



2024 London Book Fair Rights Guide The MIT Press

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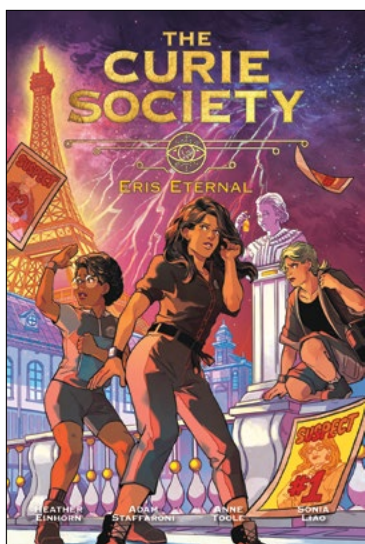
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The Curie Society

Eris Eternal

Volume 2

**Heather Einhorn, Adam Staffaroni,
and Anne Toole**

illustrated by Sonia Liao

The plucky young scientist heroes of *The Curie Society* go toe-to-toe with a powerful and sinister threat in a globe-spanning scientific adventure on the cutting edge of advanced biotech.

Our heroic teen science prodigies are back for a new mission with the Curie Society, an elite secret organization where brilliant women can pursue the furthest reaches of their intellect, and this time they face a threat more serious and more sinister than anything they've encountered before!

Maya, Taj, and Simone are supposed to be spending their summer broadening their horizons, but their plans take a strange and puzzling turn when the Curie Society's original chapter, at the Sorbonne in Paris, calls on them for help. Daksha, a Society alumna, is promoting cutting-edge science and technology startups at a showcase event, but someone has threatened to stop her and the proceedings. When Daksha is poisoned, the team swings into action to investigate.

Along with new friends from the Paris chapter of the Curie Society, the team is thrown into a globe-spanning quest and a dangerous game of cat and mouse with a shadowy villain intent on controlling the world's wealth through advanced biotech. The Curie Society will need all their specialized science skills to stop this scheme before it's too late!

Heather Einhorn (co-creator) has worked with Godzilla, Batman, and Superman, and as an executive producer for Einhorn Epic Productions (EEP). She co-created the teen detective scripted podcast series *Lethal Lit: A Tig Torres Mystery*, the science adventure graphic novel series *The Curie Society*, and the webcomic/pop music star Free Hexel, among others.

Adam Staffaroni (co-creator) is a lifelong fan of comics, and as an editor he's worked on books starring Punky Brewster, Care Bears, Peanuts, and many more. Now an executive producer for EEP, Adam creates new worlds for young readers with his creative partner, Heather Einhorn. Writers Guild Award winner

Anne Toole currently writes the *Horizon Zero Dawn* comic from Titan. She was also lead writer on the *Curse of the Pharaohs* DLC for *Assassin's Creed: Origins*, creator of the 100-episode series *Alles Liebe, Annette*, and writer for the Emmy-winning web series *The Lizzie Bennet Diaries*. **Sonia Liao** is an illustrator and comic artist based in Westford, Massachusetts. She graduated with her BFA in Illustration from MICA in 2014 before returning to New England and interning at Fablevision Studios.

biomedical sciences | graphic novel

March | 6 1/2 x 9 1/4, 168 pp.

US \$22.95T/\$29.95 CAN paperback

978-0-262-54437-5

"Simone, Maya, and Taj return in this fast-paced sequel to *The Curie Society*. The mystery seamlessly integrates scientific explanations into a STEM-based adventure you can't put down!"

—Christine Taylor-Butler,
author of *The Lost Tribes* and
Save the... Tigers

"It was a delight to join the young women of the Curie Society on another thrilling adventure as they use science and teamwork to solve problems and protect the world."

—Shohini Ghose, quantum
physicist; author of *Her Space*,
Her Time

"Teens to adults can experience the thrill of science through this lively futuristic adventure story. The book beautifully highlights contemporary projects of female scientists committed to a socially responsible and equitable world!"

—Jane Margolis, coauthor of
Power On!

From Intention to Impact

A Practical Guide to Diversity, Equity, and Inclusion

Malia C. Lazu

How business leaders can move their DEI efforts from intention to impact through strategy and culture change.

In the aftermath of George Floyd's murder, corporate America has doubled down on its public intentions to be more inclusive and equitable. Yet beyond the pledges it is difficult to see which system changes make a real difference. In *From Intention to Impact*, Malia Lazu draws on her background as a community organizer, her corporate career as a bank president, and now her experience as a leading DEI consultant to explain what has been holding organizations back and what they need to do better. First and foremost, she recognizes that truly moving from intention to impact means targeting and changing the traditions and culture that normalize whiteness.

From Intention to Impact shows what organizations, leaders, and people at all levels must do to create more inclusive environments that honor and value diversity. Lazu shares a seven-stage guide through this process as well as a 3L model of listening, learning, and loving that readers can use from the initial excitement of doing "something" to the frustration when the inevitable pushback comes, and finally to the determination to do the hard work despite the challenges—on corporate and political fronts. Most compelling, *From Intention to Impact* shows that, while commitment from the top is paramount, for DEI to be most effective, it needs to be decentralized—among managers, within teams, and across the organization.

A crucial read for anyone looking to future-proof their company, *From Intention to Impact* goes beyond the "feel good" PR-centric actions to showcase the real DEI work that must be done to create true and lasting systemic change.

Malia C. Lazu is an award-winning, tenured strategist in diversity and inclusion and a lecturer in the Technological Innovation, Entrepreneurship, and Strategic Management group at the MIT Sloan School of Management. She is former EVP and Regional President of Berkshire Bank and the creator of several accelerators designed to support minority-owned businesses in the Boston area, as well as the consultancy the Lazu Group.

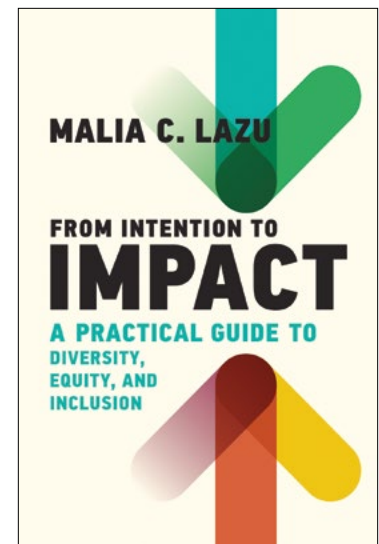
business

February | 6 x 9, 192 pp. | 3 b&w illus.

US \$32.95T/\$43.95 CAN cloth

978-0-262-04884-2

Management on the Cutting Edge series



"From Intention to Impact is destined to be an important guide to what might be the most pressing conversation of our time."

—Louis D. Maiuri, President & Head of Investment Services, State Street Corporation

"At a time, when our history is being erased and rewritten by those who will not take accountability, Lazu brings us a personal journey that is a true legacy of the civil rights movement—showing us how to reclaim our story and move forward."

—Gina Belafonte, Executive Director, Sankofa.org

Gaia's Web

How Digital Environmentalism Can Combat Climate Change, Restore Biodiversity, Cultivate Empathy, and Regenerate the Earth

Karen Bakker

A riveting exploration of one of the most important dilemmas of our time: will digital technology accelerate environmental degradation, or could it play a role in ecological regeneration?

At the uncanny edge of the scientific frontier, *Gaia's Web* explores the promise and pitfalls the Digital Age holds for the future of our planet. Instead of the Internet of Things, environmental scientist and tech entrepreneur Karen Bakker asks, why not consider the Internet of Living Things? At the surprising and inspiring confluence of our digital and ecological futures, Bakker explores how the tools of the Digital Age could be mobilized to address our most pressing environmental challenges, from climate change to biodiversity loss. Interspersed with ten elegiac, enigmatic parables, each of which is based on an existing technology, *Gaia's Web* evokes the conundrums we face as the World Wide Web intertwines with the Web of Life.

A new generation of innovators is deploying digital technology to come to the aid of the planet, using spy satellites to track down environmental criminals, inviting animals to the Metaverse, and biohacking Frankenstein-like biobots as environmental sentinels. But will they end up doing more harm than good? In an engaging take on conservation technology, Bakker looks at the digital tech applications to environmental issues from predatory harvesting of environmental data to human bycatch and eco-surveillance capitalism. If we address these issues and mobilize digitally mediated forms of citizen science, she argues, digital tech could help reverse environmental harms and advance environmental sustainability. And in the process, Big Tech might be transformed for the better.

With its uniquely broad scope—combining insights from computer science, ecology, engineering, environmental science, and environmental law—*Gaia's Web* introduces profoundly novel ways of addressing our most pressing environmental challenges—mitigating climate change, protecting endangered species—and creating new possibilities for ecological justice by empowering nonhumans to participate in environmental regulation.

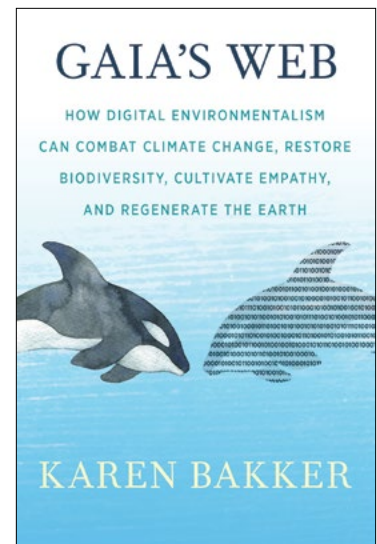
Karen Bakker was a Guggenheim Fellow, Professor at the University of British Columbia, and the Matina S. Horner Distinguished Visiting Professor at the Radcliffe Institute for Advanced Study at Harvard University. She was the author of *The Sounds of Life: How Digital Technology Is Bringing Us Closer to the Worlds of Animals and Plants*. She passed away in August 2023.

nature | technology

April | 6 x 9, 280 pp. | 1 b&w illus.

US \$29.95T/\$39.95 CAN cloth

978-0-262-04875-0



Crowded Out

The True Costs of Crowdfunding Healthcare

Nora Kenworthy

An eye-opening investigation into charitable crowdfunding for health care in the United States—and the consequences of allowing health care access to be decided by the digital crowd.

Over the past decade, charitable crowdfunding has exploded in popularity across the globe. Sites such as GoFundMe, which now boasts a “global community of over 100 million” users, have transformed the ways we seek and offer help. When faced with crises—particularly medical ones—Americans are turning to online platforms that promise to connect them to the charity of the crowd. What does this new phenomenon reveal about the changing ways we seek and provide health care? In *Crowded Out*, Nora Kenworthy examines how charitable crowdfunding so quickly overtook public life, where it is taking us, and who gets left behind by this new platformed economy.

Although crowdfunding has become ubiquitous in our lives, it is often misunderstood: rather than a friendly free market “powered by the kindness” of strangers, crowdfunding is powerfully reinforcing inequalities and changing the way Americans think about and access health care. Drawing on extensive research and rich storytelling, *Crowded Out* demonstrates how crowdfunding for health is fueled by—and further reinforces—financial and moral “toxicities” in market-based health care systems. It offers a unique and distressing look beneath the surface of some of the most popular charitable platforms and helps to foster thoughtful discussions of how we can better respond to health care crises both small and large.

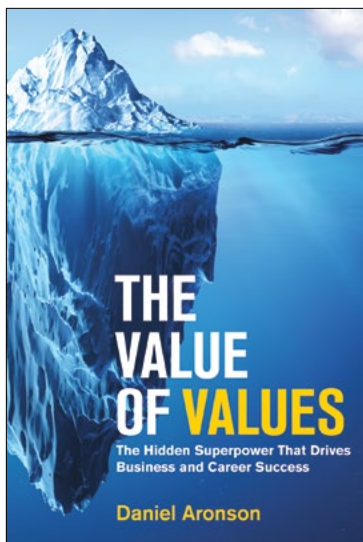
Nora Kenworthy is Associate Professor at the University of Washington Bothell. She is the author and editor of several books, and her writing has appeared in the *American Journal of Public Health*, *Social Science and Medicine*, *PLOS One*, *Scientific American*, the *Washington Post*, and the *Los Angeles Times*.

health

April | 6 x 9, 232 pp. | 9 b&w illus.

US \$24.95T/\$33.95 CAN paperback

978-0-262-54803-8



The Value of Values

How Leaders Can Grow Their Businesses and Enhance Their Careers by Doing the Right Thing

Daniel Aronson

A compelling case for how moral values and profitable business can go hand in hand.

Acting on values—doing good for the benefit of all—can substantially benefit the bottom line, but many business leaders mistakenly believe that doing the right thing lowers profits. This belief is the greatest barrier holding businesses back from being more financially and competitively successful—and delivering good for the world. Not only can it be a winning business strategy to act on values, as Daniel Aronson suggests in *The Value of Values*, but it is also a savvy choice, increasing a company’s power, profit, and competitive advantage—in many cases with little additional investment or risk.

It starts with seeing what others miss. Using extensive research and real-world calculations, Aronson demonstrates that the “submerged value” of initiatives such as taking bold action to combat climate change, helping people find jobs, or creating an open, inclusive work environment is normally four to ten times more effective than initially believed. Calculating and capturing the true business benefit of acting on values provides a much-needed update to the sustainability and responsibility playbook. Even more important, it shows executives how to harness the value of values to improve profitability, acquire customers, and turbocharge their own careers.

Written by a measurement pioneer and one of the world’s foremost experts on making ethical business count, *The Value of Values* trains leaders to respond smartly and credibly to today’s challenges, transforming how business can and should be done.

Daniel Aronson is the creator of InVEST, which quantifies value from sustainability and responsibility and has helped clients quantify more than \$2 billion in sustainability-driven business value. He is also the creator of Impact Science, Customer Science, Stakeholder Science, and True Plastic Impact.

business

February | 6 x 9, 312 pp.

US \$32.95T/\$43.95 CAN cloth

978-0-262-04838-5

Management on the Cutting Edge series

“This amazing book is loaded with lessons and important ideas! Read it, apply it, and let it change your life.”

—Brian Tracy, speaker, consultant, and author of *Eat That Frog*

“*The Value of Values* is a game-changing book that disrupts the notion that values are a luxury rather than a necessity in business. This book is a must-read for leaders who want to create a values-driven organization and unlock its full potential.”

—Marshall Goldsmith, Thinkers50 #1 Executive Coach and New York Times bestselling author of *The Earned Life*, *Triggers*, and *What Got You Here Won’t Get You There*

Decisionscape

How Thinking Like an Artist Can Improve
Our Decision Making

Elsbeth Kirkman

**How thinking like an artist can provide the
perspective necessary to make better choices.**

“Why are so many of our decisions regrettable, and what can we do about it? *Decisionscape* maps the surprising ways that our decisions are influenced and how thinking like an artist can help us deliberately arrange our perspective to make better choices. Introducing the concept of a “decisionscape,” Elspeth Kirkman blends art and science with insights from moral philosophy, sports, geopolitics, and elsewhere to explore decision making in a refreshingly original way. A broadly appealing and relatable book, *Decisionscape* asks us to confront the prejudices, blind spots, and hypocrisy in our day-to-day thinking.

When we make choices, Kirkman explains, we act like an artist arranging objects on a canvas, using our system of perspective to compose a mental representation of the world. This decisionscape includes a foreground and background, a frame, a fixed viewpoint, and outside influences. Organized into four parts that unpack a different facet of the book’s organizing principle, *Decisionscape* shows how psychological distance dictates what we prioritize and diminish, how the big picture can often look different from its parts, how culture and context frame decisions, and how personal worldviews alter how we interpret information. Complex and timely, *Decisionscape* addresses one of the most fundamental human experiences: making better decisions to live our best life.

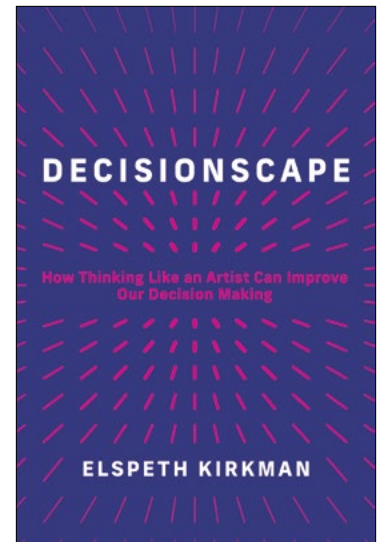
Elsbeth Kirkman is Chief Programme Officer at the innovation agency Nesta and a Visiting Senior Research Fellow at King’s College London’s Policy School and Exeter University’s Business School. Working at the intersection of design, data, and experimentation, she is the coauthor of *Behavioral Insights* (MIT Press).

psychology

March | 5 1/4 x 8, 288 pp. | 14 b&w illus.

US \$27.95T/\$36.95 CAN cloth

978-0-262-04894-1



Rebel Health

A Field Guide to the Patient-Led Revolution
in Medical Care

Susannah Fox

An action-oriented and radically hopeful field guide to the underground, patient-led revolution for better health and health care.

Anyone who has fallen off the conveyor belt of mainstream health care and into the shadowy corners of illness knows what a dark place it is to land. Where is the infrastructure, the information, the guidance? What should you do next? In *Rebel Health*, Susannah Fox draws on twenty years of tracking the expert networks of patients, survivors, and caregivers who have come of age between the cracks of the health care system to offer a way forward. Covering everything from diabetes to ALS to Moebius Syndrome to chronic disease management, Fox taps into the wisdom of these individuals, learns their ways, and fuels the rebel alliance that is building up our collective capacity for better health.

Rebel Health shows how the next wave of health innovation will come from the front lines of this patient-led revolution. Fox identifies and describes our archetypes of this revolution: seekers, networkers, solvers, and champions. Each chapter includes tips, such as picking a proxy to help you navigate the relevant online communities, or learning how to pitch new ideas to investors and partners or new treatments to the FDA. On a personal level, anyone who wants to navigate the health care maze faster will want to become a health rebel or recruit some to their team. On a systemic level, it is a competitive advantage for businesses, governments, and organizations to understand and leverage the power of connection among patients, survivors, and caregivers.

Proactive, optimistic, and innovative, *Rebel Health* is a guiding light for anyone who wishes to join the health rebel alliance and become the hero of their own story.

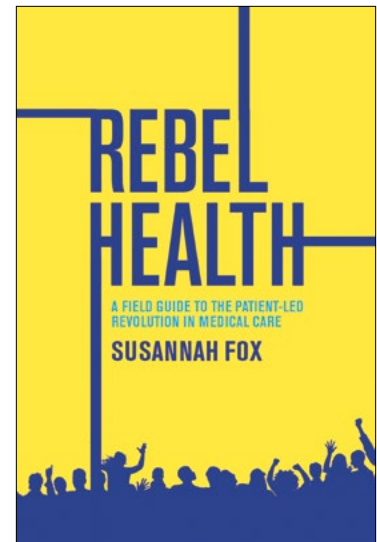
Susannah Fox helps people navigate health and technology. She served as Chief Technology Officer for the US Department of Health and Human Services, where she led an open data and innovation lab. Prior to that, she was the entrepreneur-in-residence at the Robert Wood Johnson Foundation and directed the health portfolio at the Pew Research Center's Internet Project.

health | medicine | business

February | 6 x 9, 160 pp. | 26 b&w illus.

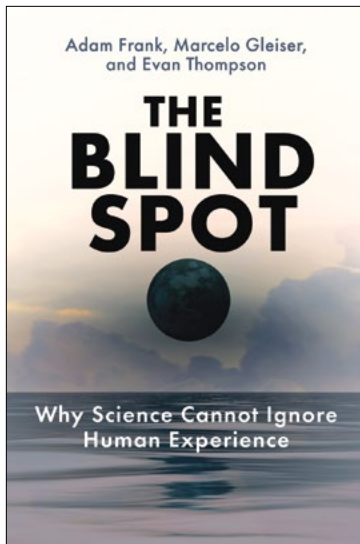
US \$29.95T/\$39.95 CAN cloth

978-0-262-04889-7



“Navigating the health care system can feel overwhelming for anyone recently diagnosed with a disease as well as for health care professionals trying to give excellent care to their patients. A revolution is brewing, and no one is more qualified than Susannah Fox to lead it. *Rebel Health* is an inspiring and empowering field guide for transforming American medicine into true health care. Highly recommended!”

**—Dean Ornish, M.D.,
New York Times bestselling
author of *UnDo It!***



The Blind Spot

Why Science Cannot Ignore Human Experience

Adam Frank, Marcelo Gleiser, and Evan Thompson

A compelling argument for including the human perspective within science, and for how human experience makes science possible.

