

Embracing Complexity Strategic Perspectives For An Age Of Turbulence

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Memetics and Evolutionary Economics Michael P. Schlaile 2020-12-21 This book explores the question of whether and how meme theory or "memetics" can be fruitfully utilized in evolutionary economics and proposes an approach known as "economemetics" which is a combination of meme theory and complexity theory that has the potential to combat the fragmentation of evolutionary economics while re-connecting the field with cultural evolutionary theory. By studying the interconnection of cultural and economic evolution, complexity economics, computational economics, and network science, the authors establish a connection between memetics and evolutionary economics at different levels of investigation. The book first demonstrates how a memetic approach to economic evolution can help to reveal links and build bridges between different but complementary concepts in evolutionary economics. Secondly, it shows how organizational memetics can help to capture the complexity of organizational culture using meme mapping. Thirdly, it presents an agent-based simulation model of knowledge diffusion and assimilation in innovation networks from a memetic perspective. The authors then use agent-based modeling and social network analysis to evaluate the diffusion pattern of the Ice Bucket Challenge as an example of a "viral meme." Lastly, the book discusses the central issues of agency, creativity, and normativity in the context of economemetics and suggests promising avenues for further research.

Tools and Techniques of Leadership and Management Ralph Stacey 2012-06-25 Many of today's books on the tools and techniques of leadership and management provide descriptions of long lists for use in decision-making, leading, coaching and project management. This book takes a completely different approach. It contests the claims that the tools and techniques are based on evidence and explains why human activities of leading and managing are simply not amenable to scientific proof and consequently, why long-term futures of organizations are unpredictable. The book undertakes a critical exploration of just what these tools and techniques are about; showing that while they may lead to competent performance they cannot go further to expert performance because expertise involves going beyond rules and procedures. Ralph Stacey investigates the many questions that are thrown up as a result of this new approach. Questions such as: How do we apply this new way of thinking? What are the practical tools and techniques it gives us? What is the role of leaders in an unpredictable world? How does complexity affect the way organizations are structured and function? This book will be relevant to students on courses and modules that deal with leadership, decision-making and organizational development and behaviour as well as professional leaders and managers who want to develop their own understanding and techniques.

Exploring the Implications of Complexity Thinking for Translation Studies Kobus Marais 2021-12-28 Exploring the Implications of Complexity Thinking for Translation Studies considers the new link between translation studies and complexity thinking. Edited by leading scholars in this emerging field, the collection builds on and expands work done in complexity thinking in translation studies over the past decade. In this volume, the contributors address a variety of implications that this new approach holds for key concepts in Translation Studies such as source vs. target texts, translational units, authorship, translatorship, for research topics including translation data, machine translation, communities of practice, and for research methods such as constraints and the emergence of trajectories. The various chapters provide valuable information as to how research methods informed by complexity thinking can be applied in translation studies. Presenting theoretical and methodological contributions as well as case studies, this volume is of interest to advanced students, academics, and researchers in translation and interpreting studies, literary studies, and related areas.

Enterprise Agile Coaching Cherie Silas 2021-12-15 When an Agile coach leaves an organization, the changes developed during their tenure should not roll backward. Compliance is somewhat easy to install and takes hold rather quickly. The challenge with that approach is that when the forcing mechanism (Agile coach) is removed, much of the compliance rolls back to the original position. Sustainable change requires a different strategy. This book introduces the concept of utilizing an Invitational Approach to Enterprise Agile Coaching which can be a crucial catalyst for integrating sustainable change by putting the client in the seat of responsibility.

Global Ecopolitics Revisited Philippe Le Prestre 2017-02-10 Faced with worsening environmental indicators, cooperation hurdles, and the limited effectiveness of current institutions, reforming international environmental governance has proven elusive, despite various diplomatic initiatives at the United Nations level over the last two decades. Overcoming the current dead end, however, may rest less in devising new arrangements than in challenging how the problem has been approached. Presenting a multifaceted exploration of some of the key issues and questions in global ecopolitics, this book brings together recent advances in research on global environmental governance in order to identify new avenues of inquiry and action. Each chapter questions elements of the current wisdom and covers a topic that lies at the heart of global environmental governance, including the reasons for engagement, the evolving relationship between science and policy, the potential and limits of the European Union as a key actor, the role of developing and emergent countries, and the contours of a complex governance of international environmental issues. Laying the foundation for rethinking at a time of great transformation in global ecopolitics, this book will be important reading for students of environmental politics and governance. It will also be of relevance to policy makers with an interest in going beyond the prevailing discourse on this crucial topic.

