

Building Shared Understanding Of Wicked Problems

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Climate Change: A Wicked Problem - Frank P. Incropera 2016

A pragmatic, no-holds-barred assessment of climate change, for anyone wishing to be fully informed on the topic.

Wicked Problems Worth Solving - Jon Kolko 2012

It feels like our world is spinning out of control. We see poverty, disease, and destruction all around us, and as we search for ways to make sense of the chaos, we're turning to new disciplines for answers and solutions. New, creative innovations are needed, and these new approaches demand different methods and different theories. This book is presented as a handbook for teaching and learning how to design for impact. In it, you'll learn how to apply the process of design to large, wicked problems, and how to gain control over complexity by acting as a social entrepreneur. You'll learn an argument for why design is a powerful agent of change, and you'll read practical methods for engaging with large-scale social problems. You can read this entire book online for free at <http://www.wickedproblems.com/>

Digital Didactical Designs - Isa Jahnke 2015-08-14

As web-enabled mobile technologies become increasingly integrated into formal learning environments, the fields of education and ICT (information and communication technology) are merging to create a new kind of classroom: CrossActionSpaces. Grounding its exploration of these co-located communication spaces in global empirical research, *Digital Didactical Designs* facilitates the development of teachers into collaborative designers and evaluators of technology-driven teaching and learning experiences—learning through reflective making. The Digital Didactical Design model promotes deep learning expeditions with a framework that encourages teachers and researchers to study, explore, and analyze the applied designs-in-practice. The book presents critical views of contemporary education, theories of socio-technical systems and behavior patterns, and concludes with a look into the conceptual and practical prototypes that might emerge in schools and universities in

the near future.

Strategic Public Relations Leadership

- Anne Gregory 2022-07-22

Public relations professionals are operating in an increasingly challenging and complex environment. Pressures from outside the organisation include new accountabilities, empowered stakeholders, increased public cynicism and a new communication landscape. Internally, there are increasing demands to demonstrate a strategic contribution, alongside a requirement to coach and counsel senior managers exposed to these environmental pressures. This revised and updated edition provides a framework to enable public relations professionals to clearly articulate and demonstrate their own contribution to organisational effectiveness, while also setting out the specific capabilities public relations leaders must exhibit to operate at the highest levels of the organisation. This edition further develops the pioneering approach to integrating thinking around public relations, leadership, and strategy. It has been updated comprehensively to address contemporary developments and introduce new research and fresh perspectives from the authors. New to this edition are insights from Chief Executives on what they expect from public relations leaders and a comprehensive set of capabilities which scope the demanding role of professionals at the top of their game. Concise and practical, this textbook is suitable for MBA and other postgraduate and executive education qualifications in Public Relations and Corporate Communications – especially for those students who wish to pursue a successful career as a professional public relations specialist, able to operate strategically at the top of successful organisations.

Framing Wicked Problems Using CoDesign and a Hybrid Design Toolset

- Erika Leigh Braun 2016

The role of the Designer in addressing wicked problems and the use of technology for collective sensemaking in the Design process were investigated through the development of a digital prototype in parallel with an exploratory Participatory Action Research (PAR) case study centered on issues surrounding transitional care and support for adults with autism and their families. A diverse group of stakeholders was brought together to participate in an iterative CoDesign process aimed at building shared understanding, stimulating new ways of thinking, and reframing the wicked problem to create new resolutions for the Center for Autism Services and Transition (C.A.S.T.), a clinic for adults with autism connected to The Ohio State University Wexner Medical Center.

Impact Networks - David Ehrlichman
2021-10-12

This practical guide shows how to facilitate collaboration among diverse individuals and organizations to navigate complexity and create change in our interconnected world. The social and environmental challenges we face today are not only complex, they are also systemic and structural and have no obvious solutions. They require diverse combinations of people, organizations, and sectors to coordinate actions and work together even when the way forward is unclear. Even so, collaborative efforts often fail because they attempt to navigate complexity with traditional strategic plans, created by hierarchies that ignore the way people naturally connect. By embracing a living-systems approach to organizing, impact networks bring people together to build relationships across

boundaries; leverage the existing work, skills, and motivations of the group; and make progress amid unpredictable and ever-changing conditions. As a powerful and flexible organizing system that can span regions, organizations, and silos of all kinds, impact networks underlie some of the most impressive and large-scale efforts to create change across the globe. David Ehrlichman draws on his experience as a network builder; interviews with dozens of network leaders; and insights from the fields of network science, community building, and systems thinking to provide a clear process for creating and developing impact networks. Given the increasing complexity of our society and the issues we face, our ability to form, grow, and work through networks has never been more essential.

Tackling Wicked Problems in Complex Ecologies - Rodney Hopson 2018-05-01
Tackling Wicked Problems in Complex Ecologies is a call to action, focusing on the role that evaluators can play in addressing social and economic problems. Evaluation extends beyond theories and methods, encompassing a range of proven approaches for addressing ecological complexities that drive inequities around the globe. Bringing together leading thinkers and problem-solvers, this collection traverses the range of contexts at the frontiers of the field—from inadequate food supply and housing to unemployment and poverty. Editors Rodney Hopson and Fiona Cram demonstrate the effects of an engaged approach to evaluation, in which three considerations take center stage: its relevance, the relationships it engenders, and the responsibilities it requires. This is a handbook for tackling the social and economic problems of the twenty-first century which, though wicked, are amenable to the tools of the

trade.