It's tempting to think that science gives us a God's-eye view of reality. But we neglect the place of human experience at our peril. In *The Blind Spot*, astrophysicist Adam Frank, theoretical physicist Marcelo Gleiser, and philosopher Evan Thompson call for a revolutionary scientific worldview, where science includes—rather than ignores or tries not to see—humanity's lived experience as an inescapable part of our search for objective truth. The authors present science not as discovering an absolute reality but rather as a highly refined, constantly evolving form of human experience. They urge practitioners to reframe how science works for the sake of our future in the face of the planetary climate crisis and increasing science denialism.

Since the dawn of the Enlightenment, humanity has looked to science to tell us who we are, where we come from, and where we're going, but we've gotten stuck thinking we can know the universe from outside our position in it. When we try to understand reality only through external physical things imagined from this outside position, we lose sight of the necessity of experience. This is the Blind Spot, which the authors show lies behind our scientific conundrums about time and the origin of the universe, quantum physics, life, AI and the mind, consciousness, and Earth as a planetary system. The authors propose an alternative vision: scientific knowledge is a self-correcting narrative made from the world and our experience of it evolving together. To finally "see" the Blind Spot is to awaken from a delusion of absolute knowledge and to see how reality and experience intertwine.

The Blind Spot goes where no science book goes, urging us to create a new scientific culture that views ourselves both as an expression of nature and as a source of nature's self-understanding, so that humanity can flourish in the new millennium.

Adam Frank is the Helen F. and Fred H. Gowen Professor in the Department of Physics and Astronomy at the University of Rochester and a winner of the Carl Sagan Medal. He is the author of *Light of the Stars*. **Marcelo Gleiser** is the Appleton Professor of Natural Philosophy at Dartmouth, the 2019 Templeton Prize laureate, and author of seven widely translated books, most recently *The Dawn of a Mindful Universe*. **Evan Thompson** is Professor of Philosophy at the University of British Columbia, Vancouver, and a Fellow of the Royal Society of Canada. He is the author or coauthor of five books in cognitive science and philosophy.

"We are in a crisis that is global and civilizational in scale and existential. A conceptual transformation is needed.

***The Blind Spot* shows us why."**

– Stuart A. Kauffman, author of *A World Beyond Physics* and *At Home in the Universe*

science | philosophy

March | 6 x 9, 328 pp.

US \$29.95T/\$39.95 CAN cloth

978-0-262-04880-4

Brazilian Portuguese language rights are not available.

The Chinese Computer

A Global History of the Information Age

Thomas S. Mullaney

The fascinating, untold story of how the Chinese language overcame unparalleled challenges and revolutionized the world of computing.

A standard QWERTY keyboard has a few dozen keys. How can Chinese—a language with tens of thousands of characters and no alphabet—be input on such a device? In *The Chinese Computer*, Thomas Mullaney sets out to resolve this paradox, and in doing so, discovers that the key to this seemingly impossible riddle has given rise to a new epoch in the history of writing—a form of writing he calls “hypography.” Based on 15 years of research, this pathbreaking history of the Chinese language charts the beginnings of electronic Chinese technology in the wake of World War II up through to its many iterations in the present day.

Mullaney takes the reader back through the history and evolution of Chinese language computing technology, showing the development of electronic Chinese input methods—software programs that enable Chinese characters to be produced using alphanumeric symbols—and the profound impact they have had on the way Chinese is written. Along the way, Mullaney introduces a cast of brilliant and eccentric personalities drawn from the ranks of IBM, MIT, the CIA, the Pentagon, the Taiwanese military, and the highest rungs of mainland Chinese establishment, to name a few, and the unexpected roles they played in developing Chinese language computing. Finally, he shows how China and the non-Western world—because of the hypographic technologies they had to invent in order to join the personal computing revolution—“saved” the Western computer from its deep biases, enabling it to achieve a meaningful presence in markets outside of the Americas and Europe.

An eminently engaging and artfully told history, *The Chinese Computer* is a must-read for anyone interested in how culture informs computing and how computing, in turn, shapes culture.

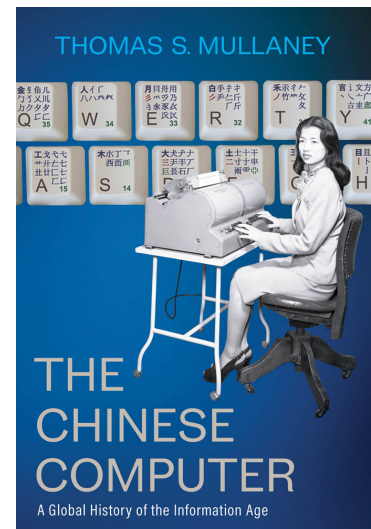
Tom Mullaney is Professor of Chinese History at Stanford University and a Guggenheim Fellow. He is the author of *The Chinese Typewriter: A History*, *Where Research Begins*, and *Coming to Terms with the Nation: Ethnic Classification in Modern China*.

technology

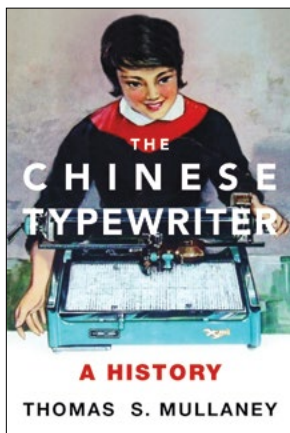
May | 6 x 9, 376 pp. | 54 b&w illus.

US \$34.95T/\$45.95 CAN cloth

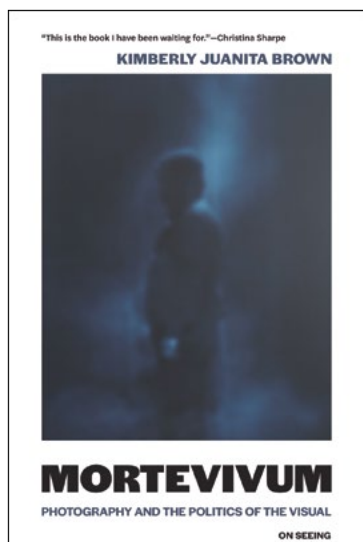
978-0-262-04751-7



Also available



978-0-262-53610-3



Mortevivum

Photography and the Politics of the Visual

Kimberly Juanita Brown

A powerful examination of the unsettling history of photography and its fraught relationship to global antiblackness.

Since photography's invention, black life has been presented as fraught, short, agonizingly filled with violence, and indifferent to intervention: living death—mortevivum—in a series of still frames that refuse a complex humanity. In *Mortevivum*, Kimberly Juanita Brown shows us how the visual logic of documentary photography and the cultural legacy of empire have come together to produce the understanding that blackness and suffering—and death—are inextricable. Brown traces this idea from the earliest images of the enslaved to the latest newspaper photographs of black bodies, from the United States and South Africa to Haiti and Rwanda, documenting the enduring, pernicious connection between photography and a global history of antiblackness.

Photography's history, inextricably linked to colonialism and white supremacy, is a catalog of othering, surveillance, and the violence of objectification. In the genocide in Rwanda, for instance, photographs after the fact tell viewers that blackness comes with a corresponding violence that no human intervention can abate. In Haiti, the first black republic in the Western Hemisphere, photographic "evidence" of its sovereign failure suggests that the formerly enslaved cannot overthrow their masters and survive to tell the tale. And in South Africa and the United States, a loop of racial violence reminds black subjects of their lower-class status mandated via the state. Illustrating the global nature of antiblackness that pervades photographic archives of the present and the past, *Mortevivum* reveals how we live in a repetition of imagery signaling who lives and who dies on a gelatin silver print—on a page in a book, on the cover of newspaper, and in the memory of millions.

Kimberly Juanita Brown is the inaugural director of the Institute for Black Intellectual and Cultural Life at Dartmouth College where she is also Associate Professor of English and creative writing. She is the author of *The Repeating Body: Slavery's Visual Resonance in the Contemporary*.

photography

February | 5 x 7 3/4, 232 pp. | 34 b&w illus.

US \$18.95T/\$24.95 CAN paperback

978-0-262-54764-2

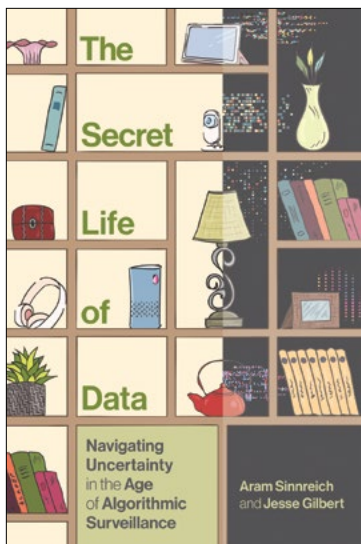
On Seeing series

"Cogent, beautifully conceived and written, and utterly convincing, *Mortevivum* is an instruction, like the poetry of Clifton and Tretheway, in how one might stay with and make present the black living and the dead. . . . This is the book I have been waiting for."

—Christina Sharpe, Canada Research Chair in Black Studies in the Humanities at York University, Toronto, and author of *Ordinary Notes*

"*Mortevivum* charts a path for us to read, see, feel, think and look more intelligently—from the slurred violences of the visuality commonly fit to print, to the possibility of blurs that 'reflect our interior lives while leaving room for the exigencies of movement, stillness, and time.'"

—Kevin Quashie, Brown University, author of *Black Aliveness, or a Poetics of Being*



The Secret Life of Data

Navigating Hype and Uncertainty in the Age of Algorithmic Surveillance

Aram Sinnreich and Jesse Gilbert

How data surveillance, digital forensics, and generative AI pose new long-term threats and opportunities—and how we can use them to make better decisions in the face of technological uncertainty.

In *The Secret Life of Data*, Aram Sinnreich and Jesse Gilbert explore the many unpredictable, and often surprising, ways in which data surveillance, AI, and the constant presence of algorithms impact our culture and society in the age of global networks. The authors build on this basic premise: no matter what form data takes, and what purpose we think it's being used for, data will always have a secret life. How this data will be used, by other people in other times and places, has profound implications for every aspect of our lives—from our intimate relationships to our professional lives to our political systems.

With the secret uses of data in mind, Sinnreich and Gilbert interview dozens of experts to explore a broad range of scenarios and contexts—from the playful to the profound to the problematic. Unlike most books about data and society that focus on the short-term effects of our immense data usage, *The Secret Life of Data* focuses primarily on the long-term consequences of humanity's recent rush toward digitizing, storing, and analyzing every piece of data about ourselves and the world we live in. The authors advocate for “slow files” regarding our relationship to data, such as creating new laws and regulations, ethics and aesthetics, and models of production for our data-fied society.

Cutting through the hype and hopelessness that so often inform discussions of data and society, *The Secret Life of Data* clearly and straightforwardly demonstrates how readers can play an active part in shaping how digital technology influences their lives and the world at large.

Aram Sinnreich is an author, professor, and musician. He is Chair of Communication Studies at American University. His books include *Mashed Up*, *The Piracy Crusade*, *The Essential Guide to Intellectual Property*, and *A Second Chance for Yesterday* (published as R. A. Sinn). **Jesse Gilbert** is an interdisciplinary artist exploring the intersection of visual art, sound, and software design at his firm Dark Matter Media. He was the founding Chair of the Media Technology department at Woodbury University, and he has taught interactive software design at both CalArts and UC San Diego.

popular science | technology

April | 6 x 9, 304 pp. | 9 b&w illus.

US \$29.95T/\$39.95 CAN cloth

978-0-262-04881-1

Information Society series

Counting Feminicide

Data Feminism in Action

Catherine D'Ignazio

Why grassroots data activists in Latin America count feminicide—and how this vital social justice work challenges mainstream data science.

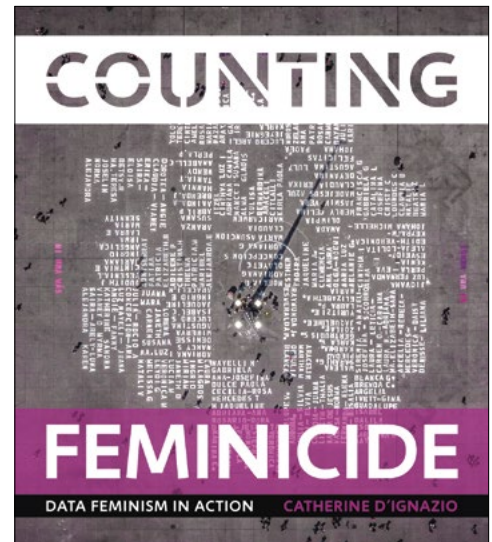
What isn't counted doesn't count. And mainstream institutions systematically fail to account for feminicide, the gender-related killing of women and girls, including cisgender and transgender women. Against this failure, *Counting Feminicide* brings to the fore the work of data activists across the Americas who are documenting such murders—and challenging the reigning logic of data science by centering care, memory, and justice in their work.

Drawing on Data Against Feminicide, a large-scale collaborative research project, Catherine D'Ignazio describes the creative, intellectual, and emotional labor of feminicide data activists who are at the forefront of a data ethics that rigorously and consistently takes power and people into account.

Individuals, researchers, and journalists—these data activists scour news sources to assemble spreadsheets and databases of women killed by gender-related violence, then circulate those data in a variety of creative and political forms. Their work reveals the potential of restorative/transformational data science—the use of systematic information to, first, heal communities from the violence and trauma produced by structural inequality, and second, to envision and work towards the world in which such violence has been eliminated. Specifically, D'Ignazio explores the possibilities and limitations of counting and quantification—reducing complex social phenomena to convenient, sortable, agreeable forms—when the goal is nothing short of the elimination of gender-related violence.

Counting Feminicide showcases the incredible power of data feminism in practice, in which each murdered woman or girl counts, and, in being counted, joins a collective demand for the restoration of rights and a transformation of the gendered order of the world.

Catherine D'Ignazio is Associate Professor of Urban Science and Planning in the Department of Urban Studies and Planning at MIT. She is the coauthor, with Lauren F. Klein, of *Data Feminism* (MIT Press).

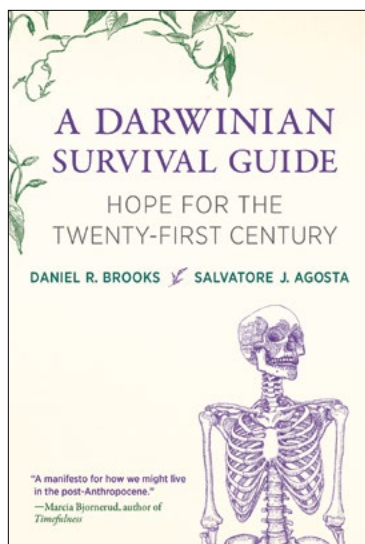


information science | gender studies

April | 8 x 9, 392 pp. | 40 color illus., 8 b&w illus.

US \$34.95T/\$45.95 CAN cloth

978-0-262-04887-3



A Darwinian Survival Guide

Hope for the Twenty-First Century

Daniel R. Brooks and Salvatore J. Agosta

How humanity brought about the climate crisis by departing from its evolutionary trajectory 15,000 years ago—and how we can use evolutionary principles to save ourselves from the worst outcomes.

Despite efforts to sustain civilization, humanity faces existential threats from overpopulation, globalized trade and travel, urbanization, and global climate change. In *A Darwinian Survival Guide*, Daniel Brooks and Salvatore Agosta offer a novel—and hopeful—perspective on how to meet these tremendous challenges by changing the discourse from sustainability to survival. Darwinian evolution, the world's only theory of survival, is the means by which the biosphere has persisted and renewed itself following past environmental perturbations, and it has never failed, they explain. Even in the aftermath of mass extinctions, enough survivors remain with the potential to produce a new diversified biosphere.

Drawing on their expertise as field biologists, Brooks and Agosta trace the evolutionary path from the early days of humans through the Late Pleistocene and the beginning of the Anthropocene all the way to the Great Acceleration of technological humanity around 1950, demonstrating how our creative capacities have allowed humanity to survive. However, constant conflict without resolution has made the Anthropocene not only unsustainable, but unsurvivable. Guided by the four laws of biotics, the authors explain how humanity should interact with the rest of the biosphere and with each other in accordance with Darwinian principles. They reveal a middle ground between apocalypse and utopia, with two options: alter our behavior now at great expense and extend civilization or fail to act and rebuild in accordance with those same principles. If we take the latter, then our immediate goal ought to focus on preserving as many of humanity's positive achievements—from high technology to high art—as possible to shorten the time needed to rebuild.

Daniel R. Brooks is Professor Emeritus, University of Toronto, Senior Research Fellow, H. W. Manter Laboratory of Parasitology, University of Nebraska State Museum, and Fellow of the Stellenbosch Institute for Advanced Study (STIAS). He is the coauthor of *The Stockholm Paradigm* and *The Major Metaphors of Evolution*. **Salvatore J. Agosta** is Associate Professor at Virginia Commonwealth University and Fellow of the Stellenbosch Institute for Advanced Study. He is the author of more than fifty scientific publications and coauthor of *The Major Metaphors of Evolution: Darwinism Then and Now*.

nature | ecology

February | 6 x 9, 352 pp. | 19 b&w illus.

US \$32.95T/\$43.95 CAN cloth

978-0-262-04868-2

“A sweeping retrospective on the evolution of humankind and a manifesto for how we might live in the post-Anthropocene.”

—Marcia Bjornerud, Professor of Geosciences, Lawrence University; author of *Timefulness*

“A wondrously honest, fundamentally optimistic book that shows how, if enough of us adapt, humanity will survive. No book I know has put its case so well and so convincingly.”

—Andrew Sheng, Distinguished Fellow, Asia Global Institute, University of Hong Kong

The AI Playbook

Mastering the Rare Art of Machine Learning Deployment

Eric Siegel

In his bestselling first book, Eric Siegel explained how machine learning works. Now, in *The AI Playbook*, he shows how to capitalize on it.

The greatest tool is the hardest to use. Machine learning is the world's most important general-purpose technology—but it's notoriously difficult to launch. Outside Big Tech and a handful of other leading companies, machine learning initiatives routinely fail to deploy, never realizing value. What's missing? A specialized business practice suitable for wide adoption. In *The AI Playbook*, bestselling author Eric Siegel presents the gold-standard, six-step practice for ushering machine learning projects from conception to deployment. He illustrates the practice with stories of success and of failure, including revealing case studies from UPS, FICO, and prominent dot-coms. This disciplined approach serves both sides: It empowers business professionals, and it establishes a sorely needed strategic framework for data professionals.

Beyond detailing the practice, this book also upskills business professionals—painlessly. It delivers a vital yet friendly dose of semi-technical background knowledge that all stakeholders need to lead or participate in machine learning projects, end to end. This puts business and data professionals on the same page so that they can collaborate deeply, jointly establishing precisely what machine learning is called upon to predict, how well it predicts, and how its predictions are acted upon to improve operations. These essentials make or break each initiative—getting them right paves the way for machine learning's value-driven deployment.

A note from the author:

What kind of AI does this book cover? The buzzword AI can mean many things, but this book is about machine learning, which is a central basis for—and what many mean by—AI. To be specific, this book covers the most vital use cases of machine learning, those designed to improve a wide range of business operations.

Eric Siegel is a leading consultant and former Columbia University and UVA Darden professor. He is the founder of the long-running Machine Learning Week conference series, a frequent keynote speaker, and author of the bestselling *Predictive Analytics: The Power to Predict Who Will Click, Buy, Lie, or Die*.

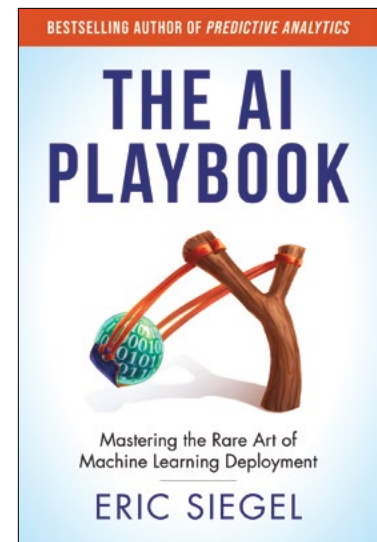
technology | business

February | 6 x 9, 264 pp. | 22 b&w illus.

US \$32.95T/\$45.95 CAN cloth

978-0-262-04890-3

Management on the Cutting Edge series



“This book is the driver’s manual for machine learning—every business and analytics professional should read it.”

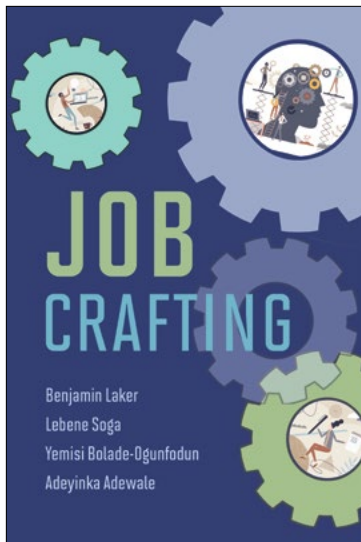
—Morgan Vawter, Global VP Data & Analytics, Unilever

“The ultimate blueprint for tapping machine learning’s full potential.”