Global Challenges, Governance, and Complexity Victor Galaz 2019-12-27 There is an increased interest in integrating insights from the complexity sciences to studies of governance and policy. While the issue has been debated, and the term of 'complexity' has multiple and sometimes contested interpretations, it is also clear the field has spurred a number of interesting theoretical and empirical efforts. The book includes key thinkers in the field, elaborates on different analytical approaches in studying governance, institutions and policy in the face of complexity, and showcases empirical applications and insights.

New Metropolitan Perspectives Carmelina Bevilacqua 2020-01-01 This open access book presents the outcomes of the symposium "NEW METROPOLITAN PERSPECTIVES," held at Mediterranea University, Reggio Calabria, Italy on May 26-28, 2020. Addressing the challenge of Knowledge Dynamics and Innovation-driven Policies Towards Urban and Regional Transition, the book presents a multi-disciplinary debate on the new frontiers of strategic and spatial planning, economic programs and decision support tools in connection with urban-rural area networks and metropolitan centers. The respective papers focus on six major tracks: Innovation dynamics, smart cities and ICT; Urban regeneration, community-led practices and PPP; Local development, inland and urban areas in territorial cohesion strategies; Mobility, accessibility and infrastructures; Heritage, landscape and identity; and Risk management, environment and energy. The book also includes a Special Section on Rhegion United Nations 2020-2030. Given its scope, the book will benefit all researchers, practitioners and policymakers interested in issues concerning metropolitan and marginal areas.

Leadership in Complexity and Change Sharon Varney 2021-10-25 If we needed a reminder that the world is complex and in constant motion, then 2020 certainly delivered. Suddenly, the inherent uncertainties and ambiguities of leadership were starkly revealed for all to see as the dynamics of complexity and change played out intensively, and very publicly, on the global stage. Leadership in Complexity and Change draws on complexity science to paint a picture of a world in constant motion, where leadership is enacted in the midst of complexity and continuous change. We must learn to engage with complexity. If not now, when? Part I of this insightful book brings complexity science to life by considering the practical challenges of complexity and its implications for leadership. Part II considers how leaders can reinvigorate existing tools and approaches with a new mindset, before offering some new tools and practices for learning informed leadership. Part III concludes by considering the person in the practice of leadership in complexity and change. Key ideas are presented through mini-cases and practical examples embedded throughout the book. This book will help executives, managers, and professionals recognise where some of the challenges come from understand why those challenges persist engage with the dynamic patterning of organisational life appreciate the scope for leadership recognise the choices that can be made choose how to manage themselves *Experiencing Food: Designing Sustainable and Social Practices* Ricardo Bonacho 2020-10-01 Experiencing Food: Designing Sustainable and Social Practices contains papers on food, sustainability and social practices research, presented at the 2nd International Conference on Food Design and Food Studies, held November 28-30, 2019, at the Faculty of Architecture, University of Lisbon, Lisbon, Portugal. The conference and resulting papers reflect on interdisciplinarity as not limited to the design of objects or services, but seeking awareness towards new lifestyles and innovative approaches to food sustainability.

Society as an Interaction Space Hanna Lehtimäki 2020-02-29 As digitalization and social media are increasingly blurring the boundaries between traditional societal, political, and economic institutions, this book provides a cross-disciplinary examination of value co-creation. From various standpoints, it examines how institutions contribute to service ecosystems and how digitalization is transforming value co-creation in these ecosystems. Further, the book shares new perspectives on relational dynamics among government, companies, and citizens. These insights fill the gaps between service science and political science by integrating institutional logics into the concept of value co-creation. The book subsequently examines society as an interaction space. Topics discussed include the new logic and transformation mechanisms of economic activities, citizen participation, governance, and policy-making in the face of technological innovations, market-based reforms, and the risk of disconnect between citizens and policy-making. Here the focus is on value co-creation in complex adaptive systems where institutions, individuals, and businesses negotiate value and interests in networked relations. In closing, the book presents a range of empirical case studies on value co-creation, which provide examples of active networked citizenship, innovative governance and policy-making, democratic leadership, and trust-building dialogue among institutions. The studies address the context of Nordic countries, recognized as world-leading democracies. Pursuing a systems approach, the book articulates a social reality composed of interacting and interconnected elements that cannot be captured with only micro or macro levels of analysis. Service ecosystems are considered as configurations of people and technologies embedded in institutionalized rules, cultural meanings, and practices, offering valuable insights into the service-centered view of markets and society. Given the breadth and depth of its coverage, the book offers a valuable resource for all students and scholars interested in understanding and envisioning the future democratic landscape.