Dialogue Mapping - Jeffrey Conklin 2006-01-09

In contrast to the use of agendas and restrictive structures, dialogue mapping is a facilitation technique that allows the intelligence and learning of the group to emerge naturally. Each participant can see how their comments contribute (or don't) to the coherence and order of the group's thinking. The first full-length book to bring dialogue mapping to a wider audience, Dialogue Mapping provides an exciting new conceptual framework that will change the way readers view projects and project management.

The Coherence Factor - Thomas R. Flanagan 2018-11-01

Cogito, ergo sum. ("I think, therefore I am.") When Descartes quipped this, he erroneously split thinking from feeling. He assumed thoughts emerge from a substance other than feeling. This is a historic tragedy, and it is unnecessary. It brings us to a risky end-game. When we attempt to meld preconceived thought with evoked feelings, we come to the craft of "spin doctors." Instead, there is a natural path for connecting thinking and feeling. It involves emotional reflection at the time that understandings are created. This book draws attention to a form of dialogue which is called design dialogue. Design dialogue constructs new meaning from the bottom up. Individuals construct new meanings through individual thinking. In design dialogue, meaning results from group thinking. Group thinking is not as simple as thinking individually while being present within a group. The design process results in a series of co-constructed learning artifacts which, ultimately, constitute a new understanding. The process is concurrently emotional and

cognitive, and melding emotion and cognition is achievable with effective design dialogue methods. The first chapter introduces emotion as the catalyst for considering questions, persisting in reflection, and concluding a cycle of thought. This chapter fills in gaps with the treatment of emotion and cognition. The second chapter lays out the sequence of observation-taking, sensemaking, meaning-making, and perspective-taking that are essential steps in thinking. Frameworks for thinking in educational traditions focus not so much on the neurological mechanics of the thought process but rather on the overall internalization of a "way" of understanding things. A third chapter presents a methodology for managing a design dialogue. Group facilitators generally invent and modify their own approaches for leading design projects. This chapter presents a codified approach that offers an advantage of supporting continuous improvement of complex design management methodology. And the final chapter considers the emergence of a sapient group-mind through the agency of design dialogue. This conjectured group-mind is considered in the context of the civic infrastructure that is needed to sustain the continual growth of the human superorganism structure. As humanity has moved from tribes, to cities, to institutions, and now to globally connected networks, each leap forward has been accompanied by profound changes in social practices and belief systems. Recent findings from the field of cognitive science have confirmed a suspicion that we have long held about each other. Individual thinking is biased and flawed. Inclusive and democratically managed discussion, deliberation and design all help to identify and dampen flawed understandings. The individual mind, an essential

ingredient in the human spirit, is now, as a matter of practical necessity, bending to the wisdom of a well-informed group mind. The speed and strength of newly emerging social forces and evolving civic trends point to the conclusion that we are on the threshold for a new way of being. This book seeks to evoke reflection on how we can start communicating in a way that prepares us for life in that new future.

The Heretic's Guide to Best Practices

- Paul Culmsee; Kailash Awati

2013-05-23

When it comes to solving complex problems, we often perform elaborate rituals in the guise of best practices that promise a world of order, certainty, and control. But reality paints a far different picture, which practitioners are often reluctant to discuss. A witty yet rigorous journey through the seedy underbelly of organisational problem solving, *The Heretic's Guide to Best Practices* pinpoints the reasons why best practices don't work as advertised and what can be done about it. "Hugely enjoyable, deeply reflective, and intensely practical. This book is about weaving human artistry and improvisation, with appropriate methods and technologies, in order to pool collective intelligence and wisdom under pressure." –Simon Buckingham Shum, Knowledge Media Institute, The Open University, UK "This is a terrific piece of work: important, insightful, and very entertaining. Culmsee and Awati have produced a refreshing take on the problems that plague organisations... If you're trying to deal with wicked problems in your organisation, then drop everything and read this book." –Tim Van Gelder, Principal Consultant, Austhink Consulting

23rd European Conference on Knowledge Management Vol 1 - Piera Centobelli

2022-09-01

Wicked Problems in Public Policy -

Brian W. Head 2022

"The concept of wicked problems has become very commonly used, and abused, in contemporary studies of public policy. While expressing some appropriate skepticism about the concept, Brian Head uses the idea to analyse the numerous difficult problems facing governments in the 21st century." ---B. Guy Peters, Maurice Falk Professor of American Government, University of Pittsburgh, USA "Rich with empirical detail, this book looks set to become the definitive work on wicked issues and what to do about them." ---Claire A. Dunlop, Professor of Politics, University of Exeter, UK "This book provides a concise introduction to the concept and management of "wicked" problems: the kind of poorly-structured, intractable policy problems with unknown solutions with which policy-makers, unfortunately, must engage on a frequent basis." ---Michael Howlett, Burnaby Mountain Professor and Canada Research Chair, Simon Fraser University, Canada This is an open access book. This book offers the first overview of the 'wicked problems' literature, often seen as complex, open-ended, and intractable, with both the nature of the 'problem' and the preferred 'solution' being strongly contested. It contextualises the debate using a wide range of relevant policy examples, explaining why these issues attract so much attention. There is an increasing interest in the conceptual and practical aspects of how 'wicked problems' are identified, understood and managed by policy practitioners. The standard public management responses to complexity and uncertainty (including traditional regulation and market-based solutions) are insufficient.