—Andy Gray, Data & Tech Advisory Director, Deloitte

“An antidote to today’s relentless AI hype – why some AI initiatives thrive while others fail and what it takes for companies and people to succeed.”

—Charles Duhigg, author of bestsellers *The Power of Habit* and *Smarter Faster Better*



Job Crafting

**Benjamin Laker, Lebene Soga,
Yemisi Bolade-Ogunfodun, and Adeyinka Adewale**

A practical and timely guide that shows employees how to craft the jobs they want and managers how to shape their organizations in ways that are conducive to such job crafting.

Job Crafting is a rigorous, modern take on job redesign that empowers workers to transform the jobs they have into the ones they want. Through the process of job crafting, a worker proactively alters their job to emphasize tasks that better align with their skills or that allow opportunities to learn new skills, with the help of executives who are willing to transform their organizations into supportive work environments. Offering practical guidance surrounded in original empirical evidence, British researcher Benjamin Laker and coauthors Lebene Soga, Yemisi Bolade-Ogunfodun, and Adeyinka Adewale describe the steps necessary for businesses and organizations to facilitate that support.

Based on thousands of interviews with staff and leaders at such Fortune 500 firms as Apple and Microsoft, the authors' clear, four-step framework shows managers how to maximize staff engagement and productivity by building the systems, structures, and processes that empower workers to job craft. As new principles of stewardship, authenticity, and empowerment redefine the old command-and-control leadership approach, and generations Y and Z seek autonomy and purpose at work, job crafting offers a potential silver bullet to many workforce problems. Aimed at managers, executives, scholars, and executive education students, *Job Crafting* rejuvenates discussions of job design, leaving readers informed and ready to discuss how to improve their performance and satisfaction in all sectors.

Benjamin Laker is a former government adviser turned scholar who is currently serving as Professor of Leadership at Henley Business School, University of Reading, and Visiting Fellow at Birkbeck, University of London. **Lebene Richmond Soga** is Professor of Entrepreneurship and Management Practice at Leeds Business School, Leeds Beckett University, a Senior Fellow of the UK Higher Education Academy and a multi-award-winning academic. **Yemisi Bolade-Ogunfodun** is Associate Professor in Organisational Behaviour at the Global Business School for Health, University College London, as well as a Senior Fellow of the UK Higher Education Academy. **Adeyinka Adewale** is Associate Professor of Leadership Ethics and Entrepreneurship, and Director of Studies at Henley Business School, University of Reading. He is the founder of Africa Social Innovators' Network.

Rather than passively receive job titles and role descriptions, job crafters harness meaning at work through three primary avenues:

- **exercising greater control over tasks,**
- **determining the way tasks are perceived, and**
- **shaping social context.**

business

April | 6 x 9, 152 pp. | 7 figures

US \$32.95T/\$43.95 CAN cloth

978-0-262-04888-0

Management on the Cutting Edge series

Leadership as Masterpiece Creation

What Leaders Can Learn from the Humanities

**Charles Spinoso, Matthew Hancocks,
and Haridimos Tsoukas**

How leaders can take the moral risks necessary to create “masterpieces”—admirable, distinctive, and high-achieving businesses that create meaningful lives for customers, employees, and themselves.

In *Leadership as Masterpiece Creation*, Charles Spinoso, Matthew Hancocks, and Haridimos Tsoukas show how the humanities can help leaders create profitable, masterpiece organizations. Such organizations, they assert, are ones that possess the emotional and moral sensibilities of an artist, the wisdom of a statesperson, and the technical know-how of commerce. The authors draw on the works of Nietzsche, Heidegger, Bernard Williams, Shakespeare, and Machiavelli to conceptualize moral risk-taking, and then on the actions of Churchill, Madam C. J. Walker, Anita Roddick, Jeff Bezos, and others to show how the humanities can help create admirable businesses today.

As management consultants and educators steeped in the humanities themselves, the authors discuss their experiences helping business leaders achieve successful masterpieces that bring good lives to many. After describing our contemporary business environment and examples of leaders who have created masterpiece organizations, the book turns to the basic skills of masterpiece creation: managing moods, building trust, listening for difference, and speaking truth to power. Then come the senior skills: moral risk-taking and creating a masterpiece organizational culture, strategy, and leadership style. Last, the authors explain why their leaders build an economy of gratitude.

A culturally ambitious and refreshing read, *Leadership as Masterpiece Creation* is an invaluable volume for leaders of every stripe who wish to act daily with moral imagination.

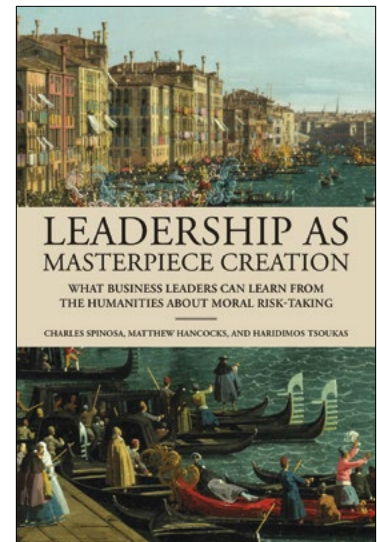
Charles Spinoso is a management consultant with more than 25 years of experience. His consulting portfolio ranges from start-ups to Global 1000 companies. He is coauthor of *Disclosing New Worlds* (MIT Press). **Matthew Hancocks** has over 25 years of consulting and coaching experience for growth businesses and market leaders from biotech to wind farms, insurance to logistics, and national heritage to temporary staffing. **Haridimos Tsoukas** is Columbia Ship Management Professor of Strategic Management, University of Cyprus, and Distinguished Research Environment Professor of Organization Studies at Warwick Business School, University of Warwick. He is the author of *Philosophical Organization Theory*.

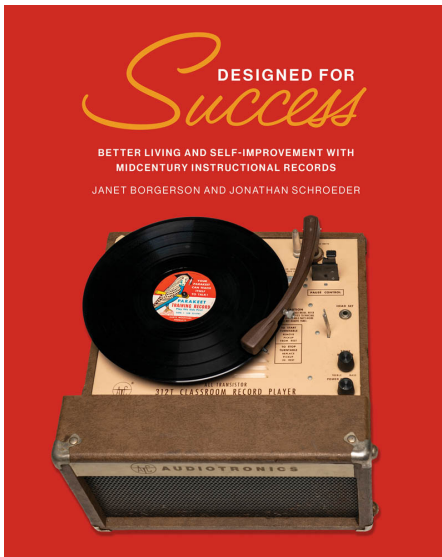
business | management

March | 6 x 9, 296 pp. | 7 b&w illus.

US \$29.95T/\$39.95 CAN cloth

978-0-262-04896-5





Designed for Success

Better Living and Self-Improvement
with Midcentury Instructional Records

Janet Borgerson and Jonathan Schroeder

A charmingly illustrated history of midcentury instructional records and their untold contribution to the American narrative of self-improvement, aspiration, and success.

For the midcentury Americans who wished to better their golf game through hypnosis, teach their parakeet to talk, or achieve sexual harmony in their marriage, the answers lay no further than the record player. In *Designed for Success*, Janet Borgerson and Jonathan Schroeder shed light on these endearingly earnest albums that contributed to a powerful American vision of personal success. Rescued from charity shops, record store cast-off bins, or forgotten boxes in attics and basements, these educational records reveal the American consumers' rich but sometimes surprising relationship to advertising, self-help, identity construction, and even aspects of transcendentalist thought.

Relegated to obscurity and novelty, instructional records such as *Secrets of Successful Varmint Calling*, *You Be a Disc Jockey*, and *How to Ski (A Living-Room Guide for Beginners)* offer distinct insights into midcentury media production and consumption. Tracing the history of instructional records from the inception of the recording industry to the height of their popularity, Borgerson and Schroeder offer close readings of the abundant topics covered by “designed for success” records. Complemented by over a hundred full-color illustrations, *Designed for Success* is a wonderfully nostalgic tour that showcases the essential role these vinyl records played as an unappreciated precursor to contemporary do-it-yourself culture and modern conceptions of self-improvement.

Janet Borgerson is the Senior Wicklander Fellow at DePaul University. **Jonathan Schroeder** is the William A. Kern Professor in the School of Communication, Rochester Institute of Technology. Borgerson and Schroeder are coauthors of *Designed for Hi-Fi Living: The Vinyl LP in Midcentury America*, named a best book of 2017 by the *Financial Times* and a best music book of 2017 by *Vinyl Factory*, and *Designed for Dancing: How Midcentury Records Taught America to Dance* (both MIT Press).

design | music

May | 8 x 10, 288 pp. | 127 color illus.

US \$39.95T/\$53.95 CAN cloth

978-0-262-04883-5



Machine à Amuser

The Life and Death of the Beistegui Penthouse Apartment

Wim van den Bergh

A richly illustrated history of a single building, the celebrated and yet enigmatic penthouse of the wealthy playboy Charles de Beistegui, designed by Le Corbusier and Pierre Jeanneret in late 1920s Paris.

What does it take to build not only a house but a machine for amusement? In *Machine à Amuser*, Wim van den Bergh chronicles the genesis of the famous penthouse of French-born Mexican millionaire bachelor Charles de Beistegui. The penthouse was planned and constructed by Le Corbusier & Pierre Jeanneret and built on a rooftop site on the Champs-Élysées between 1929–1932. Retracing the evolution of this icon of modern architecture from the initial competition between Gabriel Guevrekian, André Lurçat, and Le Corbusier & Pierre Jeanneret up to the executed version, van den Bergh tells the story of a client's ambition to build a house devoted to entertaining on one of the most well-heeled streets of Paris.

Machine à Amuser also examines the cultural milieu of artists and patrons that surrounded Beistegui and which ultimately determined the apartment's conception and use, including its rococo and surrealist-inspired interior decor. Drawing on a panoply of archival material, van den Bergh narrates the tensions that arose between client and architects as each vied for creative control of the project. As the book shows, while Le Corbusier, with his cousin Pierre Jeanneret, remained the official architects of the penthouse, its famed interior was ultimately designed by the client, Charles de Beistegui.

An account of a single building beloved by architects and architectural historians, *Machine à Amuser* tells a story that has never been told before. Van den Bergh redresses this lacuna in rich detail, revealing the history of the Beistegui penthouse, the evolution of the project, and its eventual erasure from the roofscapes of Paris.

Wim van den Bergh is Emeritus Professor of Housing and Design at the RWTH Aachen University, Germany.

architecture

April | 8 1/2 x 11, 288 pp. | 127 color illus., 151 b&w illus.

US \$65.00T/\$78.95 CAN cloth

978-0-262-04877-4

Something Completely Different

Architecture in Belgium

Christophe van Gerrewey

How architecture in Belgium, from its very beginnings, has epitomized modernity and singularity.

Since the foundation of the country in 1830, architecture in Belgium has been an expression of the key issues of modern Western societies. In *Something Completely Different*, Christophe Van Gerrewey uses this small European country as a case study to describe, interpret, and criticize more universal spatial problems and behaviors. In seven wide-ranging essays, he looks at the activities of architects from the past two centuries to better understand political evolutions, social gaps, aesthetic considerations, housing and planning, transport and infrastructure, order and chaos, and culture and ecology. The result is a literary text full of surprises and discoveries, showing both the shortcomings and the merits of what architects do.

Written as a kind of anti-guidebook, *Something Completely Different* appropriates certain clichés about Belgium (Baudelaire famously called Belgian monuments “counterfeits of France”), eschews the pragmatism of most guidebooks in favor of meditative, essayistic prose, and finally, cunningly, reveals that all along the subject has not been Belgium at all, but rather the nature of architecture.

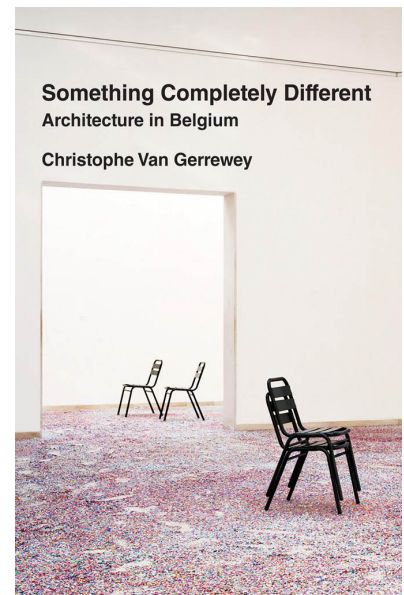
Christophe Van Gerrewey is Assistant Professor of Architecture Theory at EPFL Lausanne. He is the editor of *OMA/Rem Koolhaas: A Critical Reader from Delirious New York to S,M,L,XL* and the author of *Choosing Architecture and Higher Knowledge: SANAAs Rolex Learning Center at EPFL since 2010*.

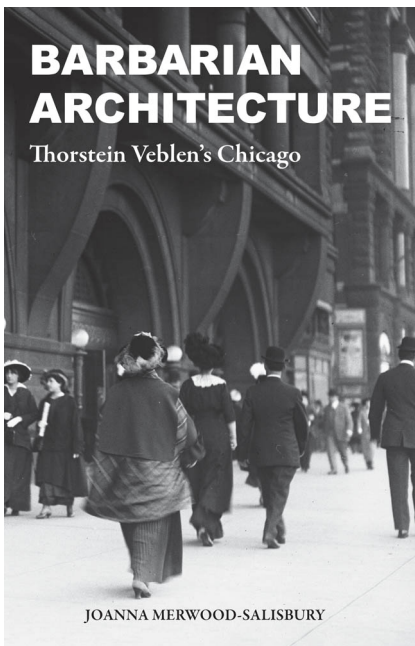
architecture

July | 6 1/4 x 9 1/2, 320 pp. | 76 color illus., 19 b&w illus.

US \$39.95T/\$53.95 CAN paperback

978-0-262-54751-2





Barbarian Architecture

Thorstein Veblen's Chicago

Joanna Merwood-Salisbury

A richly visual architectural history and theory of modernity that reexamines Thorstein Veblen's classic text *The Theory of the Leisure Class* through the lens of Chicago in the 1890s.

An important critic of modern culture, American economist Thorstein Veblen is best known for the concept of “conspicuous consumption,” the ostentatious and wasteful display of goods in the service of social status—a term he coined in his 1899 classic *The Theory of the Leisure Class*. In the field of architectural history, scholars have employed Veblen in support of a wide range of arguments about modern architecture, but never has he attracted a comprehensive and critical treatment from the viewpoint of architectural history. In *Barbarian Architecture*, Joanna Merwood-Salisbury corrects this omission by reexamining Veblen's famous book as an original theory of modernity and situating it in a particular place and time—Chicago in the 1890s.

Merwood-Salisbury takes her title from Veblen's use of the term “barbarian,” which refers to his belief that Gilded Age American society was a last remnant of a barbarian state of greed and acquisitiveness. Taking an interdisciplinary approach that draws on biography, intellectual history, and historiography, she explores Veblen's position in relation to debates about industrial reform and aesthetics in Chicago during the period 1890–1906. Bolstered by a strong visual narrative made possible by several of Chicago's historic photographic collections, *Barbarian Architecture* makes a compelling and original argument for the influence of Veblen's home city on his work and ideas.

Joanna Merwood-Salisbury is Professor of Architecture at Victoria University of Wellington, New Zealand. She has held academic positions at Parsons School of Design, Bard College, and the University of Illinois at Chicago. Her publications include *Design for the Crowd, After Taste*, coedited with Kent Kleinman and Lois Weinthal, and *Chicago 1890*.

architecture

June | 5 1/2 x 9, 336 pp. | 68 b&w illus.

US \$34.95T/\$45.95 CAN paperback

978-0-262-54741-3



Wolkenbügel

El Lissitzky as Architect

Richard Anderson

How a visionary, never-realized architectural project, devised by one of the twentieth century's greatest artists, shaped architectural culture in Europe between the world wars.

After achieving international acclaim as a painter and designer, El Lissitzky set out in 1924 to convince the world—and himself—that he was also an architect. He did this with a project for a “horizontal skyscraper,” which he gave an obscure and untranslatable name: Wolkenbügel. Eight of these buildings, perched atop slender pillars, were intended to stand at major intersections along Moscow’s Boulevard

Ring, integrating the flow of tramlines, subways, and elevators. In *Wolkenbügel*, Richard Anderson explores Lissitzky’s translation of visual and textual media into spatial ideas and offers an in-depth study of the surviving drawings and archival artifacts related to Lissitzky’s most complex architectural proposal.

This book offers a new and definitive account of how Lissitzky expanded the conceptual and representational tools available to the modern architect by drawing on many sources—including photography, typography, exhibition design, and even the elementary forms of the alphabet—to create the Wolkenbügel. Anderson shows how the production and reception of a paper project served to link key ideas and relationships that animated the worlds of art and architecture, offering a new view on received histories of the interwar avant-gardes. By attending to Lissitzky’s singular architectural project, Anderson reveals the dynamics of internationality in the constitution of modern architectural culture in Europe.

Richard Anderson is Professor of Architectural History and Theory at the University of Edinburgh. He is the editor of Ludwig Hilberseimer’s *Metropolisarchitecture* and *Selected Essays* and the author of *Russia: Modern Architectures in History*.

architecture

April | 8 1/2 x 11, 336 pp. | 242 color illus., 10 b&w illus.

US \$65.00T/\$78.95 CAN cloth

978-0-262-04878-1

German and Russian language rights are not available.

Contemporanea

A Glossary for the Twenty-First Century

edited by Michael Marder and Giovanbattista Tusa

A groundbreaking, multidisciplinary collection that rethinks our present moment and anticipates the key concepts that will shape and direct the twenty-first century.

Contemporanea is a nascent lexicon for the twenty-first century edited by seasoned philosophers and authors Michael Marder and Giovanbattista Tusa. The collection showcases perspectives from a range of noteworthy thinkers in philosophy, ecology, and cultural studies, as well as artists, from across the globe, including Slavoj Žižek, Timothy Morton, Denise Ferreira Da Silva, and Vandana Shiva, who each describe what they anticipate will be the concepts shaping the trajectory of this century—everything from the world state to the nuclear taboo, automation to Teslaism, plant sexuality to arachnomancy, and ecotrauma to resonances, to name a few.

This century, as the editors explain, has to date grounded itself in the debris of the preceding century, whose revolutions and struggles failed to transform our time: post-colonialism, post-fascism, and post-liberalism have morphed into neocolonialism, neofascism, and neoliberalism, often combined in a previously unimaginable mix. And, just as the political developments at the beginning of the twenty-first century revived and reshuffled those of the preceeding epoch, so too have philosophical trends sought to breathe fresh life into the stillborn -isms of the past—realism, vitalism, logicism, materialism, empiricism, criticism—adding the adjective “new” and sometimes “radical” before them. To articulate a different future, another language is needed. And, to develop another language, one needs to develop fresh concepts, including the concepts proposed in this collection.

Michael Marder is the Ikerbasque Research Professor in the Department of Philosophy at the University of the Basque Country, Vitoria-Gasteiz, Spain. His past books include *Plant-Thinking: A Philosophy of Vegetal Life* and *Philosophy for Passengers* (MIT Press). **Giovanbattista Tusa** is a philosopher and video artist based at the Nova University of Lisbon in Portugal, where he coordinates the research program X-CENTRIC FUTURES. He is a coauthor, with Alain Badiou, of *The End*.

philosophy

March | 6 x 9, 384 pp. | 47 b&w illus.

US \$26.95T/\$35.95 CAN paperback

978-0-262-54762-8

Spanish, Portuguese, and Italian language rights are not available.



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Tuinen, Santiago Zabala, Zahi Zalloua,
Slavoj Žižek

What's That Smell?

A Philosophy of the Olfactory

Simon Hajdini

Short Circuits series

What's That Smell?

A Philosophy of the Olfactory

Simon Hajdini

How our sense of smell engages with philosophy, psychoanalysis, and political economy—and how it can help enrich our understanding of the nature of truth, language, economy, and sexuality.

Why is it that, in Indo-European languages at least, we have no language to describe smells, leaving us (and famously Juliet) no choice but to call the scent of a rose simply “sweet”? In *What's That Smell?*, a groundbreaking exploration of the intersection between philosophy, psychoanalysis, and the oft-neglected sense of smell, Simon Hajdini sets out to answer this complex question. Through new readings of traditional and modern philosophical texts, Hajdini places smell at the very center of a philosophical critique of the traditional notion of truth, challenging the idea that smell is the antiphilosophical sense par excellence.