Thriving at the Edge of Chaos Jonathan Sapir 2019-12-03 For many organizations, the way in which projects are managed is a fundamental factor in how well they can prosper in today's marketplace. Unfortunately, the current solutions available to companies for managing projects are proving to be increasingly ineffective in a complex world that is becoming more and more dynamic and unpredictable. Organization's pay for this complexity in delayed time-to-market, slow response to customer needs, and decreased productivity. While tweaking the current project management paradigm may provide some minimal gains, to have a real impact requires a fundamental change in mindset. New business models like Uber and Airbnb show us that the most efficient operations in today's business environment behave like complex adaptive systems (CAS) where self-managing participants, following a set of simple rules, organize themselves to solve incredibly complex problems. Instead of trying to function like a "well-oiled machine" where things "work like clockwork", companies like Uber function more like an organism that is alive and constantly changing. They fully embrace the characteristics of a CAS. Viewing an organization as a complex adaptive system drives a radically new philosophy of project management that is much better suited to the needs of the 21st-century organization and can provide the quantum leap improvement in project production that we are looking for. This book exposes the assumptions underlying the accepted paradigm of project management, describes the common practices that are based on those assumptions, analyzes why these practices are unhelpful and even harmful, and proposes an alternative, sometimes seemingly counter intuitive approach to project management based on CAS thinking. By the end of the book, the reader will have a completely new perspective on the way projects can be managed in their organization, and how they can quickly start reaping the benefits provided by a CAS-driven management methodology and supporting toolset that is more in tune with today's business demands - and that turns complexity into a competitive advantage.

Perspectives on Purpose Nina Montgomery 2019-02-14 Perspectives on Purpose brings together industry leaders to advocate for a more human-centered and socially-conscious future for business. Sharing stories from their work at companies like Ben & Jerry's, Sephora, Airbnb, Diageo, VF Corporation, and Hyatt, these authors demonstrate how weaving purpose into the profit-making core of business helps companies do good and do well. Foreword by Jessica Alba and Christopher Gavigan, Co-founders of The Honest Company Chapters by: Jorge Aguilar (Prophet) Tom Andrews (TJALeadership, SPPartners) Maryam Bankarim (Hyatt, NBC Universal, Gannett, Univision) Ilya Birnbaum and Ryan Hunter (Diageo) Corrie Conrad (Sephora) Alexandra Dimiziani (TwentyFirstCenturyBrand, Ardbal) Ambika Gautam Puri (Wolf & Wilhelmine) Heidi Hackemer (And So We Hunt) Sam Hornsby (TRIPTK) Jonathan Jackson (Harvard University, Blavity) Sam Lieskind (Gin Lane, Wolff Olin) Rob Michalak (Ben & Jerry's) Thomas Arndt (Londor) Frank Oswald (Columbia University) Sarah Potts (Thorn) Matthew Quill (Columbia Business School) Haley Rushing (The Purpose Institute) Letitia Webster (VF Corporation) Freya Williams (Futura) Perspectives on Purpose and its sister book, Perspectives on Impact, bring together leading voices from across sectors to discuss how we must adapt our organizations for the twenty-first century world. Perspectives on Purpose looks at the shifting role of the corporation in society through the lens of purpose; Perspectives on Impact focuses on the recalibration of social impact approaches to tackle complex humanitarian, social, and environmental challenges. You can find Perspectives on Impact: Leading Voices on Making Systemic Change in the Twenty-First Century here: <https://www.amazon.com/Perspectives-Purpose-Building-Businesses-Twenty-First/dp/036711237X>

Sustainable Energy Education in the Arctic Gisele M. Arruda 2019-11-28 This book examines the nature of the 'energy curriculum' in Arctic Higher Education and provides invaluable data and new models to assess levels of Sustainable Development Literacy. Drawing on course mapping conducted in Higher Education institutions across the Arctic, Arruda looks at the nature, structure, and design of the Arctic Higher Education curriculum in order to assess levels of Sustainable Development Literacy and considers the extent to which Arctic Higher Education courses align to UNESCO Education for Sustainable Development (ESD). Using data from four key case studies in Norway, Canada, and the US, and applying a framework drawn from different knowledge systems (Traditional Knowledge and Western educational system), she analyses the different educational approaches and pedagogies used and specifically considers how Higher Education in this region can contribute to the accomplishment of Sustainable Development and the Sustainable Development Goals. The book concludes by proposing new models to assess Higher Education adherence to ESD and outlines how a culturally inclusive curriculum can invite different groups of people to engage in a meaningful Sustainable Development debate, learning experience, and knowledge application. This innovative volume will be of great interest to multicultural students, scholars, and educators of Sustainable Development, climate change, energy, Arctic studies, and global Higher Education across the Arctic and non-Arctic nations.