Leaders often advocate and implement ideological 'quick fixes', but integrative and inclusive responses are increasingly being utilised to recognise the multiple interests and complex causes of these problems. This book uses examples from a wide range of social, economic and environmental fields in order to develop new insights about better solutions, and thus gain broad stakeholder acceptance for shared strategies for tackling 'wicked problems'. Brian Head is Professor of Public Policy at the University of Queensland, Australia. He is the editor or co-author of 12 books and over 100 academic articles on public management, governance, social issues and environmental policy. .

Wicked Philosophy - Coyan Tromp
2018-08

Wicked Philosophy provides an overview of the philosophy of the natural sciences, the social sciences and humanities, and explores how insights from these three domains can be integrated to help find solutions for the complex, "wicked" problems we are currently facing. The challenges we are currently facing are highly complex and these so-called wicked problems cannot be studied, let alone be solved, by any one single discipline. This book enters to provide an overview of the philosophy of the natural sciences, social sciences and humanities, and explores how the insights and intersections from these three domains can be integrated to help find explanations for our urgent problems.

Wicked Strategies - John C. Camillus
2016-08-12

In business, some problems are so complex, intractable and threatening to organizations—or entire industries—that they are best described as "wicked." These problems appear to be unsolvable and they render traditional analytical tools

of strategy virtually impotent. Wicked Strategies offers a comprehensive framework for identifying, responding to and profiting from wicked problems. John C. Camillus, drawing on detailed, real-life examples from companies across the globe, has skillfully woven together the analytical techniques, processes and organizational designs that will enable managers to navigate a disruptive marketplace. His feed-forward framework for fashioning wicked strategies empowers firms to presciently transform their business models before they are made obsolete by the competition. Wicked Strategies is a practical and evocative guide that demonstrates how business leaders can profitably capitalize on unknowable futures.

Systems Approaches to Public Sector Challenges Working with Change - OECD 2017-08-11

This report, produced by the OECD Observatory of Public Sector Innovation, explores how systems approaches can be used in the public sector to solve complex or "wicked" problems.

A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Seventh Edition and The Standard for Project Management (BRAZILIAN PORTUGUESE) - Project Management Institute Project Management Institute 2021-08-01

PMBOK® Guide is the go-to resource for project management practitioners. The project management profession has significantly evolved due to emerging technology, new approaches and rapid market changes. Reflecting this evolution, The Standard for Project Management enumerates 12 principles of project management and the PMBOK® Guide &– Seventh Edition is structured around eight project performance domains. This edition is designed to address practitioners'

current and future needs and to help them be more proactive, innovative and nimble in enabling desired project outcomes. This edition of the PMBOK® Guide:

- Reflects the full range of development approaches (predictive, adaptive, hybrid, etc.);
- Provides an entire section devoted to tailoring the development approach and processes;
- Includes an expanded list of models, methods, and artifacts;
- Focuses on not just delivering project outputs but also enabling outcomes; and
- Integrates with PMI standards+™ for information and standards application content based on project type, development approach, and industry sector.

The Surprising Power of Liberating Structures - Henri Lipmanowicz 2014-10-28

Smart leaders know that they would greatly increase productivity and innovation if only they could get everyone fully engaged. So do professors, facilitators and all changemakers. The challenge is how. Liberating Structures are novel, practical and no-nonsense methods to help you accomplish this goal with groups of any size. Prepare to be surprised by how simple and easy they are for anyone to use. This book shows you how with detailed descriptions for putting them into practice plus tips on how to get started and traps to avoid. It takes the design and facilitation methods experts use and puts them within reach of anyone in any organization or initiative, from the frontline to the C-suite. Part One: The Hidden Structure of Engagement will ground you with the conceptual framework and vocabulary of Liberating Structures. It contrasts Liberating Structures with conventional methods and shows the benefits of using them to transform the way people collaborate, learn, and discover solutions together. Part Two: Getting Started

and Beyond offers guidelines for experimenting in a wide range of applications from small group interactions to system-wide initiatives: meetings, projects, problem solving, change initiatives, product launches, strategy development, etc. Part Three: Stories from the Field illustrates the endless possibilities Liberating Structures offer with stories from users around the world, in all types of organizations -- from healthcare to academic to military to global business enterprises, from judicial and legislative environments to R&D. Part Four: The Field Guide for Including, Engaging, and Unleashing Everyone describes how to use each of the 33 Liberating Structures with step-by-step explanations of what to do and what to expect. Discover today what Liberating Structures can do for you, without expensive investments, complicated training, or difficult restructuring. Liberate everyone's contributions -- all it takes is the determination to experiment.