Through fresh engagements with fundamental philosophical issues, original analyses of modern literature and film, and the novel use of scientific research into smell within a humanities context, Hajdini situates problems of olfaction at the very point of inception of cultural life. He proposes that ontology, civilization, and capitalist economy alike can be said to amount to “shit management.” And only by following the philosophically most deplorable of the senses, the book argues, can we better understand the central philosophical, psychoanalytical, and political issues of truth, sex, and exploitation.

Simon Hajdini is Senior Research Associate in the Department of Philosophy at the University of Ljubljana. He is the author of two books in Slovene and several research articles in contemporary philosophy, social and political theory, German idealism, and psychoanalysis.

philosophy

March | 6 x 9, 216 pp. | 2 b&w illus.

US \$29.95T/\$39.95 CAN paperback

978-0-262-54756-7

Short Circuits series, edited by Slavoj Žižek

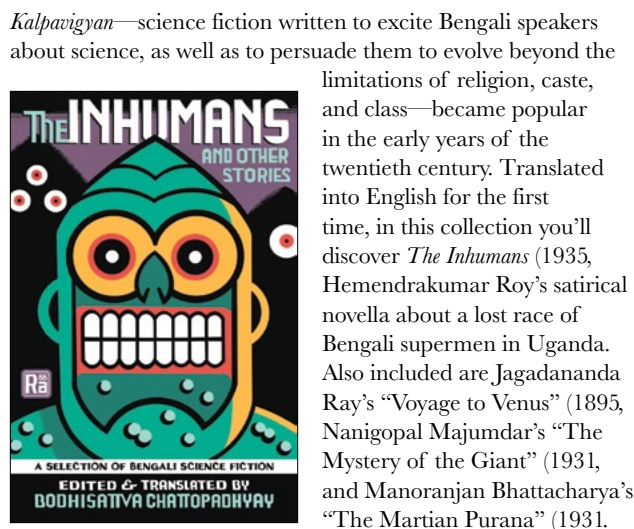
The Inhumans and Other Stories

A Selection of Bengali Science Fiction

edited by Bodhisattva Chattopadhyay

translated by Bodhisattva Chattopadhyay

The first English translation of a cult science fiction favorite by Hemendra Kumar Roy, one of the giants of early Bangla literature, and other sf stories from the colonial period in India.



Bodhisattva Chattopadhyay is Associate Professor in Global Culture Studies at the University of Oslo. He is the leader of CoFUTURES, an international research group on contemporary futurisms headquartered in Oslo. He is a World Fantasy Award-winning editor, translator, writer, and critic of speculative fiction, and the producer of *Kalpavigyan: A Speculative Journey*, the first documentary film on Indian science fiction.

science fiction

March | 5 1/4 x 8, 184 pp.

US \$19.95T/\$25.95 CAN paperback

978-0-262-54761-1

Radium Age series

Man's World

Charlotte Haldane

introduction by Philippa Levine

In a eugenics-driven future society, will one young woman's defiance make a difference?

In the not-too-distant future, England's population quality and quantity are under scientific control: Only those deemed

the fittest are permitted to procreate. Women are groomed to be "vocational mothers"—or else sterilized and put to other uses. Written by an author married to one of the world's most prominent eugenics advocates, this ambivalent adventure anticipates both *Brave New World* and *The Handmaid's Tale*. When a young woman rebels against her conditioning, can she break free?



Charlotte Haldane (1894–1969) was a journalist who advocated for divorce reform and married women's

employment... while also idealizing motherhood. In 1926, the year that *Man's World* was published, she married the eminent biologist J. B. S. Haldane. Her 1927 book, *Motherhood and Its Enemies*, made a progressive argument for easier access to contraceptives for women, while enraging feminists by arguing that only after having borne children could a woman be regarded as "normal." She went on to found the Science News Service, and reported on World War II from the Russian Front.

science fiction

March | 5 1/4 x 8, 296 pp.

US \$19.95T/\$25.95 CAN paperback

978-0-262-54763-5

Radium Age series

Covers by Seth



Radium Age Series

Under the direction of Joshua Glenn, the MIT Press's Radium Age reissues notable proto-science fiction stories from the underappreciated era between 1900 and 1935, with new contributions by historians, science journalists, and science fiction authors.

Universal Basic Income

Karl Widerquist

An accessible introduction to the simple (yet radical) premise that a small cash income, sufficient for basic needs, ought to be provided regularly and unconditionally to every citizen.

The growing movement for universal basic income (UBI) has been gaining attention from politics and the media with the audacious idea of a regular, unconditional cash grant for everyone as a right of citizenship. This volume in the Essential Knowledge series presents the first short, solid UBI introduction that is neither academic nor polemic. It takes a position in favor of UBI, but its primary goal remains the provision of essential knowledge by answering the fundamental questions about it: What is UBI? How does it work? What are the arguments for and against it? What is the evidence?

Karl Widerquist discusses how UBI functions, showing how it differs from other redistributive approaches. He summarizes the common arguments for and against UBI and presents the reasons for believing it is a tremendously important reform. The book briefly discusses the likely cost of UBI; options for paying for it; the existing evidence on the probable effects of UBI; and the history of UBI from its inception more than two hundred years ago through the two waves of support it received in the twentieth century to the third and largest wave of support it is experiencing now. Now more than ever, conditions in much of the world are ripe for such enthusiasm to keep growing, and there are good reasons to believe that this current wave of support will eventually lead to the adoption of UBI in several countries around the world—making this volume an especially timely and necessary read.

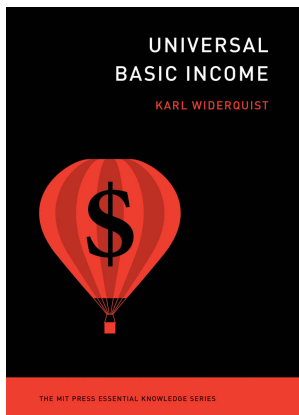
Karl Widerquist is Professor of Philosophy at Georgetown University-Qatar, specializing in distributive justice. *The Atlantic Monthly* calls him “a leader of the worldwide basic income movement.”

political science | economics

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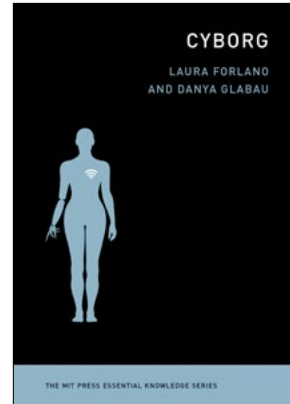


Cyborg

Laura Forlano and Danya Glabau

A concise introduction to cyborg theory that examines the way in which technology is situated, political, and embodied.

This introduction to cyborg theory provides a critical vantage point for analyzing the claims around emerging technologies



like automation, robots, and AI. *Cyborg* analyzes and reframes popular and scholarly conversations about cyborgs from the perspective of feminist cyborg theory. Drawing on their combined decades of training, teaching, and research in the social sciences, design, and engineering education, Laura Forlano and Danya Glabau introduce an approach called *critical cyborg literacy*. Critical cyborg literacy foregrounds power dynamics and pays attention to the ways that social

and cultural factors such as gender, race, and disability shape how technology is imagined, developed, used, and resisted.

Forlano and Glabau offer critical cyborg literacy as a way of thinking through questions about the relationship between humanity and technology in areas such as engineering and computing, art and design, and health care and medicine, as well as the social sciences and humanities. *Cyborg* examines whether modern technologies make us all cyborgs—if we consider, for instance, the fact that we use daily technologies at work, have technologies embedded into our bodies in health care applications, or use technology to critically explore possibilities as artists, designers, activists, and creators. Lastly, *Cyborg* offers perspectives from critical race, feminist, and disability thinkers to help chart a path forward for cyborg theory in the twenty-first century.

Laura Forlano is Professor in the College of Arts, Media and Design at Northeastern University. She is a coeditor of three books: *digitalSTS*, and *Bauhaus Futures* and *From Social Butterfly to Engaged Citizen* (both MIT Press). **Danya Glabau** is Industry Assistant Professor in the Department of Technology, Culture and Society at the Tandon School of Engineering at New York University. She is the author of *Food Allergy Advocacy: Parenting and the Politics of Care*.

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Psychoanalytic Politics

Jacques Lacan and Freud's French Revolution

second edition, with a new preface

Sherry Turkle

An updated edition of the seminal book that explores why the interest in psychoanalysis in France exploded after 1968, and what it says about culture and therapy.

Among Western countries, France may well be the one that resisted Freud the longest. But, in the late 1960s, France was seized by an infatuation with Freudianism. By the end of that decade, France had more than a psychoanalytic movement: it had a widespread and deeply rooted psychoanalytic culture. At the heart of this development was Jacques Lacan's reconstruction of Freudian theory, a reinvention of psychoanalysis that resonated with French culture in the aftermath of the uprisings of 1968. In *Psychoanalytic Politics*, the second edition of her groundbreaking work, Sherry Turkle tells the fascinating story of Lacan and why his work so profoundly influenced the French psyche.

While in the United States psychoanalysis is identified with an essentially conservative medical establishment, the French rediscovery of Freud, in a dramatic enactment of Freud's prophesy, became associated with the most radical elements of French philosophical and political life. In this book, Turkle provides a firsthand account of the psychoanalytic culture that developed in France—as a politicized, Gallicized, and poeticized Freudianism, deeply marked by the work of Jacques Lacan. The clearest introduction in English to Lacan's teaching, *Psychoanalytic Politics* explores how cultures appropriate theories of mind and how ideas come to connect with individuals. The book's final chapter provides a fascinating portrayal of the last years of Lacan's life—the intrigue and power struggles that resulted in the break-up of the Freudian School he founded and the events that unfolded in the years following his death in 1981.

This edition includes a new preface by the author, reflecting on the origins of the book and its relevance for today: a time when the integration of thought and feeling, politics and self-examination is as urgent an endeavor as ever.

Sherry Turkle is the Abby Rockefeller Mauzé Professor of the Social Studies of Science and Technology at MIT. Her notable books include *The Second Self*, *Life on the Screen*, *Simulation and Its Discontents*, *Alone Together*, *Reclaiming Conversation*, and *The Empathy Diaries*.

psychology | cultural studies | French history

July | 5 1/4 x 8, 384 pp. | 1 b&w illus.

US \$25.00X/\$34.00 CAN paperback

978-0-262-54817-5

Fifty Years of *Dungeons & Dragons*

edited by Premeet Sidhu, Marcus Carter,
and José P. Zagal

On the fiftieth anniversary of *Dungeons & Dragons*, a collection of essays that explores and celebrates the game's legacy and its tremendous impact on gaming and popular culture.

In 2024, the enormously influential tabletop role-playing game *Dungeons & Dragons*—also known as *D&D*—celebrates its fiftieth anniversary. To mark the occasion, editors Premeet Sidhu, Marcus Carter, and José Zagal have assembled an edited collection that celebrates and reflects on important parts of the game's past, present, and future. Each chapter in *Fifty Years of Dungeons & Dragons* explores why the nondigital game is more popular than ever—with sales increasing 33 percent during the COVID-19 pandemic, despite worldwide lockdowns—and offers readers the opportunity to critically reflect on their own experiences, perceptions, and play of *D&D*.

Fifty Years of Dungeons & Dragons draws on fascinating research and insight from expert scholars in the field, including: Gary Alan Fine, whose 1983 book *Shared Fantasy* remains a canonical text in game studies; Jon Peterson, celebrated *D&D* historian; Daniel Justice, Canada Research Chair in Indigenous Literature and Expressive Culture; and numerous leading and emerging scholars from the growing discipline of game studies, including Amanda Cote, Esther MacCallum-Stewart, and Aaron Trammell. The chapters cover a diverse range of topics—from *D&D*'s adoption in local contexts and classrooms and by queer communities to speculative interpretations of what *D&D* might look like in one hundred years—that aim to deepen readers' understanding of the game.

Premeet Sidhu is an accredited English and History teacher and PhD student at the University of Sydney. Her PhD looks at the modern resurgence and educational application of the tabletop role-playing game *Dungeons & Dragons*. **Marcus Carter** is Associate Professor in Digital Cultures at the University of Sydney. With Kelly Bergstrom and Darryl Woodford, he edited *Internet Spaceships Are Serious Business: An EVE Online Reader* and is the author of *Treacherous Play* (MIT Press). **José P. Zagal** is Professor at the University of Utah's Entertainment Arts & Engineering program. He is the author of *Ludoliteracy*, editor of *The Videogame Ethics Reader*, and editor-in-chief of *Transactions of the Digital Games Research Association*. Zagal has been honored as a DiGRA Distinguished Scholar and a Fellow of the Higher-Education Video Game Alliance for his contributions to games research.

game studies

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Algorithms of Resistance

The Everyday Fight against Platform Power

Tiziano Bonini and Emiliano Treré

How global workers, influencers, and activists develop tactics of algorithmic resistance by appropriating and repurposing the same algorithms that control our lives.

Algorithms are all around us, permeating more and more aspects of our daily lives. While accounts of platform power tend to come across as bleak and monolithic, *Algorithms of Resistance* shows how people can resist algorithms across a variety of domains. Drawing from rich ethnographic materials and perspectives from both the Global North and South, authors Tiziano Bonini and Emiliano Treré explore how people appropriate and reconfigure algorithms to pursue their objectives in three domains of everyday life: gig work, cultural industries, and politics. They reveal how forms of algorithmic agency

and resistance are endemic and mundane and how the platform society is a contested battleground of contrasting forces.

Bonini and Treré begin by outlining their key theoretical framework of moral economies. This framework argues that algorithms exist on a continuum. At its two extremes are two competing moral economies: the user moral economy and the platform moral economy. From here, *Algorithms of Resistance* chronicles the various inventive ways that individuals can work to achieve agency and resist the ubiquitous power of algorithms. Casting a wide net with a diverse range of case studies, Bonini and Treré reveal the moral imperative for all of us—from delivery drivers to artists to social movements—to resist algorithms.

Tiziano Bonini is Associate Professor in Sociology of Culture and Communication in the Department of Social, Political and Cognitive Sciences at the University of Siena in Italy. **Emiliano Treré** is Reader in Data Agency and Media Ecologies at Cardiff University's School of Journalism, Media and Culture. He is the author of *Hybrid Media Activism*, winner of the Outstanding Book Award of the ICA Interest Group "Activism, Communication and Social Justice."

technology

February | 6 x 9, 256 pp. | 19 b&w illus.

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Sex and the Planet

What Opt-In Reproduction Could Do for the Globe

Margaret Pabst Battin

What if human reproduction was always elective? A prominent bioethicist speculates about the possibilities—and the likely consequences.

What would the world be like if all pregnancy was intended, not unintended as it is nearly half the time now? Considerably better, Margaret Pabst Battin suggests in *Sex and the Planet*, a provocative thought experiment with far-reaching real-world implications. Many of the world's most vexing and seemingly intractable issues begin with sex—when sperm meets egg, as Battin puts it—abortion, adolescent pregnancy, high-risk pregnancy, sexual violence, population growth and decline. Rethinking reproductive rights and exposing our many mistaken assumptions about sex, *Sex and the Planet* offers an optimistic picture of how we might solve these problems—by drastically curtailing unintended pregnancies using currently available methods.

How we see this picture—as recommendation, prediction, Utopian fantasy, totalitarian plot, hypothetical conjecture, or realistic solution—depends to a great degree on which of thirteen problematic assumptions we maintain, assumptions Battin works to identify and challenge. Taking on sensitive topics like abortion and rape and religious issues around contraception, she shows how a fully informed, non-ideological approach could defuse much of the friction such issues tend to generate. Also, in her attention to male contraception and the asymmetry of female and male reproductive control, she pulls in the 50 percent of the human race—those with Y chromosomes—largely left out of discussions of reproductive health. *Sex and the Planet*, finally, takes a global view, inviting us to consider a possible—even plausible—reproductive future.

Margaret Pabst Battin is Distinguished Professor of Philosophy and Adjunct Professor of Internal Medicine, Center for Health Ethics, Arts, and Humanities, at the University of Utah. She has written, cowritten, edited, or coedited some twenty books, including *The Least Worst Death* and other volumes on end-of-life issues.

philosophy | bioethics | public health

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Basic Bioethics series

Tor

From the Dark Web to the Future of Privacy

Ben Collier

A biography of Tor—a cultural and technological history of power, privacy, and global politics at the internet's core.

Tor, one of the most important and misunderstood technologies of the digital age, is best known as the infrastructure



underpinning the so-called Dark Web. But the real “dark web,” when it comes to Tor, is the hidden history brought to light in this book: where this complex and contested infrastructure came from, why it exists, and how it connects with global power in intricate and intimate ways. In *Tor: From the Dark Web to the Future of Privacy*, Ben Collier has written, in essence, a biography of Tor—a cultural and technological history of power, privacy, politics, and empire in the deepest reaches of the internet.

The story of Tor begins in the 1990s with its creation by the US Navy’s Naval Research Lab, from a convergence of different cultural worlds. Drawing on in-depth interviews with designers, developers, activists, and users, along with twenty years of mailing lists, design documents, reporting, and legal papers, Collier traces Tor’s evolution from those early days to its current operation on the frontlines of global digital power—including the strange collaboration between US military scientists and a group of freewheeling hackers called the Cypherpunks. As Collier charts the rise and fall of three different cultures in Tor’s diverse community—the engineers, the maintainers, and the activists, each with a distinct understanding of and vision for Tor—he reckons with Tor’s complicated, changing relationship with the contemporary US empire. Ultimately, the book reveals how different groups of users have repurposed Tor and built new technologies and worlds of their own around it, with profound implications for the future of the Internet.

Ben Collier is Lecturer in Digital Methods in the Department of Science, Technology, and Innovation Studies at the School of Social and Political Science, University of Edinburgh.

technology

April | 6 x 9, 240 pp.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54818-2

The Character of Consent

The History of Cookies and the Future of Technology Policy

Meg Leta Jones

The rich, untold origin story of the ubiquitous web cookie—what’s wrong with it, why it’s being retired, and how we can do better.

Consent pop-ups continually ask us to download cookies to our computers, but is this all-too-familiar form of privacy protection effective? No, Meg Leta Jones explains in *The Character of Consent*, rather than promote functionality, privacy, and decentralization, cookie technology has instead made the internet invasive, limited, and clunky. Good thing, then, that the cookie is set for retirement in 2024. In this eye-opening book, Jones tells the little-known story of this broken consent arrangement, tracing it back to the major transnational conflicts around digital consent over the last twenty-five years. What she finds is that the policy controversy is not, in fact, an information crisis—it’s an identity crisis.

Instead of asking how people consent, Jones asks who exactly is consenting and to what. Packed into those cookie pop-ups, she explains, are three distinct areas of law with three different characters who can consent. Within (mainly European) data protection law, the data subject consents. Within communication privacy law, the user consents. And within consumer protection law, the privacy consumer consents. These areas of law have very different histories, motivations, institutional structures, expertise, and strategies, so consent—and the characters who can consent—plays a unique role in those areas of law. *The Character of Consent* gives each computer character its due, taking us back to their origin stories within the legal history of computing. By doing so, Jones provides alternative ways of understanding the core issues within the consent dilemma. More importantly, she offers bold new approaches to creating and adopting better tech policies in the future.

Meg Leta Jones is Provost’s Distinguished Associate Professor in the Communication, Culture & Technology program at Georgetown University and the author of *Ctrl+Z: The Right to Be Forgotten*. She is also a core faculty member of the Science, Technology and International Affairs program in Georgetown’s School of Foreign Service, a faculty affiliate with the Institute for Technology Law & Policy at Georgetown Law Center, and a faculty fellow at the Georgetown Ethics Lab.

technology

June | 6 x 9, 256 pp. | 10 b&w illus.

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Information Policy series

The Creative Brain

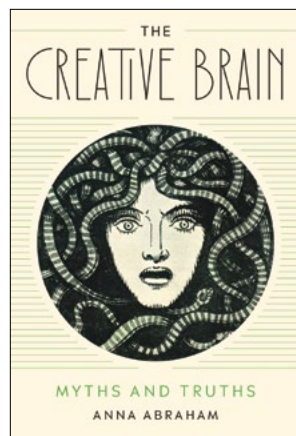
Myths and Truths

Anna Abraham

A nuanced, science-based understanding of the creative mind that dispels the pervasive myths we hold about the human brain—but also uncovers the truth at their cores.

What is the relationship between creativity and madness?

Creativity and intelligence? Do psychedelics truly enhance



creativity? How should we understand the left and right hemispheres of the brain? Is the left brain, in fact, the seat of reasoning and the right brain the seat of creativity? These are just some of the questions Anna Abraham, a renowned expert of human creativity and the imagination, explores in *The Creative Brain*, a fascinating deep dive into the origins of the seven most common beliefs about the human brain. Rather than endorse or debunk these myths, Abraham traces them

back to their origins to explain just how they started and why they spread—and what at their core is the truth.