Handbook on Performance Management in the Public Sector Deborah Blackman 2021-05-28 This timely Handbook examines performance management research specific to the public sector and its contexts, and provides suggestions for future developments in the field. It demonstrates the need for performance management to be reconceptualized as a core component of business both within and across organizations, and how it must be embedded in both strategic decision-making and as a day-to-day leadership and management practice in order to be effective.

Social Synthesis Philip Haynes 2017-08-07 How is it possible to understand society and the problems it faces? What sense can be made of the behaviour of markets and government interventions? How can citizens understand the course that their lives take and the opportunities available to them? There has been much debate surrounding what methodology and methods are appropriate for social science research. In a larger sense, there have been differences in quantitative and qualitative approaches and some attempts to combine them. In addition, there have also been questions of the influence of competing values on all social activities versus the need to find an objective understanding. Thus, this aptly named volume strives to develop new methods through the practice of 'social synthesis', describing a methodology that perceives societies and economies as manifestations of highly dynamic, interactive and emergent complex systems. Furthermore, helping us to understand that an analysis of parts alone does not always lead to an informed understanding, Haynes presents to the contemporary researcher an original tool called Dynamic Pattern Synthesis (DPS) – a rigorous method that informs us about how specific complex social and economic systems adapt over time. A timely and significant monograph, Social Synthesis will appeal to advanced undergraduate and postgraduate students, research professionals and academic researchers informed by sociology, economics, politics, public policy, social policy and social psychology.

Driving Sustainability through Engineering Management and Systems Engineering Simon P. Philbin 2021-09-08 Despite the ongoing impact of the COVID-19 pandemic, the challenge of realizing sustainability across the triple bottom line of social, environmental, and economic development remains an urgent priority. If anything, it is now imperative that we work towards achieving the United Nations Sustainable Development Goals (SDGs). However, the global challenges are significant. Many of the societal challenges represent complex problems that require multifaceted solutions drawing on multidisciplinary approaches. Engineering management involves the management of people and projects related to technological or engineering systems—this includes project management, engineering economy and technology management, as well as the management and leadership of teams. Systems engineering involves the design, integration and management of complex systems over the full life cycle—this includes requirements capture and integrated system design, as well as modelling and simulation. In addition to the theoretical underpinnings of both disciplines, they also provide a range of tools and techniques that can be used to address technological and organisational complexity. The disciplines of engineering management and systems engineering are therefore ideally suited to help tackle both the challenges and the opportunities associated with realising a sustainable future for all. This book provides new insights on how engineering management and systems engineering can be utilised as part of the journey towards sustainability. The book includes a discussion of a broad range of different approaches to investigate sustainability through utilising quantitative, qualitative and conceptual methodologies. The book will be of interest to researchers and students focused on the field of sustainability as well as practitioners concerned with devising strategies for sustainable development.

Complexity Chris Mowles 2021-11-30 This book interprets insights from the complexity sciences to explore seven types of complexity better to understand the predictable unpredictability of social life. Drawing on the natural and social sciences, it

describes how complexity models are helpful but insufficient for our understanding of complex reality. Taking an interdisciplinary approach, the book develops a complex theory of action more consistent with our experience that our plans inevitably lead to unexpected outcomes, explains why we are both individuals and thoroughly social, and gives an account of why, no matter how clear our message, we may still be misunderstood. The book investigates what forms of knowledge are most helpful for thinking about complex experience, reflects on the way we exercise authority (leadership) and thinks through the ethical implications of trying to co-operate in a complex world. Taking complexity seriously poses a radical challenge to more orthodox theories of managing and leading, based as they are on assumptions of predictability, control and universality. The author argues that management is an improvisational practice which takes place in groups in a particular context at a particular time. Managers can influence but never control an uncontrollable world. To become more skilful in complex group dynamics involves taking into account multiple points of view and acknowledging not knowing, ambivalence and doubt. This book will be of interest to researchers, professionals, academics and students in the fields of business and management, especially those interested in how taking complexity seriously can influence the functioning of businesses and organizations and how they manage and lead.