TennCare, One State's Experiment with Medicaid Expansion - Christina Bennett 2014-09-29

A history of the struggle among competing stakeholders in one of the oldest and most controversial experiments in US health care policy, a precursor to Obamacare. In 1993, Tennessee launched a reform initiative designed to simultaneously expand the proportion of residents with health insurance and curtail cost increases. It was guided by principles that nearly match those that guided the creation of the Affordable Care Act, also known as Obamacare. Like the ACA, TennCare used corporations, rather than a single government payer, to implement the plan, and it relied on a mix of managed care, market competition, and government regulation. While many states cut back on their Medicaid

enrollments from 1993 to 2001, TennCare grew from 750,000 to 1.47 million enrollees. The state was less successful in controlling costs, however. Each major stakeholder group (the state, the managed care organizations, the providers, and the enrollees and their advocates) pushed back against parts of the state's strategy that adversely affected their interests, and they eventually dismantled the mechanisms of cost constraint. The author lays out the four stakeholder perspectives for each period in the history of TennCare and provides a link to difficult-to-access primary documents.

[Shared Governance for Sustainable Working Landscapes](#) - Timothy M. Gieseke 2016-08-05

Sustaining our agricultural landscapes is no longer just a technical, scientific or even political problem, but it has evolved into a socially complex, so-called wicked problem of conflicting social governance and economics. This creates an extreme economic obstacle where the value of ecosystem services remains low and diffuse and the transactions costs remain high and multiple. Using Uber-like business platform technology and a shared governance model, a symbiotic demand for environmental benefits is created. Enabling multi-sector transactions for environmental benefits, this platform innovation would remedy the "tragedy of the commons"; the economic nemesis to achieving landscape sustainability. In a nutshell, to sustain our agricultural landscapes a transdisciplinary approach supported by a shared governance model housed within a multi-sided platform is needed. This book introduces an assessment framework identifying governance actors, styles and ratios for socio-ecological systems. The

assessment uses a new governance compass to identify the types of actors completing which tasks and identifies the styles of governance used to complete the tasks. It is aimed to anyone involved in sustainability science, agricultural policy planning, or integrated landscape design.

Managing and Engineering in Complex Situations - Samuel F. Kovacic
2013-02-15

With so many terms available to define the same thing, it would seem nearly irresponsible to introduce yet another term (complex situation) to describe a phenomenological state of such as a system. However, a complex situation infers both a broader meaning and imposes a different perspective. Complex in this context is dependent on understanding and reality rather than observer and knowledge. Situation imposes a gestalt that cannot be characterized within a singular perspective that relegates paradox to a superior/subordinate hierarchy. This also infers that complex situation has no monotonic definition or each definition is by default incomplete. Therefore the perennial derivations for systems such as complex systems, system of systems, federation of systems is no longer a sufficient descriptor for complex situation. Ergo system and its genealogy lack the constitution to define complex situations. The books' intent is to explore this pathology through a series of papers written by authors that work in complex situations and have dealt with the limitations of the status quo: systems.

Producing Shared Understanding for Digital and Social Innovation - Faye Miller
2020-09-03

In the Anthropocene age there is a need for unifying the relationships between people, planet and technology, their interactions,

experiences and impacts across ecosystems. In response to this need, this book introduces unifying bridging concepts informational waves and transdisciplinary resonance towards producing shared understanding. This book also presents emerging methods for transdisciplinary projects focusing on moments, paradoxes and dialogues for digital social innovation and sustainable development partnership goals for improving quality of life. Shared understanding is about how people from different fields and perspectives are communicating, curating, embodying, intuiting and reflecting on shared responsibilities within social ecologies. As a guide to co-designing for information experiences that create meaningful moments of shared understanding, the author illuminates essential transferable, lateral mindsets and soft skills: knowing the gaps through imagination, creativity, listening and noticing, and bridging the gaps through problem emergence, multiple stakeholders, informed learning and personal change.

The Portable MBA in Entrepreneurship
- William D. Bygrave 2015-07-24

A totally updated and revised new edition of the most comprehensive, reliable guide to modern entrepreneurship For years, the Portable MBA series has tracked the core curriculum of leading business schools to teach you everything you need to know about business-without the cost of earning a traditional MBA degree. The Portable MBA in Entrepreneurship covers all the ins and outs of entrepreneurship, using real-life examples and handy tools to deliver clear, honest, practical advice on starting a successful business. If you're planning to start your own business, you'd best start with the facts. This reliable, information-packed resource shows you

how to identify good business opportunities, create a business plan, do financial projections, find financing, and manage taxes. Other topics include marketing, selling, legal issues, intellectual property, franchising, starting a social enterprise, and selling your business. Completely updated with new examples, new topics, and full coverage of topical issues in entrepreneurship Includes customizable, downloadable forms for launching your own business Comes with Portable MBA Online, a new web site that gives readers access to forms, study guides, videos, presentations, and other resources Teaches you virtually everything you'd learn on entrepreneurship in today's best business schools Whether you're thinking of starting your own business or you already have and just need to brush up on entrepreneurial basics, this is the only guide you need.