Drawing on theoretical and empirical work in cognitive psychology and neuroscience, Abraham offers an examination of human creativity that reveals the true complexity underlying our conventional beliefs about the brain. The chapters in the book explore the myth of the right brain as the hemisphere responsible for creativity; the relationship between madness and creativity, psychedelics and creativity, atypical brains and creativity, and intelligence and creativity; the various functions of dopamine; and lastly, the default mode revolution, which theorized that the brain regions most likely to be involved in the creative process are those areas of the brain that are most active during rest or mind-wandering.

An accessible and engaging read, *The Creative Brain* gets to the heart of how our creative minds work and why some people are more creative than others, offering illuminating insights into what on its surface seems to be an endlessly magical phenomenon.

Anna Abraham is the E. Paul Torrance Professor and Director of the Torrance Center for Creativity and Talent Development at the University of Georgia. She is the author of *The Neuroscience of Creativity* and the editor of the multidisciplinary volume *The Cambridge Handbook of the Imagination*.

cognitive science | psychology

April | 5 1/4 x 8, 280 pp.

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The Ghost in the Addict

Shepard Siegel

How withdrawal distress and cravings can haunt current and former addicts, and what they can teach us about addiction and its treatments.

“The dead drug leaves a ghost behind. At certain hours it haunts the house,” Jean Cocteau once wrote. In *The Ghost in the Addict*, Shepard Siegel offers a Pavlovian analysis of drug use. Chronic drug use, he explains, conditions users to have an anticipatory homeostatic correction, which protects the addict from overdose. This drug-preparatory response, elicited by drug-paired cues, is often mislabeled a “withdrawal response.” The withdrawal response, however, is not due to the baneful effects of previous drug administrations; rather, it is due to the body’s preparation for the next drug administration—a preparatory response that can haunt addicts like a ghost long after they have conquered their usage.

Examining the failure of legislation, the circumstances of overdose, and the cues that promote drug use, Siegel seeks to counter the widespread belief that addiction is evidence of a pathology. Instead, he proposes that the addict has an adaptive, learned response to the physiological changes wrought by drug use. It is only through understanding so-called withdrawal symptoms as a Pavlovian response, he explains, that we can begin to understand why addicts experience cravings long after their last drug use.

“Nobody knows more about what really happens in addiction than Shep Siegel.” —Angela Duckworth, author of *Grit*

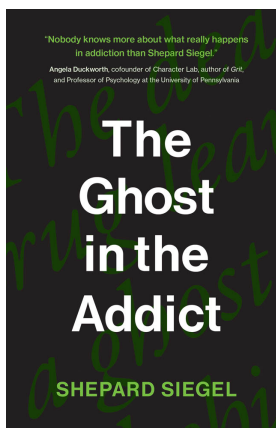
Shepard Siegel is Distinguished University Professor of Psychology, Neuroscience, and Behavior at McMaster University. He has been a Fellow in the American Psychological Association, the Society of Experimental Psychologists, and the Royal Society of Canada. From 2003 to 2008 he was Editor of *Learning & Behavior*.

psychology

February | 5 1/4 x 8, 192 pp.

US \$35.00X/\$48.00 CAN paperback

978-0-262-54797-0



Things That Move

A Hinterland in Architectural History

Tim Anstey

A history of architecture, not as the art of what stays but of what changes and moves.

We tend to think of architecture as a practice in permanence, but what if we inverted the hierarchical relationship between the permanent and the transient that so often underlies architectural discussions? In *Things That Move*, Tim Anstey does just that: instead of assuming that architecture is, at a certain level, stationary, he considers how architecture moves subjects (referring to its emotive potential in the experience it creates; how it moves objects (referring to how it choreographs bodies in motion, and how it is itself moved (referring to the mixture of materials, laws, affordances, and images that introduce movement into any architectural condition).

Organized in three sections, *Things That Move* first addresses “Cargoes,” which considers the mobile peripheries of architectural history through the eighteenth and nineteenth centuries. These chapters ask what kinds of knowledge can be included under a discussion of something called architecture, noting the interrelation between discourses of the lithe and the technical and those associated with the production of monumental, static compositions. The second section, “Dispatches,” reinterprets early architectural theory by examining the Renaissance ideal of decorum, the nature of the architectural work, and the ways in which architects are constituted as authors. And finally, Anstey considers architecture in terms of “Vehicles,” using two cases from the twentieth century that investigate the relationship between architecture and cultural memory.

Using a broadly forensic approach to connect details in otherwise disparate cases, *Things That Move* is a breathtakingly capacious architectural account that will change the way readers understand buildings, their becoming, and their significance.

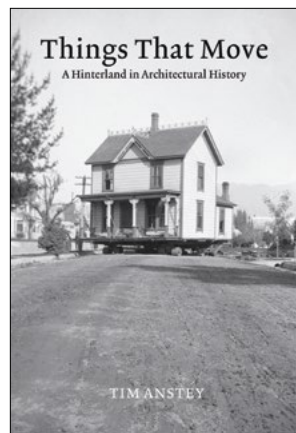
Tim Anstey is Chair of the PhD Programme at the Oslo School of Architecture and Design. He is the author of *Architecture and Authorship* and the designer and cocurator for the international exhibitions *Images of Egypt* at the Museum of Cultural History, Oslo, and *Warburg Models* at the Warburg Haus, Berlin and the Architectural Association, London.

architecture

April | 6 1/4 x 9 1/2, 488 pp. | 23 color illus., 138 b&w illus.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54750-5



Prior Art

Patents and the Nature of Invention in Architecture

Peter H. Christensen

A groundbreaking text on the history of the use of patents in architecture.

Although patents existed in Renaissance Italy and even in Confucian thought, it was not until the middle third of the nineteenth century that architects embraced the practice of patenting in significant numbers. Patents could ensure, as they did for architects' engineering brethren, the economic and cultural benefits afforded by exclusive intellectual property rights. But patent culture was never directly translatable to the field of architecture, which tended to negotiate issues of technological innovation in the context of the more abstract issues of artistic influence and normal expression. In *Prior Art*, scholar Peter Christensen offers the first full-scale monographic treatment of this complex relationship between art and invention.

Christensen's method, a site-oriented approach steeped in multinational and multilingual archival work, is geared toward unifying fractured global histories of architectural patents through the distinct union of architectural, cultural, and legal history. *Prior Art* offers a record of the marriage of intellectual property and architectural invention—a momentous, understudied, and still underutilized aspect of architectural culture in the nineteenth and twentieth centuries—and the ways in which it influenced how buildings are conceived, designed, engineered, constructed, and promoted.

Peter Christensen is the Arthur Satz Professor of the Humanities and the Ani and Mark Gabrellian Director of the Humanities Center at the University of Rochester. He is the author of *Germany and the Ottoman Railway Network* and *Precious Metal*.

architecture

May | 6 1/4 x 9 1/2, 416 pp. | 13 color illus., 93 b&w illus.

US \$40.00X/\$54.00 CAN cloth

978-0-262-04895-8

Art as Demonstration

A Revolutionary Recasting of Knowledge

Sven Spieker

How artists wield demonstration to question the status quo both aesthetically and politically, marshaling art and education as powerful agents of change.

Demonstration, in short, says: See here. It is the practice of pointing to something in order to explain or contest it. As



such, Sven Spieker argues that demonstration has helped reshape art from the height of the Cold War to the late twentieth century, reformatting our understanding of how art and political engagement relate to each other. Focusing on Western Europe (especially Germany), Eastern Europe, and the United States, *Art as Demonstration* expands on contemporary discussions of art-as-protest, activism, and resistance. Spieker shows how a closer, more historical look at art's connection with

demonstration reconnects us with earlier efforts, notably by the early twentieth-century avant-garde, to marshal art for the purpose of instruction and engagement.

"A must-read for anyone who takes efforts to mobilize art for instructional purposes seriously." —Alexander Alberro

Sven Spieker is the founding editor of *ARTMargins* print journal and ARTMargins Online and Professor of Comparative Literature at the University of California, Santa Barbara. He is the author of *The Big Archive* and the editor of *Destruction* (both MIT Press), and editor of *Akusmatik im Labor: Kultur-Kunst-Medien*.

art

February | 6 x 9, 392 pp. | 91 b&w illus.

US \$35.00X/\$48.00 CAN cloth
978-0-262-04871-2

Radio-Activities

Architecture and Broadcasting in Cold War Berlin

Alfredo Thiermann Riesco

A historical and theoretical account of the city of Berlin from the intertwined perspectives of architecture, environmental, and media studies.

In 1945, having occupied German territory, Soviet troops made two strategic moves: they dismantled the Deutschlandsender III radio transmission tower, the single tallest structure at the time in Europe, and they seized the Haus des Rundfunks in West Berlin, a monumental building designed by Hans Poelzig. These moves were crucial both symbolically and technically, as together they sparked what would become a veritable radio war between the Eastern and Western blocs during the Cold War. In *Radio-Activities*, Alfredo Thiermann Riesco investigates this spatial conflict as he interrogates the political, technological, and environmental dimensions of architecture at a time when buildings began to interact with the remote transmission of information.

By its very nature, the medium of radio promised to evaporate the intrinsic material aspect of architecture; in fact, it did no such thing. By way of transscalar analyses, Thiermann Riesco pays particular attention to Berlin's buildings, walls, transmission towers, factories, research institutions, and territorial organizations during the Cold War period, which enabled the production, reproduction, and transmission of sonic-based content across the divide of the Iron Curtain. In doing so he reveals under-researched continuities between politics, technology, media, and architecture, in the process reframing notions of national and transnational boundaries.

A timely and fascinating study, *Radio-Activities* brilliantly interrogates the status and agency of buildings during a period—not unlike today's—of increasingly hyperconnected, ubiquitous, and invisible modes of coexistence.

Alfredo Thiermann Riesco is an architect and Assistant Professor of History and Theory of Architecture at the École Polytechnique Fédérale in Lausanne. His work has been exhibited at the Museum of Modern Art in New York, Museo Nacional de Bellas Artes in Santiago, Istanbul Design Biennial, gta exhibitions in Zurich, and Venice Art Biennale, among other institutions. He is a recipient of the Rome Prize awarded by the German Academy in Rome.

art | architecture

May | 6 3/4 x 9 1/2, 352 pp. | 92 color illus., 125 b&w illus.

US \$45.00X/\$60.00 CAN cloth
978-0-262-04870-5

It Goes without Saying

Taking the Guesswork Out of Your PhD
in Engineering

Caroline Boudoux

The definitive toolkit for doctoral students in engineering on thesis—and journal—article preparation, project (and stress) management, IP protection, collaborations, and other aspects of the PhD journey.

It shouldn't take a PhD to get a PhD, but sometimes the process can seem that confusing—even though, to the mentors and advisors, so obvious that it goes without saying. For doctoral students in engineering confronting this dilemma, Caroline Boudoux, an accomplished researcher and entrepreneur, provides a demystifying guide to the challenges—daunting, seemingly routine, and at times unexpected—of pursuing a PhD in this demanding field. In *It Goes without Saying*, Boudoux marshals her own considerable experience mentoring graduate students, teaching doctoral workshops, and—not so long ago—earning her own PhD at MIT to give PhD candidates the know-how, and the confidence, to succeed.

From the mundane to the metaphysical, this user-friendly guide gives the doctoral student in engineering the tools to make it from Day 1 to the successful completion of the PhD in a timely, fully informed, and forward-looking manner.

Caroline Boudoux is Professor of Engineering Physics at Polytechnique Montréal and Co-founder and Copresident at Castor Optics. She is on the Board of Meetings for OPTICA, is a Fellow of SPIE, and a Fulbright scholar. Boudoux has authored three textbooks in optics and engineering and contributed to several edited books, publications, and patents.

engineering

June | 6 x 9, 336 pp. | 78 b&w illus.

US \$45.00X/\$60.00 CAN paperback
978-0-262-54820-5

Among the topics this book takes up are:

- **What a PhD is: the journey, the milestones, and the endgame.**
- **Technical questions about what a doctoral project in engineering is and how to lead one.**
- **Practical matters including tips on writing, from proposal to dissertation; ethics; and intellectual property.**
- **Personal concerns, such as dealing with expectations, imposter syndrome, and stress.**

Disparate Measures

The Intersectional Economics of Women in STEM Work

Mary A. Armstrong and Susan L. Averett

An exploration of workplace participation and earnings patterns for diverse women in US STEM professions that upends the myth that STEM work benefits women economically.

Seen as part economic driver, part social remedy, STEM work is commonly understood to benefit both the US economy and people—particularly women—from underrepresented groups. But what do diverse women find when they work in US STEM occupations? What do STEM jobs really deliver—and for whom? In *Disparate Measures*, Mary Armstrong and Susan Averett challenge the conventional wisdom that a diverse US STEM workforce will bring about economic abundance for the women who participate in it. Combining intersectionality theory and critical data theory with a feminist economic analysis, the authors explore how different groups of diverse women truly fare in US STEM professions.

Disparate Measures is centered on eight unique, in-depth case studies, each of which provides an intersectional economic analysis (a term coined by the authors) of diverse women working in STEM occupations. Four case studies prioritize women of color and examine the STEM participation and earnings of Black women, American Indian and Alaska Native women, Asian and Pacific Islander women, and Hispanic women/Latinas; four additional case studies illuminate intersections that are frequently neglected by the STEM inclusivity literature: foreign-born women, women with disabilities, Queer women, and mothers. What the authors find in their groundbreaking, detailed analysis is that the promises of STEM are only partly true: when compared to women not working in STEM, most women are indeed economically elevated by STEM occupations—yet when compared to white men in the same STEM occupations, women’s second-class status is usually reaffirmed. The authors conclude by offering seven “big-picture” recommendations for rethinking STEM equity, showing just how we can successfully confront the entrenched patterns of economic disadvantage faced by diverse women in STEM jobs.

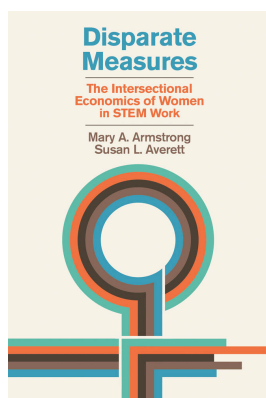
Mary A. Armstrong is the Charles A. Dana Professor of Women’s, Gender, and Sexuality Studies and English and Chair of the Women’s, Gender, and Sexuality Studies Program at Lafayette College. **Susan L. Averett** is the Charles A. Dana Professor of Economics at Lafayette College.

technology | business | gender studies

March | 6 x 9, 376 pp. | 66 graphs

US \$60.00X/\$79.00 CAN cloth

978-0-262-04886-6



Going Big

A Scientist’s Guide to Large Projects and Collaborations

Christopher W. Stubbs

All the crucial skills scientists need to make a professional transition into large projects and collaborations that require governance and project management.

For centuries humans have undertaken ambitious projects that require extraordinary time, labor, and funds, from the pyramids to road networks. Modern science increasingly tackles ambitious projects whose size and complexity require an equally ambitious coordination of efforts, schedules, and resources. In *Going Big*, Harvard Professor and Dean of Science Christopher Stubbs provides the essential resource for scientists who are ramping up the scale of their scientific enterprises and working within the various hierarchies and sociologies of large scientific teams. An experienced project scientist, Stubbs focuses on technical project management for the construction of large facilities, instruments, and software development, and guides both junior and established scientists on how to work in big, structured collaborations.

Stubbs supplements scientists’ formal training in their fields with the logistical, sociological, and strategic knowledge they need to tackle modern science’s increasingly ambitious projects, from matters of risk, cost, and performance to the issues of budgeting, scheduling, and human relations. Chapters address technical documentation, risk mitigation, tracking progress and milestones, health, safety, and environmental considerations, as well as ways to be an effective team member and defuse interpersonal conflicts. Scaffolded with real-world advice and suggestions for success, *Going Big* covers the lifecycle of large projects to equip scientists worldwide, at every stage of their career.

Christopher W. Stubbs is Professor of Physics and of Astronomy at Harvard University, where he also serves as Dean of Science. His research lies at the interface between gravity, cosmology, and particle physics.

physical sciences

February | 6 x 9, 144 pp. | 14 b&w illus.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54796-3



Building SimCity

How to Put the World in a Machine

Chaim Gingold

A deep dive into the trailblazing simulation game SimCity, situating it in the history of games, simulation, and computing.

Building SimCity explores the history of computer simulation by chronicling one of the most influential simulation games ever made: SimCity. As author Chaim Gingold explains, Will Wright, the visionary designer behind the urban planning game, created SimCity in part to learn about cities, appropriating ideas from traditions in which computers are used as tools for modeling and thinking about the world as a complex system. As such, SimCity is a microcosm of the histories and cultures of computer simulation that engages with questions, themes, and representational techniques that reach back to the earliest computer simulations.

Gingold uses SimCity to explore a web of interrelated topics in the history of technology, software, and simulation, taking us far and wide—from the dawn of programmable computers to miniature cities made of construction paper to role-play. An unprecedented history of Maxis, the company founded to bring SimCity to market, the book reveals Maxis's complex relations with venture capitalists, Nintendo, and the Santa Fe Institute, which shaped the evolution of Will Wright's career; Maxis's failure to back The Sims to completion; and the company's sale to Electronic Arts.

A lavishly visual book, *Building SimCity* boasts a treasure trove of visual matter to help bring its wide-ranging subjects to life, including painstakingly crafted diagrams that explain SimCity's operation, the Kodachrome photographs taken by Charles Eames of schoolchildren making model cities, and Nintendo's manga-style "Dr. Wright" character design, just to name a few.

Chaim Gingold is a designer and theorist whose work has been featured in *Wired*, *CNN*, and the *New York Times*. He worked closely with Will Wright on *Spore* and designed the *Spore Creature Creator*.

game studies

April | 6 x 9, 480 pp. | 108 color illus.

US \$50.00X/\$66.00 CAN paperback

978-0-262-54748-2

Smart Management

How Simple Heuristics Help Leaders Make Good Decisions in an Uncertain World

Jochen Reb, Shenghua Luan, and Gerd Gigerenzer

Why successful leaders must embrace simple strategies in an increasingly uncertain and complex world.

Making decisions is one of the key tasks of managers, leaders, and professionals. In *Smart Management*, Jochen Reb, Shenghua Luan, and Gerd Gigerenzer demonstrate how business leaders can utilize heuristics—simple decision-making strategies adapted to the task at hand. In a world that has become increasingly volatile, uncertain, complex, and ambiguous (VUCA), the authors make the case against complex analytical methods that quickly reach their limits. This against-the-grain approach leads to decisions that are not only faster but also more accurate, transparent, and easier to learn about, communicate, and teach. *Smart Management* offers an evidence-based yet practical discussion of how business leaders can use smart heuristics to make good decisions in a VUCA world.

Building on the fast-and-frugal heuristics program, *Smart Management* demonstrates the efficacy of heuristic decision making in a twofold approach. First, it introduces the concept of ecological rationality, which prescribes the environmental conditions under which specific heuristics work well. Second, the book describes a repertoire of heuristics, referred to as the adaptive toolbox, that leaders, managers, and professionals can develop and rely on to make a variety of decisions, such as on business strategy, negotiation, and personnel selection. The toolbox not only showcases the practical usefulness of these heuristics but also inspires readers to discover and develop their own smart heuristics.

Jochen Reb is Professor of Organizational Behavior and Human Resources and founding Director of the Mindfulness Initiative at the Lee Kong Chian School of Business, Singapore Management University.

Shenghua Luan is Professor of Psychology and Principal Investigator of the Risk and Uncertainty Management Lab at the Institute of Psychology, Chinese Academy of Sciences. **Gerd Gigerenzer** is Director of the Harding Center for Risk Literacy at the University of Potsdam, Director Emeritus at the Max Planck Institute for Human Development, and Partner of Simply Rational—the Institute for Decisions. He is the author of *Calculated Risks*, *Gut Feelings*, *Risk Savvy*, and *How to Stay Smart in a Smart World* (MIT Press).

cognitive science | management

May | 6 x 9, 272 pp. | 34 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54801-4

Foundations of Computer Vision

Antonio Torralba, Phillip Isola,
and William T. Freeman

An accessible, authoritative, and up-to-date computer vision textbook offering a comprehensive introduction to the foundations of the field that incorporates the latest deep learning advances.

Machine learning has revolutionized computer vision, but the methods of today have deep roots in the history of the field. Providing a much-needed modern treatment, this accessible and up-to-date textbook comprehensively introduces the foundations of computer vision while incorporating the latest deep learning advances. Taking a holistic approach that goes beyond machine learning, it addresses fundamental issues in the task of vision and the relationship of machine vision to human perception. *Foundations of Computer Vision* covers topics not standard in other texts, including transformers, diffusion models, statistical image models, issues of fairness and ethics, and the research process. To emphasize intuitive learning, concepts are presented in short, lucid chapters alongside extensive illustrations, questions, and examples. Written by leaders in the field and honed by a decade of classroom experience, this engaging and highly teachable book offers an essential next-generation view of computer vision.