Perspectives on Impact Nina Montgomery 2019-02-14 Perspectives on Impact brings together leaders from across sectors to reflect on our approaches to social change. Sharing diverse examples from their work, these authors show how we must think more systemically and work more collaboratively to move the needle on the biggest social, humanitarian, and environmental challenges facing our world. Chapters by: Niko Canner, Shanti Nayak, and Cynthia Warner (Incandescent) Duncan Green (OxFam) Farah Ramzan Golant (Girl Effect, kyu) Sara Holoubek (Luminary Labs) Joi Ito (MIT Media Lab) Leila Janah (Samasource, LXMI, Samaschool) Amira Jiwa George Kronnisonoy Werner (Republic of Liberia) Chris Larkin (IDEO.org) Eric Maltzer (Medora Ventures, Middlebury College) Jane Nelson (Harvard Kennedy School) Craig Nevill-Manning and Prem Ramaswami (Sidewalk Labs) Jacqueline Novogratz (Acumen) Deena Shakir (GV, formerly Google Ventures) Jose Miguel Sokoloff (MullenLowe Group) Lara Stein (TEDx, Women's March Global) Piyush Tantia (ideas42) Fay Twersky (William & Flora Hewlett Foundation) Sherrie Rollins Westin and Shari Rosenfeld (Sesame Workshop)

Social Investment Jonathan Boston 2017-12-04 The idea of social investment has obvious intuitive appeal. But is it robust? Is it built on sound philosophical principles and secure analytical foundations? Will it deliver better outcomes? For almost a decade, the idea of social investment has been a major focus of New Zealand policy-making and policy debate. The broad aim has been to address serious social problems and improve long-term fiscal outcomes by drawing on big data and deploying various analytical techniques to enable more evidence-informed policy interventions. But recent approaches to social investment have been controversial. In late 2017, the new Labour-New Zealand First government announced a review of the previous government's policies. As ideas about social investment evolve, this book brings together leading academics, commentators and policy analysts from the public and private sectors to answer three big questions: How should social investment be defined and conceptualized? How should it be put into practice? In what policy domains can it be most productively applied? As governments in New Zealand and abroad continue to explore how best to tackle major social problems, this book is essential for people seeking to understand social policy in the twenty-first century. Contributors: Peter Alsop; Ben Apter; Jonathan Boston; Holly Briffa; Simon Chapple; Alex Collie; Isabelle Collins; Stefan Crausaz; Jo Cribb; Sir Michael Cullen; Killian Drestemar; Elizabeth Eppel; Diane Garrett; Derek Gill; David Hanna; Gary Hawke; Sarah Hogan; Tim Hughes; Girol Karacaoglu; Gail Kelly; Michael Mintrom; Graham Scott; Verna Smith; Simon Wakeman; Peter Wilson; Amanda Wolf; John Yeabsley; and Warren Young.

Local Authorities and the Social Determinants of Health Bonner, Adrian 2020-10-14 As many social inequalities widen, this is a crucial survey of local authorities' evolving role in health, social care and wellbeing. Health and social and public policy experts review structural changes in provision and procurement, and explore social determinants of health including intergenerational needs and housing. With detailed assessments of regional disparities and case studies of effective strategies and interventions from local authorities, this collaborative study addresses complex issues (Wicked Issues), considers where responsibility for wellbeing lies and points the way to future policy-making. The Centre for Partnering (C/P) is a key outcome of this innovative review along with Bonner's previous work Social Determinants of Health (2017).

Handbook on Planning and Complexity Gert de Roo 2020-06-26 This Handbook shows the enormous impetus given to the scientific debate by linking planning as a science of purposeful interventions and complexity as a science of spontaneous change and non-linear development. Emphasising the importance of merging planning and complexity, this comprehensive Handbook also clarifies key concepts and theories, presents examples on planning and complexity and proposes new ideas and methods which emerge from synthesising the discipline of spatial planning with complexity sciences.

Embracing Complexity Jean G. Boulton 2015 This text discusses the concept of complexity. It describes what it means to say the world is complex and explores what that means for managers, policy makers and individuals. The authors cover the theory and ideas of complexity and explore issues of complexity in the fields of management, strategy, economics and international development.

Pragmatic Strategy Ikujiro Nonaka 2012-05-24 Presents a unique pragmatic framework for shaping and solving strategic problems in a practical, creative and ethical manner.