Red Rising - Pierce Brown 2014-01-28
NEW YORK TIMES BESTSELLER • Pierce Brown's relentlessly entertaining debut channels the excitement of *The Hunger Games* by Suzanne Collins and *Ender's Game* by Orson Scott Card. "Red Rising ascends above a crowded dystopian field."—USA Today ONE OF THE BEST BOOKS OF THE YEAR—Entertainment Weekly, BuzzFeed, Shelf Awareness "I live for the dream that my children will be born free," she says. "That they will be what they like. That they will own the land their father gave them." "I live for you," I say sadly. Eo kisses my cheek. "Then you must live for more." Darrow is a Red, a member of the lowest caste in the color-coded society of the future. Like his fellow Reds, he works all day, believing that he and his people are making the surface of Mars livable for future generations. Yet he toils willingly, trusting that his blood

and sweat will one day result in a better world for his children. But Darrow and his kind have been betrayed. Soon he discovers that humanity reached the surface generations ago. Vast cities and lush wilds spread across the planet. Darrow—and Reds like him—are nothing more than slaves to a decadent ruling class. Inspired by a longing for justice, and driven by the memory of lost love, Darrow sacrifices everything to infiltrate the legendary Institute, a proving ground for the dominant Gold caste, where the next generation of humanity's overlords struggle for power. He will be forced to compete for his life and the very future of civilization against the best and most brutal of Society's ruling class. There, he will stop at nothing to bring down his enemies . . . even if it means he has to become one of them to do so. Praise for *Red Rising* "[A] spectacular adventure . . . one heart-pounding ride . . . Pierce Brown's dizzyingly good debut novel evokes *The Hunger Games*, *Lord of the Flies*, and *Ender's Game*. . . . [*Red Rising*] has everything it needs to become meteoric."—Entertainment Weekly "Ender, Katniss, and now Darrow."—Scott Sigler "Red Rising is a sophisticated vision. . . . Brown will find a devoted audience."—Richmond Times-Dispatch Don't miss any of Pierce Brown's *Red Rising* Saga: RED RISING • GOLDEN SON • MORNING STAR • IRON GOLD • DARK AGE
Agile Government: Emerging Perspectives In Public Management - Melodena Stephens Balakrishnan 2022-04-07

The governments of today are not able to transform and adapt to changes in the world around them, as demanded by their constituents. The nature of work, value of public goods, and the constant bombardment of crises are making the old bureaucratic

structures obsolete. Agile Government is an emerging theme, that of government-wide reinvention for adaptiveness and responsiveness. It places the accountability, delivery, capture, design and creation of public value at the heart of the government. The concept of agile government is confused with terms like Agile Manifesto, agile governance, agility among others, and because of this, needs some unpacking. This book is a deep dive into this topic. It offers insights from the theoretical development of the topic of agile government, some lessons from government practices around the world, and ongoing academic and policy research. The project is spearheaded by the Mohammed Bin Rashid School of Government, which is the first teaching and research institution in the Arab world focusing on public policy and governance.

Wicked Environmental Problems - Peter J. Balint 2012-06-22

"Wicked" problems are large-scale, long-term policy dilemmas in which multiple and compounding risks and uncertainties combine with sharply divergent public values to generate contentious political stalemates; wicked problems in the environmental arena typically emerge from entrenched conflicts over natural resource management and over the prioritization of economic and conservation goals more generally. This new book examines past experience and future directions in the management of wicked environmental problems and describes new strategies for mitigating the conflicts inherent in these seemingly intractable situations. The book: reviews the history of the concept of wicked problems examines the principles and processes that managers have applied explores the practical limitations of various

approaches Most important, the book reviews current thinking on the way forward, focusing on the implementation of "learning networks," in which public managers, technical experts, and public stakeholders collaborate in decision-making processes that are analytic, iterative, and deliberative. Case studies of forest management in the Sierra Nevada, restoration of the Florida Everglades, carbon trading in the European Union, and management of the Ngorongoro Conservation Area in Tanzania are used to explain concepts and demonstrate practical applications. Wicked Environmental Problems offers new approaches for managing environmental conflicts and shows how managers could apply these approaches within common, real-world statutory decision-making frameworks. It is essential reading for anyone concerned with managing environmental problems.

Business Strategies for Sustainability - Helen Borland 2018-10-03

Business Strategies for Sustainability brings together important research contributions that demonstrate different approaches to business strategies for sustainability. Many corporate initiatives toward what firms perceive to be sustainability are simply efficiency drives or competitive moves – falling far short of actual strategies for ecological sustainability. To suggest true ecological sustainability strategies, this new research anthology adopts an interdisciplinary, or transdisciplinary, approach to discern what business strategies might look like if they were underpinned by environmental and ecological science. The 23 chapters in this anthology reflect five main topic sections: (a) delineating sustainability challenges and

visions; (b) contradiction, integration and transformation of business and sustainability logics; (c) innovating and developing strategic capabilities for sustainability; (d) assessing and valuing sustainability; and (e) toward multi-level engagement and collaboration.