Antonio Torralba is Professor and Head of the AI+D faculty at the Department of Electrical Engineering and Computer Science at MIT, where he is a member of the Computer Science and Artificial Intelligence Laboratory (CSAIL). **Phillip Isola** is Associate Professor of Electrical Engineering and Computer Science at MIT, where he is a member of the Computer Science and Artificial Intelligence Laboratory (CSAIL). **William T. Freeman** is Thomas and Gerd Perkins Professor of Electrical Engineering and Computer Science at MIT, where he is a member of the Computer Science and Artificial Intelligence Laboratory (CSAIL). He is also a research manager at Google Research in Cambridge, Massachusetts.

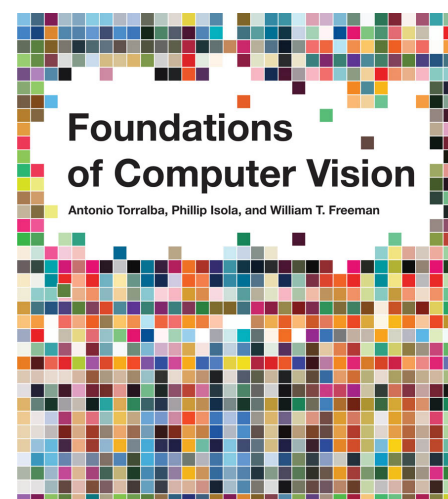
computer science

February | 8 x 9, 768 pp. | 317 color illus., 158 b&w illus.

US \$90.00X/\$119.00 CAN cloth

978-0-262-04897-2

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- **Up-to-date treatment integrates classic computer vision and deep learning**
- **Accessible approach emphasizes fundamentals and assumes little background knowledge**
- **Student-friendly presentation features extensive examples and images**
- **Proven in the classroom**
- **Instructor resources include slides, solutions, and source code**



Modeling Neural Circuits Made Simple with Python

Robert Rosenbaum

An accessible undergraduate textbook in computational neuroscience that provides an introduction to the mathematical and computational modeling of neurons and networks of neurons.

Understanding the brain is a major frontier of modern science. Given the complexity of neural circuits, advancing that understanding requires mathematical and computational approaches. This accessible undergraduate textbook in computational neuroscience provides an introduction to the mathematical and computational modeling of neurons and networks of neurons. Starting with the biophysics of single neurons, Robert Rosenbaum incrementally builds to explanations of neural coding, learning, and the relationship between biological and artificial neural networks. Examples with real neural data demonstrate how computational models can be used to understand phenomena observed in neural recordings. Based on years of classroom experience, the material has been carefully streamlined to provide all the content needed to build a foundation for modeling neural circuits in a one-semester course.

Robert Rosenbaum is Associate Professor of Applied and Computational Mathematics and Statistics at the University of Notre Dame. His research in computational neuroscience is focused on using computational models of neural circuits to help understand the dynamics and statistics of neural activity underlying sensory processing and learning.

neuroscience | computer science

March | 7 x 10, 176 pp. | 44 color illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54808-3

Computational Neuroscience series

Features:

- **Proven in the classroom**
- **Example-rich, student-friendly approach**
- **Includes Python code and a mathematical appendix reviewing the requisite background in calculus, linear algebra, and probability**
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Measurements-Based Radar Signature Modeling

An Analysis Framework

Joseph T. Mayhan and John A. Tabaczynski

A high-level text that synthesizes diverse research areas for characterizing objects (targets) from radar data and establishes a novel analysis framework for a class of signal processing techniques useful for high-resolution radar signature modeling.

The only text to integrate a diverse body of work on characterizing objects (targets) from radar data into a common analysis framework, this book brings together the results of research papers and technical reports providing improved resolution and precision in radar target signature modeling and target motion solutions. It offers comprehensive coverage related to basic radar concepts, signal representation, and radar measurements; the development of advanced analysis tools essential for high-resolution signature modeling; the development of novel wideband and narrowband radar imaging techniques; the application of 2D spectral estimation theory to wideband signal processing; ultra-wideband scattering phenomenology and sparse-band sensor data fusion; and the integration of field measurements into the radar signature modeling process. The analysis techniques developed in the text provide the framework for a novel approach, called measurements-based modeling (MBM), to model target signatures by incorporating measurement data into the signature model of the target. Extensive examples throughout compare the performance of the new techniques with that of conventional analysis techniques.

- **The first systematic, comprehensive synthesis of wide-ranging research areas for characterizing targets from radar data**
- **A deeply researched, lucid presentation enriched by extensive illustrations and examples**
- **An essential reference for experts in radar and signal processing, professional engineers in related fields, and graduate students**

Joseph T. Mayhan is a Senior Staff Member at MIT Lincoln Laboratory, where he has worked for fifty years, formerly as Group Leader of the Sensor Systems and Measurements Group. The late

John A. Tabaczynski served as Assistant, Associate, and then Leader of the Ballistic Missile Defense Analysis division at MIT Lincoln Laboratory, where he worked for over fifty years.

computer science

May | 7 x 9, 512 pp. | 168 color illus., 51 b&w illus.

US \$125.00X/\$163.00 CAN cloth

978-0-262-04811-8

MIT Lincoln Laboratory Series

Artificial Intelligence

A Systems Approach from Architecture Principles to Deployment

David R. Martinez and Bruke Kifle

The first text to take a systems engineering approach to artificial intelligence (AI), from architecture principles to the development and deployment of AI capabilities.

Most books on artificial intelligence (AI) focus on a single functional building block, such as machine learning or human-machine teaming. *Artificial Intelligence* takes a more holistic approach, addressing AI from the view of systems engineering. The book centers on the people-process-technology triad that is critical to successful development of AI products and services. Development starts with an AI design, based on the AI system architecture, and culminates with successful deployment of the AI capabilities. Directed toward AI developers and operational users, this accessibly written volume of the MIT Lincoln Laboratory Series can also serve as a text for undergraduate seniors and graduate-level students and as a reference book.

- **In-depth look at modern computing technologies**
- **Systems engineering description and means to successfully undertake an AI product or service development through deployment**
- **Existing methods for applying machine learning operations (MLOps)**
- **AI system architecture including a description of each of the AI pipeline building blocks**
- **Challenges and approaches to attend to responsible AI in practice**
- **Tools to develop a strategic roadmap and techniques to foster an innovative team environment**
- **Multiple use cases that stem from the authors' MIT classes, as well as from AI practitioners, AI project managers, early-career AI team leaders, technical executives, and entrepreneurs**
- **Exercises and Jupyter notebook examples**

David R. Martinez is a laboratory fellow at the MIT Lincoln Laboratory and the lead instructor for MIT's "AI Strategies and Roadmap: Systems Engineering Approach to AI Development and Deployment" and "AI and ML: Leading Business Growth" courses. **Bruke Mesfin Kifle** is a management consultant and former AI product manager at Microsoft Turing. He co-instructs MIT's "AI Strategies and Roadmap" course.

computer science

June | 7 x 9, 576 pp. | 14 color illus., 90 b&w illus.

US \$80.00X/\$105.00 CAN cloth

978-0-262-04898-9

MIT Lincoln Laboratory Series

Critical Perspectives on Ancient DNA

edited by Daniel Strand, Anna Källén,
and Charlotte Mulcare

The first comprehensive critical analysis of the practices and consequences of ancient DNA research.

This edited collection, *Critical Perspectives on Ancient DNA*, presents a critical enquiry into the much-hyped “ancient DNA revolution” in archaeology. Offering the first comprehensive and in-depth scholarly analysis of the practices and effects of archaeogenetics, editors Daniel Strand, Anna Källén, and Charlotte Mulcare, along with other renowned scholars from Europe and the United States, address a host of questions, such as: What happens with our understanding of the past when archaeology is married to genetic science? What cultural forms and historical narratives are generated by ancient DNA (aDNA) research, and what energies could they unleash?

Taking a multidisciplinary and multisite approach to the topic, the essays offer important insights into the epistemological, ethical, and political consequences around and beyond the scientific analysis of aDNA.

Contributors

Ruth Amstutz, Chip Colwell, Magnus Fiskesjö, K. Ann Horsburgh, Anna Källén, Stewart B. Koyiyumptewa, Amade M'charek, Charlotte Mulcare, Andreas Nyblom, Venla Oikkonen, Mélanie Puvion, Marianne Sommer, Daniel Strand

Daniel Strand has a PhD in History of Ideas from Stockholm University and works at the Living History Forum in Stockholm. He was previously affiliated with the Centre for Multidisciplinary Studies on Racism at Uppsala University and the Committee on Historical Studies at New School for Social Research. **Anna Källén** is an archaeologist and Chair Professor of Museology at Umeå University. She was PI of the multidisciplinary project “Code, Narrative, History: Making Sense of Ancient DNA in Contemporary Culture.” Her most recent book is *The Trouble with Ancient DNA*. **Charlotte Mulcare** has a PhD in genetics from UCL and works in genetics and scientific communications for commercial, academic, government, and third-sector organizations. She was previously affiliated with Liverpool University as an Honorary Fellow.

anthropology | genetics

July | 6 x 9, 256 pp. | 7 color illus., 10 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54809-0

The Future Is Present

Art, Technology, and the Work of Mobile Image

Philip Glahn and Cary Levine

A critical history of the pioneering art and technology group Mobile Image.

In *The Future Is Present*, Philip Glahn and Cary Levine tell the fascinating history of the visionary art group Mobile Image—founded by Kit Galloway and Sherrie Rabinowitz in 1977—which appropriated emerging technologies, from satellites to electronic message platforms. Based in Los Angeles, this understudied collective worked amid urban crisis, a techno-boom, consolidating media power, and ascendant neoliberal politics. Mobile Image challenged fundamental conventions of the public sphere, democracy, communication, and political participation, as well as notions of power, representation, and identity.

Philip Glahn is Associate Professor of Critical Studies and Aesthetics at the Tyler School of Art and Architecture at Temple University in Philadelphia. He is the author of *Bertolt Brecht*. **Cary Levine** is Associate Professor of Contemporary Art History at the University of North Carolina, Chapel Hill. He is the author of *Pay for Your Pleasures: Mike Kelley, Paul McCarthy, Raymond Pettibon*.

art

June | 6 x 9, 336 pp. | 34 color illus., 26 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54807-6

A Leonardo Book

Making Modern Medical Ethics

How African Americans, Anti-Nazis, Bureaucrats, Feminists, Veterans, and Whistleblowing Moralists Created Bioethics

Robert Baker

The little-known stories of the people responsible for what we know today as modern medical ethics.

In *Making Modern Medical Ethics*, Robert Baker tells the counter history of the birth of bioethics, bringing to the fore the stories of the dissenters and whistleblowers who challenged the establishment. Drawing on his earlier work on moral revolutions and the history of medical ethics, Robert Baker traces the history of modern medical ethics and its bioethical turn to the moral insurrections incited by the many unsung dissenters and whistleblowers: African American civil rights leaders, Jewish Americans harboring Holocaust memories, feminists, women, and Anglo-American physicians and healthcare professionals who were veterans of the World Wars, the Cold War, and the Vietnam War.

Robert Baker is the William D. Williams Professor of Philosophy Emeritus at Union College in Schenectady, New York, and Professor of Bioethics and Founding Director (Emeritus) of the Bioethics Program at Clarkson University–Icahn School of Medicine at Mount Sinai in New York City. He is the author of *The Structure of Moral Revolutions* (MIT Press) and *Before Bioethics*.

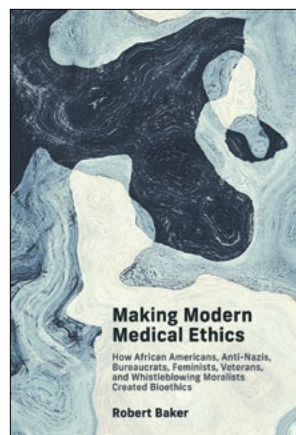
biomedical science

February | 6 x 9, 360 pp.

US \$55.00X/\$73.00 CAN paperback

978-0-262-54737-6

Basic Bioethics series



The Evolution of Techniques

Rigidity and Flexibility in Use, Transmission, and Innovation

edited by Mathieu Charbonneau

A novel, interdisciplinary exploration of the relative contributions of rigidity and flexibility in the adoption, maintenance, and evolution of technical traditions.

Techniques can either be used in rigid, stereotypical ways or in flexibly adaptive ways, or in some combination of the two. *The Evolution of Techniques*, edited by Mathieu Charbonneau, addresses the impacts of both flexibility and rigidity on how techniques are used, transformed, and reconstructed, at varying social and temporal scales. The multidisciplinary contributors demonstrate the important role of the varied learning contexts and social configurations involved in the transmission, use, and evolution of techniques. They explore the diversity of cognitive, behavioral, sociocultural, and ecological mechanisms that promote and constrain technical flexibility and rigidity, proposing a deeper picture of the enablers of, and obstacles to, technical transmission and change. The volume closes with a discussion by philosopher Kim Sterelny.

Mathieu Charbonneau is Assistant Professor at the Faculté de Gouvernance, Sciences Économiques et Sociales at the Université Mohammed VI Polytechnique, Morocco.

biomedical science

March | 7 x 10, 320 pp. | 25 b&w illus.

US \$65.00X/\$86.00 CAN paperback

978-0-262-54780-2

Vienna Series in Theoretical Biology

Underbelly

Childhood Diarrhea and the Hidden Realities of Global Health

Rachel Hall-Clifford

foreword by Waleska López Canu

afterword by Arthur Kleinman

An unsettling exploration of the hidden power dynamics of global health, seen through the lens of childhood diarrhea and its treatment within the Guatemalan context.

Deaths from childhood diarrhea seem preposterous in high-income countries. Yet, for children under five years old in the rest of the world, diarrhea is the third highest cause of mortality. In *Underbelly*, Rachel Hall-Clifford takes a hard look at the pathways of global health funding and development policies and the outcomes they deliver for recipient individuals and communities.

Rachel Hall-Clifford is Assistant Professor of Human Health and Sociology at the Emory College of Arts and Sciences, Assistant Professor of Global Health at the Emory Rollins School of Public Health, and In-Country Director of the NAPA-OT Field School in Guatemala.

biomedical science

May | 6 x 9, 272 pp. | 20 b&w photos

US \$45.00X/\$60.00 CAN paperback

978-0-262-54776-5

Inducing Immunity?

Justifying Immunization Policies in Times of Vaccine Hesitancy

Roland Pierik and Marcel Verweij

Why immunization must be made mandatory in times of vaccine hesitancy, and how we can design and implement immunization policies in a practical, trustworthy, and democratic way.

We live in perilous times when a significant number of citizens are either defiantly anti-vaccination or hesitant to accept vaccinations for themselves or for their children. In *Inducing Immunity?*, legal philosopher Roland Pierik and bioethicist Marcel Verweij, explore ways to regulate collective immunization in as democratic a manner as possible.

Approaching the problem as a matter of a conflict between the responsibility of government to protect public health and the basic right to freedom of citizens, Pierik and Verweij argue that John Stuart Mill's harm principle—the idea that individuals should be free to act so long as their actions do not harm others—offers a strong basis for coercive immunization policies.

Covering childhood immunization policies, as well as vaccination programs aimed at adult citizens, the authors argue that a coercive immunization policy in any liberal democracy must first satisfy the principle of proportionality. This leads them to an in-depth exploration of the role of exemptions, the nature of coercion, and the contents of vaccination programs. In the final part of the book, the authors also discuss the importance and scope of freedom of speech, given how the current spread of misinformation has undermined confidence in vaccines.

Offering an in-depth analysis in bioethics and legal philosophy, *Inducing Immunity?* is a sensible and applicable guide for health professionals, policymakers, and academics alike on how we can—and must—do better with our immunization policies.

Roland Pierik is Professor of Philosophy of Law at the Faculty of Law, Maastricht University, the Netherlands. Pierik was a member of the Health Council of the Netherlands and served in the Health Council's permanent committee on vaccinations, as well as on the committee for COVID-19.

Marcel Verweij is Professor of Philosophical Ethics at Utrecht University. With Angus Dawson, he initiated the journal *Public Health Ethics*. He has fulfilled advisory roles for public health institutes such as the ECDC, the Health Council of the Netherlands, and the National Institute for Public Health and the Environment and has written discussion papers for the World Health Organization on the ethics of maternal immunization and on pandemic preparedness.

biomedical science

March | 6 x 9, 248 pp.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54779-6

Basic Bioethics series

The Brain Abstracted

Simplification in the History and Philosophy of Neuroscience

M. Chirimuuta

An exciting, new framework for interpreting the philosophical significance of neuroscience.

All science needs to simplify, but when the object of research is something as complicated as the brain, this challenge can stretch the limits of scientific possibilities. In fact, in *The Brain Abstracted*, an avowedly “opinionated” history of neuroscience, M. Chirimuuta argues that, due to the brain's complexity, neuroscientific theories have only captured partial truths—and “neurophilosophy” is unlikely to be achieved. Looking at the theory and practice of neuroscience, both past and present, Chirimuuta shows how the science has been shaped by the problem of brain complexity and the need, in science, to make things as simple as possible. From this history, Chirimuuta draws lessons for debates in philosophy of science over the limits and definition of science and in philosophy of mind over explanations of consciousness and the mind-body problem.

The Brain Abstracted is the product of a historical rupture that has become visible in the twenty-first century, between the “classical” scientific approach, which seeks simple, intelligible principles underlying the manifest complexity of nature, and a data-driven engineering approach, which dispenses with the search for elegant, explanatory laws and models. In the space created by this rupture, Chirimuuta finds grounds for theoretical and practical humility. Her aim in *The Brain Abstracted* is not to reform neuroscience, or offer advice to neuroscientists, but rather to interpret their work—and to suggest a new framework for interpreting the philosophical significance of neuroscience.

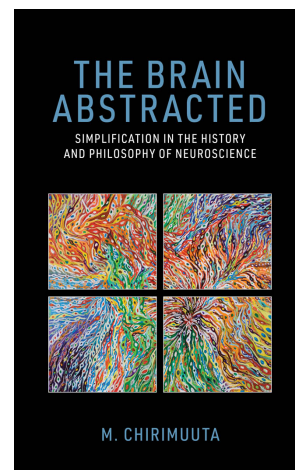
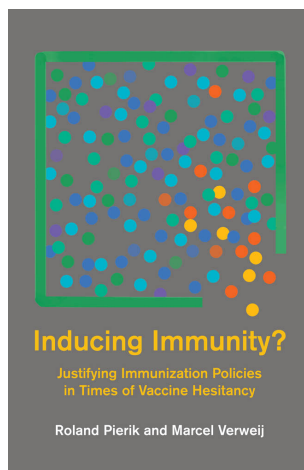
Originally trained in visual neuroscience, **M. Chirimuuta** writes on the central ideas of the mind/brain sciences. She is Senior Lecturer in Philosophy at the University of Edinburgh and the author of *Outside Color* (MIT Press).

cognitive science

March | 6 x 9, 360 pp. | 7 b&w illus.

US \$50.00X/\$66.00 CAN paperback

978-0-262-54804-5



The Elephant and the Blind

The Experience of Pure Consciousness: Philosophy, Science, and 500+ Experiential Reports

Thomas Metzinger

An engaging and insightful journey into human consciousness.

What if our goal had not been to land on Mars, but in pure consciousness? The experience of pure consciousness—what does it look like? What is the essence of human consciousness? In *The Elephant and the Blind*, influential philosopher Thomas Metzinger, one of the world's leading researchers on consciousness, brings together more than 500 experiential reports to offer the world's first comprehensive account of states of pure consciousness. Drawing on a large psychometric study of meditators in 57 countries, Metzinger focuses on “pure awareness” in meditation—the simplest form of experience there is—to illuminate the most fundamental aspects of how consciousness, the brain, and illusions of self all interact.

“What a magnificent piece of work. When so many consciousness experts said that ‘pure consciousness’ was impossible, Metzinger has not only proved them wrong but with hundreds of accounts and a sympathetic analysis, has laid the groundwork for a new understanding of unusual realms of consciousness.”

—Susan Blackmore, author of *Consciousness*

Thomas Metzinger was Full Professor of Theoretical Philosophy at the Johannes Gutenberg-Universität Mainz. He is the author of *The Ego Tunnel* and *Being No One* (MIT Press), the coeditor of *Open MIND*, and the editor of *Neural Correlates of Consciousness* (both MIT Press).