Complex Systems in Medicine David C. Aron 2019-08-30 This unique title explores complex systems in clinical medicine and the subsequent implementation of that knowledge into practice. Written conversationally and as a reflection on the journey of learning about complex systems, the book explores how knowledge of these complex systems can be applied to four key roles in academic medicine: clinical practice, education, research, and administration. Further, this title emphasizes how gaining an understanding of complex systems can greatly help a physician deal with the many challenges found in academic medicine. Unlike other books on complexity in medicine, which tend to focus on only one aspect of the management of patients, Complex Systems in Medicine deals with the multifaceted roles of a physician. The approach in this book is uniquely qualitative rather than mathematical, and is written to make it not only of interest to physicians, trainees, and allied health providers, but also to make it more accessible to a non-medical audience. The inclusion of personal anecdotes by the author provides concrete examples of the application of knowledge of complex systems in academic medicine. A first-of-its-kind contribution to the literature, Complex Systems in Medicine: A Hedgehog's Tale of Complexity in Clinical Practice, Research, Education, and Management is not only a novel reference for medical professionals, it is an accessible tool for the non-medical audience hoping to learn more about complex systems and their direct relevance to medicine, a field that deals with the infinite variety of humans and their ills. It illustrates the consequences of the interactive elements of patient care that make medicine both a science and an art.

International and Transnational Perspectives on Urban Systems Céline Rozenblat 2018-05-08 This book reviews the recent evolutions of cities in the world according to entirely revised theoretical fundamentals of urban systems. It relies on a vision of cities sharing common dynamic features as co-evolving entities in complex systems. Systems of cities that are interdependent in their evolutions are characterized in the context of that dynamics. They are identified on various geographical scales—worldwide, regional, or national. Each system exhibits peculiarities that are related to its demographic, economic, and geopolitical history, and that are underlined by the systematic comparison of continental and regional urban systems, following a common template throughout the book. Multi-scale urban processes, whether local (one city), or within national systems (systems of cities), or linked to the expansion of transnational networks (towards global urban systems) throughout the world over the period 1950–2010 are deeply analyzed in 16 chapters. This global overview challenges urban governance for designing policies facing globalization and the subsequent ecological transition. The answers, which emerge from the diversity of situations in the world, add some reflections on and recommendations to the “urban system framework” proposed in the Habitat III agenda.

Complexity Theory in Public Administration Elizabeth Anne Eppel 2020-05-21 This book reframes theoretical, methodological and practical approaches to public administration by drawing on complexity theory concepts. It aims to provide alternative perspectives on the theory, research and practice of public administration, avoiding assumptions of traditional theory-building. The contributors explain both how ongoing non-linear interactions result in macro patterns becoming established in a complexity-informed world view, and the implications of these dynamics. Complexity theory explains the way in which many repeated non-linear interactions among elements within a whole can result in processes and patterns emerging without design or direction, thus necessitating a reconsideration of the predictability and controllability of many aspects of public administration. As well as illustrating how complexity theory informs new research methods for studying this field, the book also shines a light on the different practices required of public administrators to cope with the complexity encountered in the public policy and public management fields. This book was originally published as a special issue of the Public Management Review journal.

Agile Actors on Complex Terrains Graham Room 2016-06-17 This book assesses the value and relevance of the literature on complex systems to policy-making, contributing to both social theory and policy analysis. For this purpose it develops two key ideas: agile action and transformative realism. The book takes some major themes from complexity science, presents them in a clear and accessible manner and applies them to core problems in sociological theory and policy analysis. Combining complexity science with perspectives from institutionalism and political economy, this book is the first to integrate these fields conceptually, methodologically and in terms of the implications for policy analysis and practice. Room shows how the models and methods of social and complexity science can be jointly deployed and applied to empirical areas of public policy. He demonstrates how complexity science can provide insight into the nonlinear dynamics of the social world, but why these need to be understood by reference to the unequal distribution of power and advantage. Among the sociological debates with which the book engages are those concerned with causation and explanation, rational action and positional competition, and the place of evolutionary concepts in accounts of social change. Among the policy debates are those concerned with evidence and policy, the dynamics of inequality, and libertarian paternalism. The book will appeal to final year undergraduates and postgraduate students in social sciences; scholars in social and policy studies broadly defined; policy-makers who want to go beyond conventional discussions of evidence-based policy-making and cross-national lesson-drawing, and consider how to approach complex and turbulent policy terrains; and a wider range of scholars in other disciplines where complexity science is already well developed.

How Change Happens Duncan Green 2016 "DLP, Developmental Leadership Program; Australian Aid; Oxfam."