Leadership for Sustainability - R. Bruce Hull 2020-11-17

Solving today's environmental and sustainability challenges requires more than expertise and technology. Effective solutions will require that we engage with other people, wrestle with difficult questions, and learn how to adapt and make confident decisions despite uncertainty. We need new approaches to leadership that empower professionals at all levels to tackle wicked problems and work towards sustainability.

Leadership for Sustainability gives readers perspective and skills for promoting creative and collaborative solutions. Blending systems thinking approaches with leadership techniques, it offers dozens of strategies and specific practices that build on the foundation of three main skills: connecting, collaborating, and adapting.

Inspiring case studies show how the book's strategies and principles can be applied to diverse situations: Coordinating the activities of widely dispersed individuals and groups who may not even know they are connected, illustrated by the work of urban planners, local businesses, citizens, and other stakeholders advancing ambitious climate action goals via a Community Energy Plan in Arlington County, Virginia Collaborating with diverse stakeholders to span boundaries despite their differences of opinion, expertise, and culture, as illustrated by the bold actions of a social entrepreneur who transformed the global food service industry with

the "plant-forward" movement Adapting to continuous change and confounding uncertainty, as a small nonprofit organization mobilizes partners to tackle poverty, water scarcity, sanitation, and climate change in rural India Readers will come away with a holistic understanding of how to lead from where they are by applying leadership principles and practices to a wide range of wicked situations. While the challenges we face are daunting, the authors argue that these situations present opportunities for creating a more just, healthy, and prosperous world.

The Fearless Organization - Amy C. Edmondson 2018-11-14

Conquer the most essential adaptation to the knowledge economy The Fearless Organization: Creating Psychological Safety in the Workplace for Learning, Innovation, and Growth offers practical guidance for teams and organizations who are serious about success in the modern economy. With so much riding on innovation, creativity, and spark, it is essential to attract and retain quality talent—but what good does this talent do if no one is able to speak their mind? The traditional culture of "fitting in" and "going along" spells doom in the knowledge economy. Success requires a continuous influx of new ideas, new challenges, and critical thought, and the interpersonal climate must not suppress, silence, ridicule or intimidate. Not every idea is good, and yes there are stupid questions, and yes dissent can slow things down, but talking through these things is an essential part of the creative process. People must be allowed to voice half-finished thoughts, ask questions from left field, and brainstorm out loud; it creates a culture in which a minor flub or momentary lapse is no big deal, and where actual mistakes are owned and

corrected, and where the next left-field idea could be the next big thing. This book explores this culture of psychological safety, and provides a blueprint for bringing it to life. The road is sometimes bumpy, but succinct and informative scenario-based explanations provide a clear path forward to constant learning and healthy innovation. Explore the link between psychological safety and high performance Create a culture where it's "safe" to express ideas, ask questions, and admit mistakes Nurture the level of engagement and candor required in today's knowledge economy Follow a step-by-step framework for establishing psychological safety in your team or organization Shed the "yes-men" approach and step into real performance. Fertilize creativity, clarify goals, achieve accountability, redefine leadership, and much more. The Fearless Organization helps you bring about this most critical transformation.

The Management of Wicked Problems in Health and Social Care - Will Thomas
2018-10-04

At a time of growing pressure on health and social care services, this book draws together contributions which highlight contemporary challenges for their management. Providing a range of contributions that draw on a Critical Management Studies perspective the book raises macro-level concerns with theory, demographics and economics on the one hand, as well as micro-level challenges of leadership, voice and engagement on the other. Rather than being an attempt to define the 'wickedness' of problems in this field, this book provides new insights designed to be of interest and value to researchers, students and managers. Contributions from international researchers explore four main topics: identifying

contemporary challenges in health and social care; managing, leading and following; listening to silent voices in delivering change; and new methodologies for understanding care challenges. The concerns discussed in this volume are 'wicked' in so far as they are persistent, pernicious and beyond the curative abilities of any single organisation or profession. Such problems require collaboration but also new approaches to listening to those who suffer their effects. This book demonstrates such listening through its engagement with policy makers, leaders, followers, professions, patients, forgotten groups and silenced voices. Moreover, it considers how future research might be transformed so as to shine a more inclusive light on 'wicked' problems and their amelioration. This is a timely and engaging book that challenges you – the reader – to think again about how we should look at, engage with and support all those involved in health and social care.

Design Computing and Cognition '14 - John S. Gero 2015-04-16

This book details the state-of-the-art of research and development in design computing and design cognition. It features more than 35 papers that were presented at the Sixth International Conference on Design Computing and Cognition, DCC'14, held at University College, London, UK. Inside, readers will find the work of expert researchers and practitioners that explores both advances in theory and application as well as demonstrates the depth and breadth of design computing and design cognition. This interdisciplinary coverage, which includes material from international research groups, examines design synthesis, design cognition, design creativity, design processes, design theory, design grammars, design support and design ideation. Overall,

the papers provide a bridge between design computing and design cognition. The confluence of these two fields continues to build the foundation for further advances and leads to an increased understanding of design as an activity whose influence continues to spread. As a result, the book will be of particular interest to researchers, developers and users of advanced computation in design and those who need to gain a better understanding of designing that can be obtained through empirical studies.