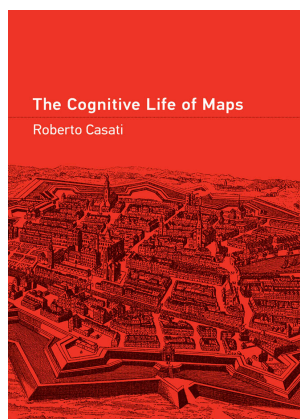
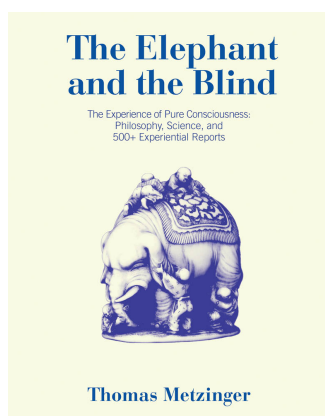
cognitive science | philosophy

February | 7 x 9, 608 pp. | 6 color illus., 1 b&w illus.

US \$80.00X/\$105.00 CAN paperback

978-0-262-54710-9

German language rights are not available.



The Cognitive Life of Maps

Roberto Casati

The “mapness of maps”—how maps live in interaction with their users, and what this tells us about what they are and how they work.

In a sense, maps are temporarily alive for those who design, draw, and use them. They have, for the moment, a cognitive life. To grapple with what this means—to ask how maps can be alive, and what kind of life they have—is to explore the core question of what maps are. And this is what Roberto Casati does in *The Cognitive Life of Maps*, in the process assembling the conceptual tools for understanding why maps have the power they have, why they are so widely used, and how we use (and misuse) them.

Roberto Casati is Director of the Jean Nicod Institute and Professor at EHESS (School of Advanced Studies in the Social Sciences) in Paris. He is the coauthor of *The Visual World of Shadows, Parts and Places*, and *Holes and Other Superficialities* (all MIT Press).

cognitive science | philosophy

May | 6 x 9, 272 pp. | 15 color illus., 76 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54708-6

The Open Dynamics of Braitenberg Vehicles

Scott Hotton and Jeff Yoshimi

An introduction to dynamical systems theory, a detailed mathematical analysis of pairs of Braitenberg vehicles, and a look at how these results apply to the study of physical and biological organisms.

Powering the concept of a Braitenberg vehicle, developed in 1984 by the Italian-Austrian cyberneticist Valentino Braitenberg, is the idea that simple systems can produce complex behaviors. A pair of interacting Braitenberg vehicles is simple, but they can meander, wind around, and follow each another in a number of ways. In this book, Scott Hotton and Jeff Yoshimi show how dynamical systems theory—in particular the theory of open dynamic systems—can be used to analyze pairs of these vehicles in great detail. The result of the authors’ long-standing collaboration at the intersection of mathematics, philosophy, cognitive science, and biology, *The Open Dynamics of Braitenberg Vehicles* offers a rigorous mathematical foundation for embodied cognition, especially when it comes to two-way interactions between an agent and its environment.

Scott Hotton is a mathematical biologist at the University of California, Merced. **Jeff Yoshimi** is Professor and founding faculty member in the Department of Cognitive and Information Sciences at the University of California, Merced.

cognitive science | philosophy

June | 6 x 9, 248 pp. | 15 color illus., 49 b&w illus.

US \$50.00X/\$66.00 CAN paperback

978-0-262-54819-9

The Science of Sadness

A New Understanding of Emotion

David Huron

An accessible, scientific account of grief, melancholy, and nostalgia in human life and their broader lessons for understanding emotions in general.

The Science of Sadness proposes an original scientific account of grief, melancholy, and nostalgia, advocating a unique ethological approach to these familiar, woeful emotions. One of the leading scholars in the psychology of music and music cognition, David Huron draws on hundreds of studies from physiology, medicine, neuroscience, psychology, anthropology, and the arts to resolve long-standing problems that have stymied modern emotion research. A careful examination of sadness-related behaviors reveals their biological and social functions, which Huron uses to formulate a new theory about how emotions in general are displayed and interpreted.

David Huron is Arts and Humanities Distinguished Professor Emeritus in the School of Music and at the Center for Cognitive and Brain Sciences at the Ohio State University. His previous books include *Sweet Anticipation* and *Voice Leading* (both MIT Press).

cognitive science | psychology

May | 6 x 9, 400 pp. | 10 b&w illus.

US \$50.00X/\$66.00 CAN paperback

978-0-262-54777-2

The Curious Culture of Economic Theory

Ran Spiegler

An essay collection that explores the professional culture of contemporary economic theory, highlighting key features of successful economic theory from the last quarter century.

When is a theoretical result taken seriously enough for economic application? How do theorists actively try to influence this judgment? What determines whether a new theoretical subfield adopts a “pure” or an “applied” style? How do theorists respond to economists’ penchant for “rational” explanations of human behavior? These are just some of the questions regarding the professional culture of contemporary economic theory that Ran Spiegler attempts to answer in this incisive essay collection, *The Curious Culture of Economic Theory*. In exploring these questions, Spiegler addresses the norms that economic theorists apply as they produce, evaluate, and disseminate research.

Ran Spiegler is Professor of Economics at Tel Aviv University and University College London, specializing in economic theory. He is the author of *Bounded Rationality* and *Industrial Organization*. In 2017, he received the Yrjö Jahnsson Award in Economics, in recognition of his contributions to this area.

economics | business

April | 6 x 9, 224 pp. | 3 figures

US \$45.00X/\$60.00 CAN paperback

978-0-262-54822-9

Fulfilling the Pledge

Securing Industrial Democracy for American Workers in a Digital Economy

Roger C. Hartley

An insightful and evidence-based assessment of our urgent need to enact labor law reform—and how to achieve it.

Millions of non-union workers want unionization, but our current labor-management relations law conspires to deny them meaningful opportunities to secure collective workplace representation. The resulting low rates of collective bargaining impose economic, political, and social costs on us all. In *Fulfilling the Pledge*, Roger Hartley addresses the plight of American workers, who face a grim, uncertain future, as the digital workplace reshapes the hierarchical post–World War II industrial relations system that once gave workers a voice. Through empirical evidence and the lens of law and policy, Hartley examines what industrial sociologists call the chronic “representation gap” and clarifies how a wide-ranging movement could build a vocal constituency for the congressional enactment of labor law reform.

The pledge made in the 1935 National Labor Relations Act to encourage establishment of industrial democracy—where workers possess a voice in their places of work—remains unfulfilled. Speaking to policymakers, scholars, historians, and the average citizen, *Fulfilling the Pledge* makes a compelling case for collective workplace representation that serves the greater good, even as American labor relations law continues to undermine collective bargaining by workers and becomes an increasingly significant political and social issue.

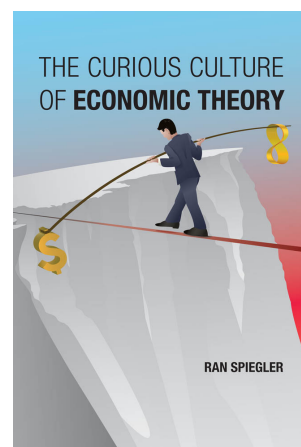
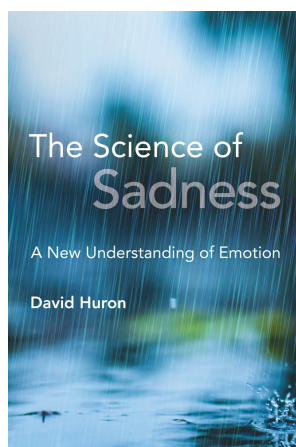
Roger C. Hartley is Professor of Law at The Catholic University of America and an award-winning teacher of constitutional law and labor law. He is the author of four other books, including *Monumental Harm: Reckoning with Jim Crow Era Confederate Monuments*.

law | economics

February | 6 x 9, 306 pp.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54713-0



The Left Hand of Data

Designing Education Data for Justice

Matthew Berland and Antero Garcia

A speculative framework that imagines how we can use education data to promote play, creativity, and social justice over normativity and conformity.

Educational analytics tend toward aggregation, asking what a “normative” learner does. In *The Left Hand of Data*, educational researchers Matthew Berland and Antero Garcia start from a different assumption—that outliers are, and must be treated as, valued individuals. Berland and Garcia argue that the aim of analytics should not be about enforcing and entrenching norms but about using data science to break new ground and enable play and creativity. From this speculative vantage point, they ask how we can go about living alongside data in a better way, in a more just way, while also building on the existing technologies and our knowledge of the present.

Antero Garcia is Associate Professor in the Graduate School of Education at Stanford University. He has authored or edited more than a dozen books about the possibilities of literacies, play, and civics in transforming schooling in America. **Matthew Berland** is Professor of Design, Informal, and Creative Education in the Department of Curriculum and Instruction and Affiliate Faculty in Information Studies, Computer Sciences, Educational Psychology, and Science/Technology Studies at University of Wisconsin–Madison.

education

April | 6 x 9, 208 pp. | 5 b&w illus.

US \$40.00X/\$54.00 CAN paperback
978-0-262-54752-9

Undeclared

A Philosophy of Formative Higher Education

Chris Higgins

An imaginative tour of the contemporary university as it could be: a place to discover self-knowledge, meaning, and purpose.

What if college were not just a means of acquiring credentials, but a place to pursue our formation as whole persons striving to lead lives of meaning and purpose? In *Undeclared*, Chris Higgins confronts the contemporary university in a bid to reclaim a formative mission for higher education. In a series of searching essays and pointed interludes, Higgins challenges us to acknowledge how far our practices have drifted from our ideals, asking: What would it look like to build a college from the ground up to support self-discovery and personal integration? What does it mean to be a public university, and are there any left? How can the humanities help the job-ified university begin to take vocation seriously?

Chris Higgins is Associate Professor and Chair in the Department of Formative Education in Boston College's Lynch School of Education and Human Development, where he directs the Transformative Educational Studies program. He is the author of *The Good Life of Teaching*.

education

April | 6 x 9, 400 pp. | 1 b&w illus.

US \$50.00X/\$66.00 CAN paperback
978-0-262-54749-9

Computational Thinking Curricula in K–12

International Implementations

edited by Harold Abelson and Siu-Cheung Kong

An international overview of how policy makers, curriculum developers, and school practitioners can integrate computational thinking into K–12 curricula.

In today's digital society, computational thinking (CT) is a critical component of all children's education. In *Computational Thinking Curricula in K–12*, editors Harold Abelson and Siu-Cheung Kong present a range of professional perspectives on the most effective ways to integrate CT into school curricula. Their edited volume, which offers an overview of educational policy, curriculum development, school implementation, and classroom practice, will appeal especially to policy makers, curriculum developers, school practitioners, and educational researchers. The essays cover twelve countries and regions across three continents: Australia, China, Finland, Hong Kong, India, Israel, New Zealand, Singapore, South Korea, Spain, Taiwan, and the United Kingdom, with a particular emphasis on Asia.

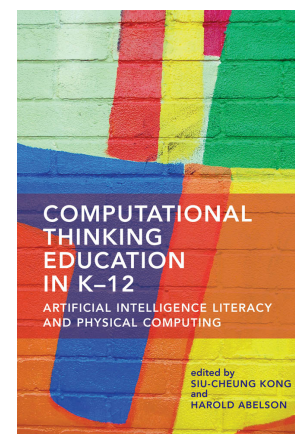
A companion to the editors' earlier *Computational Thinking Education in K–12*, this book consists of two sections: 1) educational policy and curriculum development and 2) school implementation and classroom practice. The authors delve into issues of regional history; governmental planning; official initiatives; leadership commitment; curriculum design; pedagogical implementation; equity, diversity, and inclusion; assessment, including longitudinal assessment across age groups; formal and informal learning approaches to CT; and teacher development. Specific topics include core competencies and CT education, robotics education and CT, AI and CT, and game-based platforms for computational problem-solving. The varying ways that CT is being integrated into the early grades, in particular, presents an interesting case study in international comparative education.

Harold Abelson is Professor of Electrical Engineering and Computer Science at MIT. **Siu-Cheung Kong** is Research Chair Professor of e-Learning and Digital Competency at the Education University of Hong Kong. Together they are the editors of *Computational Thinking Education in K–12* (MIT Press).

education

May | 6 x 9, 336 pp. | 73 b&w illus.

US \$60.00X/\$79.00 CAN paperback
978-0-262-54805-2



mitpress.mit.edu | Spring 2024

Voices on the Margins

Inclusive Education at the Intersection of Language, Literacy, and Technology

Yenda Prado and Mark Warschauer

A rich view of inclusive education at the intersection of language, literacy, and technology—drawing on case study research in a diverse full-inclusion US school before, during, and after the COVID-19 pandemic.

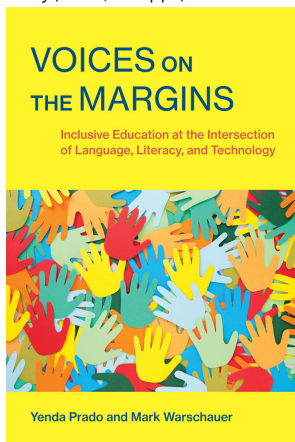
Despite advancing efforts in integration, the segregation of students with disabilities from their nondisabled peers persists. In the United States, 34 percent of all students with disabilities spend at least 20 percent of their instructional time in segregated classrooms. For students with intellectual or multiple disabilities, segregated placement soars to 80 percent. In *Voices on the Margins*, Yenda Prado and Mark Warschauer provide an ethnography of an extraordinary full-inclusion public charter school in the western United States—Future Visions Academy. And they ask: What does it mean to be inclusive in today's schools with their increasingly pervasive use of digital technologies?

Voices on the Margins examines the ways digital technologies support inclusion and language and literacy practices for culturally and linguistically diverse children with and without disabilities. A wide range of qualitative data collected in the case study illuminates three central themes: (1) the kinds of social organization that allow a fully inclusive environment for children with disabilities to thrive, (2) the ways that digital technologies can be used to help students express their voice and agency, while developing language and literacy skills, and (3) the ways that digital technologies can be used to foster stronger networks and connections between students, teachers, staff, and parents.

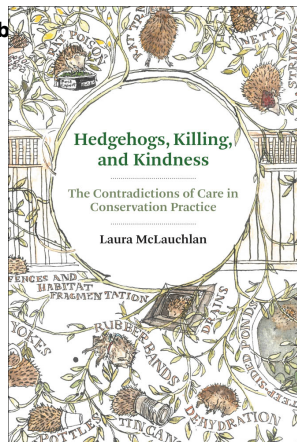
Yenda Prado has advised and written about emerging technologies and trends in inclusive education for the US Department of Education, PBS KIDS, the University of California, and the American Educational Research Association. Mark Warschauer is Professor of Education and Informatics at the University of California, Irvine, where he directs the Digital Learning Lab.

education

May | 6 x 9, 320 pp. | 5 b&w illus.



perb



Hedgehogs, Killing, and Kindness

The Contradictions of Care in Conservation Practice

Laura McLauchlan

How our understanding of and relationship to hedgehogs reveals the complex interactions between culture, technology, bodies, conservation, and care for animals.

Across the globe, the bumbling hedgehog has been framed in a variety of ways throughout history—as an animal of both good and bad luck, of transformation, of vengeance, and of wit and reincarnation. In recent years, it has also, in different parts of the world, been viewed as a pest for their predation on ground-nesting birds and has thus become a target for culling. In *Hedgehogs, Killing, and Kindness*, Laura McLauchlan explores how human actors have interacted with hedgehogs and other species through time and attends to the questions these interactions raise when it comes to ending and preserving life in the name of species conservation and wildlife rehabilitation.

Laura McLauchlan is an anthropologist with expertise in both ethnographic illustration and more-than-human approaches. She is currently a postdoctoral fellow in anthropology at Macquarie University.

environmental studies

May | 6 x 9, 272 pp. | 33 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54810-6

The Green Power of Socialism

Wood, Forest, and the Making of Soviet Industrially Embedded Ecology

Elena Kochetkova

How the Soviet forestry industry developed a unique form of industrial ecology—a commonsense approach toward natural resources for the economy and society.

In *The Green Power of Socialism*, Elena Kochetkova examines the relationship between nature and humans under state socialism by looking at the industrial role of Soviet forests. The book explores evolving Soviet policies of wood consumption, discussing how professionals working in the forestry industry of the Soviet state viewed the present and future of forests by considering them both a natural resource and a trove of industrial material. When faced with the prospect of wood shortages, these specialists came to develop new industry-ecology paradigms. Kochetkova looks at the materiality of Soviet industry through forests and wood to show how, paradoxically, industrial ecology emerged and developed as a by-product of the Soviet industrialization project.

Elena Kochetkova is Associate Professor in Modern European Economic History at the Department of Archeology, History, Cultural Studies and Religion at the University of Bergen. She served as a Secretary of the European Society of Environmental History from 2019 to 2021.

environmental history

February | 5 1/4 x 8, 256 pp. | 8 b&w illus.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54745-1

History for a Sustainable Future

Transforming School Food Politics around the World

edited by Jennifer E. Gaddis and Sarah A. Robert

foreword by Silvia Federici

How to successfully challenge and transform public school-food programs to emphasize care, justice, and sustainability, with insights from eight countries across the Global North and South.

Transforming School Food Politics around the World illustrates how everyday people from a diverse range of global contexts have successfully challenged and changed school food programs that fall short of these ideals. Editors Jennifer Gaddis and Sarah A. Robert highlight the importance of global and local struggles to argue that the transformative potential of school food hinges on valuing the gendered labor that goes into caring for, feeding, and educating children.

Jennifer E. Gaddis is Associate Professor of Civil Society and Community Studies at the University of Wisconsin-Madison and the author of *The Labor of Lunch*. She is an advisory board member of the National Farm to School Network. **Sarah A. Robert** is Associate Professor at the University at Buffalo's Graduate School of Education. She is the author of *Neoliberal Education Reform; Neoliberalism, Gender, and Education Work*; and *School Food Politics*. She is an Associate Editor for *Gender, Work, and Organizations*.

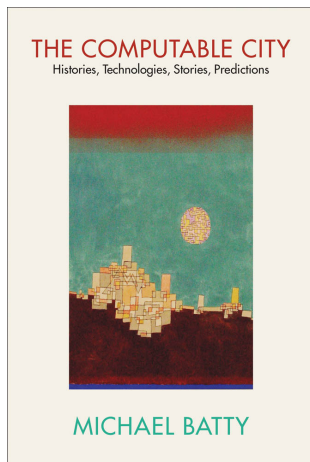
food studies and education

June | 6 x 9, 384 pp. | 17 b&w illus.

US \$50.00X/\$66.00 CAN paperback

978-0-262-54811-3

Food, Health, and the Environment series



The Computable City

Histories, Technologies, Stories, Predictions

Michael Batty

How computers simulate cities and how they are also being embedded in cities, changing our behavior and the way in which cities evolve.

At every stage in the history of computers and communications, it is safe to say we have been unable to predict what happens next. When computers first appeared nearly 75 years ago, primitive computer models were used to help understand and plan cities, but as computers became faster, smaller, more powerful, and ever more ubiquitous, cities themselves began to embrace them. As a result, the smart city emerged. In *The Computable City*, Michael Batty investigates the circularity of this peculiar evolution: how computers and communications changed the very nature of our city models, which, in turn, are used to simulate systems composed of those same computers.

Michael Batty is Bartlett Professor of Planning at University College London, where he is Chair of the Centre for Advanced Spatial Analysis (CASA) and a Turing Fellow in the Alan Turing Institute. He is the author of *Inventing Future Cities*, *The New Science of Cities*, and *Cities and Complexity* (all MIT Press).

environmental science | history of technology

March | 6 x 9, 536 pp. | 48 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54757-4

Navigating the Polycrisis

Mapping the Futures of Capitalism and the Earth

Michael J. Albert

An innovative work of realism and utopianism that analyzes the possible futures of the world-system and helps us imagine how we might transition beyond capitalism.

The world-system of which we are all a part faces multiple calamities: climate change and mass extinction, energy supply shocks, the economic and existential threat of AI, the chilling rise of far-right populism, and ratcheting geopolitical tensions, to name only a few. In *Navigating the Polycrisis*, Michael Albert seeks to illuminate how the “planetary polycrisis” will disrupt the global community in the coming decades and how we can best meet these challenges. Albert argues that we must devote more attention to the study of possible futures and adopt transdisciplinary approaches to do so. To provide a new form of critical futures analysis, he offers a theoretical framework—planetary systems thinking—that is informed by complexity theory, world-systems theory, and ecological Marxism.