Flood Risk Change Andreas Paul Zischg 2022-09-01 Flood Risk Change: A Complexity Perspective focuses on the dynamic nature of flood risks and follows a systemic approach - including environmental, socioeconomic and socio-technical factors for modeling and managing flood risk change. Readers will gain a more complete picture of the topic for understanding the complexity of flood risk change, both from human and natural causes of flooding. The book includes a mix of theory (introduction to complex system science from the flood risk management perspective) and case studies. It features maps and figures focusing on the system components as well as on the dynamic interactions between the drivers of change. Researchers studying flood risk, environmental engineering, disaster risk reduction, and land use, as well as those in industry and responsible for policy, will find this an invaluable resource. Comprehensive overview of key drivers of change, including both natural drivers and socioeconomic drivers Presents different modeling frameworks and setups for considering complexity in flood risk analysis and management Includes both theoretical research and practical applications as told through case studies

States of Disorder, Ecosystems of Governance Adam Day 2022-04-21 This book addresses the question, 'Why has UN state-building so consistently failed to meet its objectives?'. It proposes an explanation based on the application of complexity theory to UN interventions in South Sudan and DRC, where the UN has been tasked to implement massive stabilization and state-building missions.

Advanced Imaginering Diane Nijis 2019 Articulating and illustrating how experience design can unlock experience innovation, this book offers a fresh perspective on effectuating corporate, public, social and whole system innovation by design. The book makes several contributions to the fields of innovation and design thinking by taking complexity science as its scientific point of reference. As such this is a highly provocative book for scholars, practitioners and students in the field of change and innovation.

Critical Systems Thinking and the Management of Complexity Michael C. Jackson 2019-03-15 The world has become increasingly networked and unpredictable. Decision makers at all levels are required to manage the consequences of complexity every day. They must deal with problems that arise unexpectedly, generate uncertainty, and spread across traditional boundaries. Simple solutions to complex problems are usually inadequate and risk exacerbating the original issues. Leaders of international bodies such as the UN, OECD, UNESCO and WHO — and of major business, public sector, charitable, and professional organizations — have all declared that systems thinking is an essential leadership skill for managing the complexity of the economic, social and environmental issues that confront decision makers. Systems thinking must be implemented more generally, and on a wider scale, to address these issues. An evaluation of different systems methodologies suggests that they concentrate on different aspects of complexity. To be in the best position to deal with complexity, decision makers must understand the strengths and weaknesses of the various approaches and learn how to employ them in combination. This is called critical systems thinking. Making use of over 25 case studies, the book offers an account of the development of systems thinking and of major efforts to apply the approach in real-world interventions. Further, it encourages the widespread use of critical systems practice as a means of ensuring responsible leadership in a complex world. Comments on a previous version of the book: Russ Ackoff: 'the book is the best overview of the field I have seen.' JP van Gigh: 'Jackson does a masterful job. The book is lucid ...well written and eminently readable' Professional Manager (Journal of the Chartered Management Institute): 'Provides an excellent guide and introduction to systems thinking for students of management'

Digital Justice Ethan Katsh 2017-03-09 Improving access to justice has been an ongoing process, and on-demand justice should be a natural part of our increasingly on-demand society. What can we do for example when Facebook blocks our account, we're harassed on Twitter, discover that our credit report contains errors, or receive a negative review on Airbnb? How do we effectively resolve these and other such issues? Digital Justice introduces the reader to new technological tools to resolve and prevent disputes bringing dispute resolution to cyberspace, where those who would never look to a court for assistance can find help for instance via a smartphone. The authors focus particular attention on five areas that have seen great innovation as well as large volumes of disputes: ecommerce, healthcare, social media, labor, and the courts. As conflicts escalate with the increase in innovation, the authors emphasize the need for new dispute resolution processes and new ways to avoid disputes, something that has been ignored by those seeking to improve access to justice in the past.

Handbook on Strategic Environmental Assessment Thomas B. Fischer 2021-03-26 This comprehensive Handbook shows how Strategic Environmental Assessment (SEA), an important decision support tool for strategies, policies, plans and programmes, is applied globally. It reflects on SEA practices and the advancements made over the past three decades in the development of SEA.

Chaos, Complexity and Leadership 2020 ?efika ?ule Erçetin 2021-07-30 This book analyzes a range of new developments in various fields connecting the concepts of chaos and complexity theory. The proceedings of the 7th International Symposium on Chaos, Complexity and Leadership feature newly developed concepts involving various research methodologies for identifying chaos and complexity in different fields of the sciences and leadership. In addition, it explores chaotic and complex systems from all fields of knowledge in order to stake a claim of prevalence of compatibility between knowledge fields. Particular emphasis is placed on exploring non-linearity in order to open a discussion on new approaches to and perspectives on chaos, complexity and leadership. Readers will find coverage of important events that have recently taken place in our world, regardless of whether they were social, political, economic or scientific in nature. The book explores diverse aspects of and issues related to the effects of chaos and complexity in the world; discusses the application of nonlinear dynamics in order to arrive at transformational policies; and offers projections of tomorrow's world using an interdisciplinary approach. Though primarily intended for readers with an interest in nonlinear science, thanks to its focus on the application of chaos and complexity to other disciplines, the book appeals to a broad readership.