Health Technology Literacy -

Maryalice Jordan-Marsh 2010-08-31
"Health Technology Literacy is a 'must read' for anyone who cares about the future of health and health care, and how technology is already shaping a new consumer-oriented vision of that future. As one of today's leading scholars in the area of 'consumer-facing health technologies,' Dr. Jordan-Marsh has written a book that helps the rest of us understand how taking better care of ourselves is being played out in the digital age."--Katharyn A. May, DNSc, RN, FAAN Professor and Dean, School of Nursing University of Wisconsin-Madison --Book Jacket
Systems Thinking Made Simple - Derek Cabrera 2018-08-03

Creating Wicked Students - Paul Hanstedt 2018-05-31

In *Creating Wicked Students*, Paul Hanstedt argues that courses can and should be designed to present students with what are known as "wicked problems" because the skills of dealing with such knotty problems are what will best prepare them for life after college. As the author puts it, "this book begins with the assumption that what we all want for our students is that they be capable of changing the world...When a student leaves college, we want them

to enter the world not as drones participating mindlessly in activities to which they've been appointed, but as thinking, deliberative beings who add something to society." There's a lot of talk in education these days about "wicked problems"--problems that defy traditional expectations or knowledge, problems that evolve over time: Zika, ISIS, political discourse in the era of social media. To prepare students for such wicked problems, they need to have wicked competencies, the ability to respond easily and on the fly to complex challenges. Unfortunately, a traditional education that focuses on content and skills often fails to achieve this sense of wickedness. Students memorize for the test, prepare for the paper, practice the various algorithms over and over again--but when the parameters or dynamics of the test or the paper or the equation change, students are often at a loss for how to adjust. This is a course design book centered on the idea that the goal in the college classroom--in all classrooms, all the time--is to develop students who are not just loaded with content, but capable of using that content in thoughtful, deliberate ways to make the world a better place. Achieving this goal requires a top-to-bottom reconsideration of courses, including student learning goals, text selection and course structure, day-to-day pedagogies, and assignment and project design. *Creating Wicked Students* takes readers through each step of the process, providing multiple examples at each stage, while always encouraging instructors to consider concepts and exercises in light of their own courses and students.

Governance, Policy and Juxtaposition

- Michael Roe 2019-10-01

This book considers governance and

policy-making within the maritime sector, and focuses significantly on the dimensional context within which governance works. Recognising the importance of understanding governance and policy at times when the world is faced with social, political, and economic problems, it highlights the fact that both areas are equally significant in understanding today's political economy. By focusing on the maritime sector, a pillar industry supporting international trade activities, the book offers a unique perspective to explain the difficulties of balancing policy-making with governance in order to provide solutions. It also examines the importance of developing a governance process that encourages and accommodates juxtaposition in a way that ensures that the effect of independent policy-making is understood upon the success or otherwise of policies across a range of contexts and problems. Given the in-depth nature of the text, it is of interest to academics, researchers and professionals in the field.

James and the Giant Peach - Roald Dahl 2007-08-16

From the World's No. 1 Storyteller, James and the Giant Peach is a children's classic that has captured young reader's imaginations for generations. One of TIME MAGAZINE's 100 Best Fantasy Books of All Time After James Henry Trotter's parents are tragically eaten by a rhinoceros, he goes to live with his two horrible aunts, Spiker and Sponge. Life there is no fun, until James accidentally drops some magic crystals by the old peach tree and strange things start to happen. The peach at the top of the tree begins to grow, and before long it's as big as a house. Inside, James meets a bunch of oversized friends—Grasshopper, Centipede, Ladybug, and more. With a snip of the stem, the peach starts rolling away,

and the great adventure begins! Roald Dahl is the author of numerous classic children's stories including Charlie and the Chocolate Factory, Matilda, The BFG, and many more! "James and the Giant Peach remains a favorite among kids and parents alike nearly 60 years after it was first published, thanks to its vivid imagery, vibrant characters and forthright exploration of mature themes like death and hope." –TIME Magazine Cover may vary.

Collaborative Environmental Governance Frameworks - Timothy Gieseke 2019-08-21

This book takes a practical approach to understanding and describing collaborative governance for resolving environmental problems. It introduces a new collaborative governance assessment model and recognizes that collaborations are a natural result of organizations converging around complex issues. Rather than identifying actors by their type of organization, the actors are identified by the type of role they play. This approach is aligned with how individuals and organizations interact in practice, and their dependence on collaborations to solve emerging environmental problems. The book discusses real cases with governance issues and creates new frameworks for collaborations. Features: Addresses communities at all levels and scales that are gravitating toward collaborations to solve their environmental issues. Prepares and enables individuals to participate in collaborative governance and design collaborative governance frameworks. Introduces the first simplified and standardized model to assess governance using governance actors and styles. Explains governance in simple terms and builds governance frameworks from the individual's perspective; the smallest, viable

unit of governance in a collaboration. Describes "tools of convergence" for collaborative leaders to organize and align activities to create shared-governance outcomes and outputs.

