, and chess playing -- concentrating primarily on exploring novice-expert differences and the acquisition of a complex skill. European scholars, in contrast, have been primarily concerned with problem solving behavior in artificially generated, mostly computerized, complex systems. While the American approach has the advantage of high external validity, the European approach has the advantage of system variables that can be systematically manipulated to reveal the effects of system parameters on CPS behavior. The two approaches are thus best viewed as complementing each other. This volume contains contributions from four European countries -- Sweden, Switzerland, Great Britain, and Germany. As such, it accurately represents the bulk of empirical research on CPS which has been conducted in Europe. An international cooperation started two years ago with the goal of bringing the European research on complex problem solving to the awareness of American scholars. A direct result of that effort, the contributions to this book are both informative and comprehensive.

Users & Machine Learning-based Curation Systems Hendrik Heuer 2020-09-03 Users are increasingly interacting with machine learning (ML)-based curation systems. YouTube and Facebook, two of the most visited websites worldwide, utilize such systems to curate content for billions of users. Contemporary challenges such as fake news, filter bubbles, and biased predictions make the understanding of ML-based curation systems an important and timely concern. Despite their political, social, and cultural importance, practitioners' framing of machine learning and users' understanding of ML-based curation systems have

not been investigated systematically. This is problematic since machine learning - as a novel programming paradigm in which a mapping between input and output is inferred from data - poses a variety of open research questions regarding users' understanding. The first part of this thesis provides the first in-depth investigation of ML-based curation systems as socio-technical systems. The second part of the thesis contributes recommendations on how ML-based curation systems can and should be explained and audited. The first part analyses practitioners' framing of ML by examining how the term machine learning, ML applications, and ML algorithms are framed in tutorials. The thesis also investigates the beliefs that users have about YouTube and introduces a user belief framework of ML-based curation systems. Furthermore, it demonstrates how limited users' capabilities for providing input data for ML-based curation systems are. The second part evaluates different explanations of ML-based systems. This evaluation uncovered an explanatory gap between what is available to explain ML-based curation systems and what users need to understand such systems. Informed by this explanatory gap, the second part of this thesis demonstrates that audits of ML systems can be an important alternative to explanations. This demonstration of audits also uncovers a popularity bias enacted by YouTube's ML-based curation system. Based on these findings, the thesis recommends performing audits to ensure that ML-based systems act in the public's interest. Keywords: Algorithmic Bias; Algorithmic Experience; Algorithmic Transparency; Algorithms; Fake News; Human-Centered Machine Learning; Human-Computer Interaction; Machine Learning; Artificial Intelligence; Recommender Systems; Social Media; Trust; User Beliefs; User Experience; Video Recommendations; YouTube

The Once-Only Principle Robert Krimmer 2021-07-02 This open access State-of-the-Art Survey describes and documents the developments and results of the Once-Only Principle Project (TOOP). The Once-Only Principle (OOP) is part of the seven underlying principles of the eGovernment Action Plan 2016-2020. It aims to make the government more effective and to reduce administrative burdens by asking citizens and companies to provide certain standard information to the public authorities only once. The project was horizontal and policy-driven with the aim of showing that the implementation of OOP in a cross-border and cross-sector setting is feasible. The book summarizes the results of the project from policy, organizational, architectural, and technical points of view.

*Winning in Turbulence* Darrell Rigby 2009-08-24 The current downturn may prove more brutal than most previous recessions. It's already hammering companies in markets around the globe. It will test businesses to their fullest-many won't survive. But downturns present strategic opportunities, too. In fact, many more companies achieve dramatic gains during recessions than in normal times. How to ensure your company emerges successful? In *Winning in Turbulence*, a new volume in the Memo to the CEO series, Bain & Company downturn strategist Darrell Rigby provides the playbook. He presents a powerful framework and diagnostic tool (available in the book and online) for assessing three dimensions of your situation: Your industry's sensitivity: How hard is it hit by this downturn? Your company's strategic position: Are you an industry leader or follower? Your firm's financial position, including cash reserves. The author then explains how to craft an action plan tailored to the situation you've diagnosed, providing tools for: Cutting costs intelligently-sustaining your margins and brand Boosting revenue by refocusing your sales force on the right customers Channeling resources into your core businesses Preparing for bold moves, such as game-changing acquisitions Timely and practical, this book positions you to survive a downturn and emerge stronger once the recovery begins.

*International Perspectives on School Settings, Education Policy and Digital Strategies* Annika Wilmers 2021-02-15 An exchange on education ideas has shaped the transatlantic discourse in education for a long time. Over the past two decades education science has increasingly become networked internationally. Since 2015, the Office for International Cooperation in Education at DIPF | Leibniz Institute for Research and Information in Education has organized international sessions on education research at the Annual Meetings of the American Educational Research Association, thus providing a floor for transatlantic exchange on current research topics. The volume gives an overview of the transatlantic activities in education research with regard to these sessions representing a collection of topics ranging from school development over the use of large scale assessment and digital data in education to questions related to migration and public education or the economization of education. At the same time the volume offers a reflection on the assets and obstacles of international exchange.

**Clean Transport Documents 1989**

**Building Sustainable Communities** Mike Raco 2007-01-10 In 2003 the Labour Government published its ambitious Sustainable Communities Plan. It promised to bring about a 'step change' in the English planning system and a new emphasis on the construction of more balanced, cohesive, and competitive places. This book uses historical and contemporary materials to document the ways in which policy-makers, in different eras, have sought to use state powers and regulations to create better, more balanced, and sustainable communities and citizens. It charts the changes that have taken place in community-building policy frameworks, place imaginations, and core spatial policy initiatives in the UK since 1945. In so doing, it examines the tensions that have emerged within spatial policy over the types of places that should be created and the forms of mobility and fixity required to create them. It also shows that there are significant lessons that can be learnt from the experiences of the past. These can be used to inform contemporary policy debates over issues such as migration, uneven development, key worker housing, and sustainability. The book will be an important text for students and researchers in geography, urban studies, planning, and modern social history. It will also be of interest to practitioners working in central and local government, voluntary organisations, community groups, and those involved in the planning and design of sustainable communities.