Security and Crime Alison Wakefield 2021-06-09 Security and Crime is an authoritative and multidisciplinary analysis of the relationship between security and crime, addressing much of the confusion about its nature and meaning, clarifying its relevance to criminological analysis, and giving due attention to the interdisciplinary nature of the topic. Providing an historical and prospective look at issues within security the book will: trace the development of 'security' across disciplines situate this contested concept within criminological discourse and concerns explore the rising attention in politics and academic scholarship to 'security' issues as they relate to crime examine the nature and organisation of interventions to deliver security establish clearly the relationship between security, crime and criminology. International in scope, and broad in coverage, Security and Crime sets out the need to broaden the study of security in a clear, concise style that is easy for students to digest. With comprehensive pedagogical feature including chapter overviews, key terms, study questions, further reading and a glossary, this book is essential for students studying security in criminology, criminal justice, international relations, and related disciplines.

The Routledge Handbook of Research Methods for Social-Ecological Systems Reinette Biggs 2021-07-29 The Routledge Handbook of Research Methods for Social-Ecological Systems provides a synthetic guide to the range of methods that can be employed in social-ecological systems (SES) research. The book is primarily targeted at graduate students, lecturers and researchers working on SES, and has been written in a style that is accessible to readers entering the field from a variety of different disciplinary backgrounds. Each chapter discusses the types of SES questions to which the particular methods are suited and the potential resources and skills required for their implementation, and provides practical examples of the application of the methods. In addition, the book contains a conceptual and practical introduction to SES research, a discussion of key gaps and frontiers in SES research methods, and a glossary of key terms in SES research. Contributions from 97 different authors, situated at SES research hubs in 16 countries around the world, including South Africa, Sweden, Germany and Australia, bring a wealth of expertise and experience to this book. The first book to provide a guide and introduction specifically focused on methods for studying SES, this book will be of great interest to students and scholars of sustainability science, environmental management, global environmental change studies and environmental governance. The book will also be of interest to upper-level undergraduates and professionals working at the science-policy interface in the environmental arena.

Embracing Complexity Jean G. Boulton 2015-07-30 This text discusses the concept of complexity. It describes what it means to say the world is complex and explores what that means for managers, policy makers and individuals. The authors cover the theory and ideas of complexity and explore issues of complexity in the fields of management, strategy, economics and international development.

Whitehead and Continental Philosophy in the Twenty-First Century Jeremy D. Fackenthal 2019-04-29 This book explores how thinking with Alfred North Whitehead and various continental philosophers can advance ideas about sustainability and civilization writ large. Contributors employ Whitehead and one or more continental thinkers around a given topic, whether philosophical or social, to produce the dislocations necessary for generating new ideas.

Handbook of Public Administration W. Bartley Hildreth 2021-04-27 Public administration as a field of study finds itself in the middle of a fluid environment. The very reach and complexity of public administration has been easy to take for granted, easy to attack, and difficult to explain, particularly in the soundbite and Twitter-snipe media environment. Not only has the context for the discipline changed, but the institutions of public administration have adapted and innovated to deliver services to the public and serve those in power while becoming increasingly complex themselves. Has public administration evolved? And what new lines of research are critical for effective policy and delivery of programs and public services while preserving

foundational principles such as the rule of law and expert institutions? This Handbook of Public Administration sheds light for new researchers, doctoral students, scholars, and practitioners interested in probing modern public administration's role in solving major challenges facing nations and the world. This fourth edition recognizes that the scholarship of public administration must reflect the diverse influence of an international orientation, embracing public administration issues and practices in governance systems around the world, and illustrating just how practice can vary across jurisdictions. Every section identifies foundational principles and issues, shows variation in practice across selected jurisdictions, and identifies promising avenues for research. Each chapter revisits enduring themes and tensions, showing how they persist, along with new challenges and opportunities presented by digital technology and contemporary political realities. The Handbook of Public Administration, Fourth Edition provides a compelling introduction to and depiction of the contemporary realities of public administration, and it will inspire new avenues of inquiry for the next generation of public administration researchers.

*embracing-complexity-strategic-perspectives-for-
an-age-of-turbulence*

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