Mental Health and Wellbeing through Schools - Rosalyn H. Shute 2016-04-14

Mental Health and Wellbeing through Schools brings together international experts from various disciplines to identify and address a range of current challenges in this rapidly-developing field of endeavour. The opening chapter details lessons learned from research and practice, outlining some emerging challenges for the effective implementation of mental health initiatives in schools. Subsequent chapters take up the various issues, exploring problems and proposing solutions. Topics fall within four broad areas:

- Organisational and leadership issues such as dealing with 'wicked' or 'hard-to-tame' (complex and resistant) problems and taking a broad public health approach;
- Teacher-related issues, such as how to integrate programs successfully into schools, and teacher skills and professional learning;
- The challenges and opportunities of new technologies, including cyberbullying and the use of online, multimedia and mobile resources for both student and teacher learning and support;
- The need for a greater focus on targeted interventions for at-risk students, such as those with disabilities; also addressing 'hard-to-tame' problems such as bullying, youth suicide and depression.

Mental Health and Wellbeing through Schools will be of interest to those involved in researching, developing, evaluating and implementing mental health initiatives in schools, including academics, practitioners, educators and educational and Mental Health policy makers. It will also be of use

to professionals, such as nurses and social workers, concerned with the wellbeing of children and adolescents. The book will have international appeal, with contributors from around the world, experienced in a range of contexts.

Rosalyn H. Shute is Adjunct Professor of Psychology at both Flinders and Federation Universities (Australia). Her research expertise lies broadly in clinical child psychology and paediatric psychology/child health and wellbeing. She is an experienced teacher of Developmental Psychology, educational and clinical child/paediatric psychology.

Phillip T. Slee is a Professor in Human Development in the School of Education at Flinders University, Adelaide, Australia. He is a trained teacher and registered psychologist. His main areas of interest include childhood bullying/aggression, mental health and wellbeing, stress and teacher education. He has a particular interest in the practical and policy implications of his research. He and Shute recently co-authored *Child Development: Theories and Critical Perspectives*.

Principles of Sustainable Business - Rob van Tulder 2022-11-04

The basic function of companies is to add value to society. Profits are a means to an end, not an end in itself. The ability of companies to innovate, scale and invest provides them with a powerful base for positive change. But companies are also criticized for not contributing sufficiently to society's grand challenges. An increasingly VUCA (Volatile, Uncertain, Complex and Ambiguous) world creates serious governance gaps that not only require new ways of regulation, but also new ways of doing business. Can companies effectively contribute to sustainable development and confront society's systemic challenges? Arguably the

most important frame to drive this ambition was introduced and unanimously adopted in 2015: the Sustainable Development Goals (SDGs). The SDG-agenda not only defines a holistic set of global goals and targets, but also foundational principles to guide meaningful action to their achievement by 2030. Multinational companies have signed up to the SDGs as the world's long-term business plan. Realizing the SDGs provides a yearly \$12 trillion investment and growth opportunity, while creating hundreds of millions of jobs in the process. But progress is too slow – witnessing society's inability to deal with pressing human, ecological, economic and health crises – whilst the vast potential for societal value creation remains underutilized. This book provides a timely account of the systemic, strategic and operational challenges that need to be addressed to enhance the effectiveness of corporate involvement in society, by using the SDGs as the leading principles-based framework for actionable, powerful and transformative change. Principles of Sustainable Business is written for graduate and postgraduate (executive) students, policymakers and business professionals who want to understand the complex challenges of global sustainability. It shows how companies can design and implement SDG-relevant strategies at three levels: the macro level, to assess whether the SDGs present wicked problems or opportunities; the micro level, to develop and operationalize innovative business models, design new business cases and navigate organizational transition

trajectories; and the meso level, to develop fit-for-purpose cross-sector partnering strategies. Principles of Sustainable Business presents innovative tools embedded in a coherent sequence of analytical frameworks that can be applied in courses for students, be put into practice by business professionals and used by action researchers to help companies contribute to the Decade of Action.

Impact Mapping - Gojko Adzic 2012-10
A practical guide to impact mapping, a simple yet incredibly effective method for collaborative strategic planning that helps organizations make an impact with software.

Wicked Solutions : A Systems Approach to Complex Problems - Bob Williams 2016-01-29

Wicked problems are complex, ill-structured, human problem situations. This book will help you design an inquiry and intervention in such messy, wicked situations. It does so by guiding you through the steps and stages of a systemic process that addresses your own wicked problem. Limited references to systems theory and history acquaint you with the key principles to work wicked problems on your own. The focus of this book on systems thinking is on a critically important question that often goes unanswered: "Where do I start?" It also provides numerous tips and tricks to keep you on the right track. You will find that the systems approaches in this book will not only help you to address wicked problems yourselves, but also that it will give you a basic grasp of what is involved in other systems methods. Few other investments in your intellectual toolbox could claim the same.