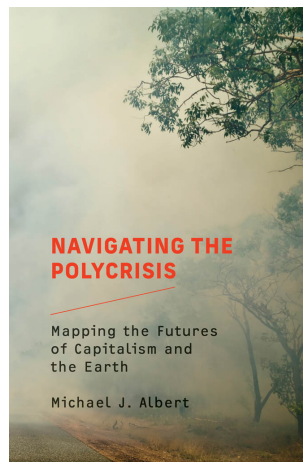
Michael J. Albert is Lecturer in Global Environmental Politics at the University of Edinburgh.

environmental science | international relations

April | 6 x 9, 304 pp. | 2 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54775-8



The Rule Book

The Building Blocks of Games

Jaakko Stenros and Markus Montola

How games are built on the foundations of rules, and how rules—of which there are only five kinds—really work.

Board games to sports, digital games to party games, gambling to role-playing games. They all share one thing in common: rules. Indeed, rules are the one and only thing game scholars agree is central to games. But what, in fact, are rules? In *The Rule Book*, Jaakko Stenros and Markus Montola explore how different kinds of rules work as building blocks of games. Rules are constraints placed on us while we play, carving a limited possibility space for us. They also inject meaning into our play: without rules there is no queen in chess, no ball in Pong, and no hole in one in golf.

By considering the similarities and differences of wildly different games and rules within a shared theoretical framework, *The Rule Book* renders all games more legible.

Jaakko Stenros is University Lecturer in Game Studies working at the Centre of Excellence in Game Culture Studies at Tampere University. He has published ten books and over a hundred articles and reports on games and play and heads the international Master's Programme in Game Studies. **Markus Montola** has published several books on role-playing, pervasive games, and larp, and has worked as a lead designer on mobile games such as *Shadow Cities*, *The Walking Dead: Our World*, and most recently *Friends & Dragons*. He is a cofounder of the mobile game studio Playsome.

game studies

March | 5 1/4 x 8, 256 pp. | 22 b&w illus.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54744-4

Playful Thinking series



Run and Jump

The Meaning of the 2D Platformer

Peter McDonald

How abstract design decisions in 2D platform games create rich worlds of meaning for players.

Since the 1980s, 2D platform games have captivated their audiences. Whether the player scrambles up the ladders in *Donkey Kong* or leaps atop an impossibly tall pipe in *Super Mario Bros.*, this deceptively simple visual language has persisted in our cultural imagination of video games. In *Run and Jump*, Peter McDonald surveys the legacy of 2D platform games and examines how abstract and formal design choices have kept players playing.

Peter McDonald is Assistant Professor of Design, Creative, and Informal Education in the Department of Curriculum and Instruction at the University of Wisconsin–Madison.

game studies

February | 5 1/4 x 8, 192 pp. | 32 b&w illus.

US \$35.00X/\$48.00 CAN paperback

978-0-262-54739-0

Playful Thinking series

Seeing Red

Nintendo's Virtual Boy

José P. Zagal and Benj Edwards

The curious history, technology, and technocultural context of Nintendo's short-lived stereoscopic gaming console, the Virtual Boy.

The console was red. The (revolutionary!) stereoscopic 3D graphics were red. And shortly after its vaunted release in 1995, Nintendo's balance sheet was in the red. Of all the failures the games industry has witnessed over the years, perhaps the most famous—or infamous—was the Virtual Boy. Why the Virtual Boy failed is one question José Zagal and Benj Edwards explore in *Seeing Red*, but even more interesting to the authors is what the platform was: what it promised, how it worked, and where it fit into the evolving story of gaming.

Offering rare insight into how we think about video game platforms, *Seeing Red* illustrates where perception and context come, quite literally, into play.

Josei P. Zagal is Professor at the University of Utah's Entertainment Arts & Engineering program. He is the author of *Ludoliteracy*, editor of *The Videogame Ethics Reader*, and Editor-in-Chief of *Transactions of the Digital Games Research Association*. **Benj Edwards** is a tech historian and journalist. He is currently the AI and Machine Learning reporter for *Ars Technica* and a tech journalist for publications such as *The Atlantic*, *Wired*, *Macworld*, *PCWorld*, *Fast Company*, and other publications.

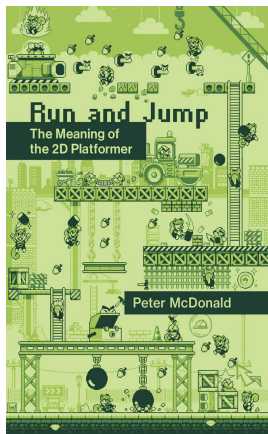
game studies

May | 6 x 9, 184 pp. | 63 b&w illus.

US \$30.00X/\$41.00 CAN paperback

978-0-262-04506-3

Platform Studies



Cats, Carpenters, and Accountants

Bibliographical Foundations of Information Science

Wayne de Fremery

An expansive case for bibliography as infrastructure in information science.

Cats, Carpenters, and Accountants argues that bibliography serves a foundational role within information science as infrastructure, and like all infrastructures, it needs and deserves attention. Wayne de Fremery's thoughtful provocation positions bibliography as a means to serve the many ends pursued by information scientists. He explains that bibliographic practices, such as enumeration and description, lie at the heart of knowledge practices and cultural endeavors, but these kinds of infrastructures are difficult to see. In this book, he reveals them and the ways that they formulate information and meaning, artificial intelligence, and human knowledge.

Wayne de Fremery is Professor of Information Science and Entrepreneurship at Dominican University of California, where he also directs the Françoise O. Lepage Center for Global Innovation.

information science

April | 6 x 9, 288 pp. | 6 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54759-8

History and Foundations of Information Science series

Optimizing Play

Why Theorycrafting Breaks Games and How to Fix It

Christopher A. Paul

An unexpected take on how games work, what the stakes are for them, and how game designers can avoid the traps of optimization.

The process of optimization in games seems like a good thing—who wouldn't want to find the most efficient way to play and win? As Christopher Paul argues in *Optimizing Play*, however, optimization can sometimes risk a tragedy of the commons, where actions that are good for individuals jeopardize the overall state of the game for everyone else. As he explains, players inadvertently limit play as they theorycraft, seeking optimal choices. The process of developing a meta, or the most effective tactic available, structures decision making, causing play to stagnate. A "stale" meta then creates a perception that a game is solved and may lead players to turn away from the game.

Christopher A. Paul is Professor of Communication and Media at Seattle University. He is the author of *Free-to-Play* and coauthor, with Mia Consalvo, of *Real Games* (both MIT Press). He is also the author of *The Toxic Meritocracy of Video Games* and *Wordplay and the Discourse of Video Games*.

information science

March | 6 x 9, 192 pp.

US \$35.00X/\$48.00 CAN paperback

978-0-262-54778-9

Living Surfaces

Images, Plants, and Environments of Media

Abelardo Gil-Fournier and Jussi Parikka

An investigation of aesthetics and visualizations of planetary surfaces from an experimental media theory perspective.

What if every vista, every island—indeed, every geographical feature on Earth—could be viewed as an art object? In *Living Surfaces*, Abelardo Gil-Fournier and Jussi Parikka explore how the surface of the Earth has, over the last two centuries, become known and perceived as an environment of images. *Living Surfaces* features a range of case studies from eighteenth-century experiments with and observations of vegetal matter, photosynthesis, and plant physiology to twenty-first-century machine vision and AI techniques of calculating agricultural and other landscape surfaces. Mapping these different scales of vegetal images, Gil-Fournier and Parikka help us understand core questions that pertain to the artistic and architectural reference points for the Anthropocene.

Abelardo Gil-Fournier is an artist and researcher. Initially trained in physics, he holds a PhD in Arts from the Winchester School of Art. His work has been shown and discussed in international venues and exhibitions. **Jussi Parikka** is Professor of Digital Aesthetics and Culture at Aarhus University and Visiting Professor at the Film and TV School of the Academy of Performing Arts in Prague as well as the Winchester School of Art. He is the author of *Insect Media*, *A Geology of Media*, *What is Media Archaeology?*, and *Operational Images* and a coauthor of *The Lab Book*.

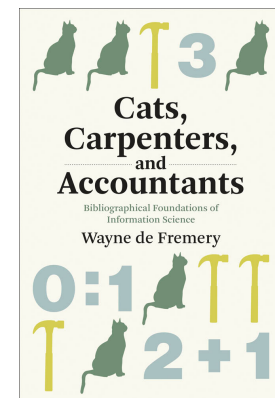
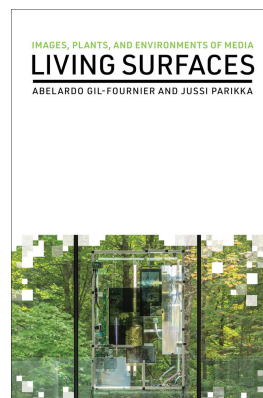
media studies

June | 6 x 9, 320 pp. | 11 color illus., 31 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54795-6

A Leonardo Book



Enacting Platforms

Feminist Technoscience and the Unreal Engine

James Malazita

An analysis of the game engine Unreal through feminist, race, and queer theories of technology and media, as well as a critique of the platform studies framework itself.

In this first scholarly book on the Unreal game engine, *Enacting Platforms*, James Malazita explores one of the major contemporary game development platforms through feminist, race, and queer theories of technology and media, revealing how Unreal produces, and is produced by, broader intersections of power. Taking a novel critical platform studies approach, he also raises deeper questions: what are the material and cultural limits of platforms themselves? What is the relationship between the analyst and the platform of study, and how does that relationship in part determine what “counts” as the platform itself? Malazita also offers a forward-looking critique of the platform studies framework itself.

The Unreal platform serves as a kind of technical and political archive of the games industry, highlighting how the techniques and concerns of games have shifted and accreted over the past 30 years. Today, Unreal is also used in contexts far beyond games, including in public communication, biomedical research, civil engineering, and military simulation and training. The author’s depth of technical analysis, combined with new archival findings, contributes to discussions of topics rarely covered in games studies (such as the politics of graphical rendering algorithms), as well as new readings of previously “closed” case studies (such as the engine’s entanglement with the US military and American masculinity in America’s Army). Culture, Malazita writes, is not “built into” software but emerges through human practices with code.

James Malazita is Assistant Professor of Science and Technology Studies and Associate Director of the Games and Simulation Arts and Sciences Program at Rensselaer Polytechnic Institute.

platform studies

July | 6 x 9, 256 pp. | 18 b&w illus.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54824-3

Platform Studies



Imagining Transmedia

edited by Ed Finn, Bob Beard, Joey Eschrich, and Ruth Wylie

How the blurring of media forms — transmedia — became the default for how we experience narratives, and how that cultural transformation has redefined the worlds of education, entertainment, and our increasingly polarized public discourse.

Ed Finn is Founding Director of the Center for Science and the Imagination and Associate Professor in the School for the Future of Innovation in Society and the School of Arts, Media, and Engineering at Arizona State University. **Bob Beard** is Public Engagement Strategist for the Center for Science and the Imagination at Arizona State University. **Joey Eschrich** is Managing Editor for the Center for Science and the Imagination at Arizona State University and Assistant Director of Future Tense, a partnership of Slate, New America, and Arizona State University. **Ruth Wylie** is Assistant Director of the Center for Science and the Imagination and Associate Research Professor in the Mary Lou Fulton Teachers College at Arizona State University.

platform studies

April | 6 x 9, 480 pp. | 36 b&w illus.

US \$65.00X/\$86.00 CAN paperback

978-0-262-54743-7

War and Aesthetics

Art, Technology, and the Futures of Warfare

edited by Jens Bjerling, Anders Engberg-Pedersen, Solveig Gade, and Christine Strandmose Toft

A provocative edited collection that takes an original approach toward the black box of military technology, surveillance, and AI — and reveals the aesthetic dimension of warfare.

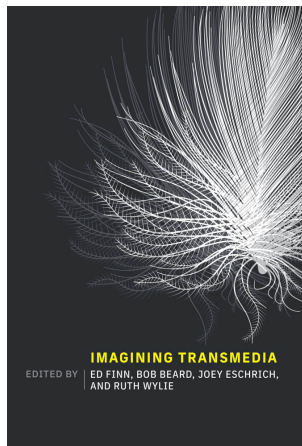
Jens Bjerling earned his PhD at the University of Copenhagen with a thesis on post-9/11 US torture and is now a consultant at the Royal Danish Defence College. **Anders Engberg-Pedersen** is Professor of Comparative Literature at the University of Southern Denmark, Chair of Humanities at the Danish Institute for Advanced Studies, and series editor of *Prisms: Humanities and War* (MIT Press). He is the author of *Martial Aesthetics: How War Became an Art Form*. **Solveig Gade** is Associate Professor of Theatre and Performance Studies in the Department of Arts and Cultural Studies at the University of Copenhagen and coeditor of *(W)archives: Archival Imaginaries, War, and Contemporary Art*. **Christine Strandmose Toft** holds a PhD in Comparative Literature. She earned her degree at the Department for the Study of Culture, University of Southern Denmark, with a thesis on the representations of the wars in Iraq and Afghanistan in fiction.

political science

May | 7 x 9, 344 pp. | 29 color illus., 19 b&w illus.

US \$40.00X/\$54.00 CAN cloth

978-0-262-04873-6



Migration Stigma

Understanding Prejudice, Discrimination, and Exclusion

edited by **Lawrence H. Yang, Maureen A. Eger,**
and **Bruce G. Link**

An introduction to the concept of “migration stigma,” along with new analytical frameworks to deepen understanding of the experiences of immigrants, their descendants, and native-born residents in immigrant-receiving societies.

Lawrence H. Yang is Professor of Social and Behavioral Sciences and Interim Chair of the Department of Social and Behavioral Sciences at New York University, where he is also Founding Director of the Global Mental Health and Stigma Program. **Maureen A. Eger** is Associate Professor of Sociology at Umeå University. **Bruce G. Link** is Distinguished Professor of Public Policy and Sociology at the University of California Riverside where he serves as Co-PI of the Health Disparities Research Center.

political science

April | 6 x 9, 276 pp. | 1 color illus., 4 b&w illus., 7 halftones

US \$70.00X/\$92.00 CAN paperback

978-0-262-54812-0

Strüngmann Forum Reports

Weapons in Space

Technology, Politics, and the Rise and Fall of the Strategic Defense Initiative

Aaron Bateman

A new and provocative take on the formerly classified history of accelerating superpower military competition in space in the late Cold War and beyond.

Aaron Bateman is Assistant Professor of History and International Affairs at George Washington University and a member of the Space Policy Institute. He has published widely on intelligence, transatlantic relations, and the military use of space during the Cold War and beyond. Prior to academia, he served as a US Air Force intelligence officer.

science, technology, and society

May | 6 x 9, 336 pp.

US \$60.00X/\$79.00 CAN paperback

978-0-262-54736-9



Data Rules

Reinventing the Market Economy

Cristina Alaimo and Jannis Kallinikos

foreword by Michael Power

A new social science framework for studying the unprecedented social and economic restructuring driven by digital data.

Digital data have become the critical frontier where emerging economic practices and organizational forms confront the traditional economic order and its institutions. In *Data Rules*, Cristina Alaimo and Jannis Kallinikos establish a social science framework for analyzing the unprecedented social and economic restructuring brought about by data. Working at the intersection of information systems and organizational studies, they draw extensively on intellectual currents in sociology, semiotics, cognitive science and technology, and social theory. Making the case for turning “data-making” into an area of inquiry of its own, the authors uncover how data are deeply implicated in rewiring the institutions of the market economy.

The authors associate digital data with the decentering of organizations. As they point out, centered systems make sense only when firms (and formal organizations more broadly) can keep the external world at arm’s length and maintain a relative operation independence from it. These patterns no longer hold. Data transform the production of goods and services to an endless series of exchanges and interactions that defeat the functional logics of markets and organizations. The diffusion of platforms and ecosystems is indicative of these broader transformations. Rather than viewing data as simply a force of surveillance and control, the authors place the transformative potential of data at the center of an emerging socioeconomic order that restructures society and its institutions.

Cristina Alaimo is Assistant Professor (Research) of Digital Economy and Society at LUISS University, Rome. **Jannis Kallinikos** is Full Professor of Organization Studies and the CISCO Chair in Digital Transformation and Data Driven Innovation at LUISS University, Rome.

science, technology, and society

June | 6 x 9, 240 pp. | 12 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54793-2

Acting with Technology series

Cracking the Bro Code

Coleen Carrigan

Why dominant racial and gender groups have preferential access to jobs in computing, and how feminist labor activism in computing culture can transform the field into a force that serves democracy and social justice.

Cracking the Bro Code is a bold ethnographic study of sexism and racism in contemporary computing cultures theorized through the analytical frame of the “Bro code.” Drawing from feminist anthropology and STS, Coleen Carrigan shares in this book the direct experiences of women, nonbinary individuals, and people of color, including her own experiences in tech, to show that computing has a serious cultural problem. From senior leaders in the field to undergraduates in their first year of college, participants consistently report how sexism and harassment manifest themselves in computing via values, norms, behaviors, evaluations, and policies. While other STEM fields are making strides in recruiting, retaining, and respecting women workers, computing fails year after year to do so.

Carrigan connects altruism, computing, race, and gender to advance the theory that social purpose is an important factor to consider in working toward gender equity in computing. Further, she argues that transforming computing culture from hostile to welcoming has the potential to change not only who produces computing technology but also the core values of its production, with possible impacts on social applications. *Cracking the Bro Code* explains how digital bosses have come to operate imperiously in our society, dodging taxes and oversight, and how some programmers who look like them are enchanted with a sense of divine right. In the context of computing’s powerful influence on the world, Carrigan speculates on how the cultural mechanisms sustaining sexism, harassment, and technocracy in computing workplaces impact both those harmed by such violence as well as society at large.

Coleen Carrigan is Associate Professor of Anthropology and Science, Technology and Society (STS) at California Polytechnic State University, San Luis Obispo. She is a recipient of a five-year National Science Foundation Faculty Early Career Development (CAREER) Award for her research into the intersections of gender, race, and social values in computing.

science, technology, and society

April | 6 x 9, 208 pp.

US \$40.00X/\$54.00 CAN paperback

978-0-262-54705-5

Labor and Technology

Cultures of Prediction

How Engineering and Science Evolve
with Mathematical Tools

Ann Johnson and Johannes Lenhard

A probing examination of the dynamic history of predictive methods and values in science and engineering that helps us better understand today’s cultures of prediction.

The ability to make reliable predictions based on robust and replicable methods is a defining feature of the scientific endeavor, allowing engineers to determine whether a building will stand up or where a cannonball will strike. *Cultures of Prediction*, which bridges history and philosophy, uncovers the dynamic history of prediction in science and engineering over four centuries. Ann Johnson and Johannes Lenhard identify four different cultures, or modes, of prediction in the history of science and engineering: rational, empirical, iterative-numerical, and exploratory-iterative. They show how all four develop together and interact with one another while emphasizing that mathematization is not a single unitary process, but one that has taken many forms.

Ann Johnson (1965–2016) was Associate Professor of Science and Technology Studies at Cornell University. **Johannes Lenhard** holds the Heisenberg Professorship in Philosophy in Science and Engineering at Rhineland-Palatinate Technical University Kaiserslautern-Landau.

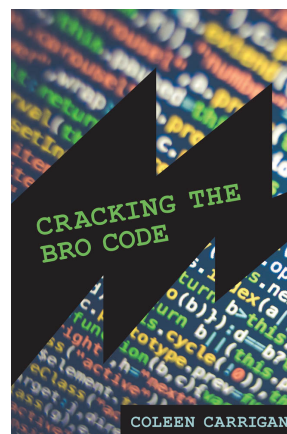
science, technology, and society

May | 6 x 9, 288 pp. | 26 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54823-6

Engineering Studies series



The Nature and Dynamics of Collaboration

edited by Paul F.M.J. Verschure

A multidisciplinary examination of the phenomenon of collaboration to expand knowledge and inform future activities.

Human existence depends critically on how well diverse social-cultural-political groups can collaborate. Yet the phenomenon of collaboration itself is ill-defined, badly understood, and there is no straightforward formula for its successful realization. In *The Nature and Dynamics of Collaboration*, edited by Paul F.M.J. Verschure et al., experts from wide-ranging disciplines examine how human collaboration arises, breaks down, and potentially recovers. They explore the different contexts, boundary conditions, and drivers of collaboration to expand understanding of the underlying dynamic, multiscale processes, in an effort to increase chances for ethical, sustainable, and productive collaboration in the future.

This volume is accompanied by twenty-four podcasts, which provide insights from real-world examples.

Paul F.M.J. Verschure is Professor of Neuroengineering and Director of the Neurotechnology Laboratory at the Donders Centre of Neuroscience, Radboud University Nijmegen, The Netherlands.

social science

April | 6 x 9, 350 pp. | 4 color illus., 2 b&w illus., 2 halftones

US \$70.00X/\$92.00 CAN paperback

978-0-262-54814-4

Strüngmann Forum Reports

Visions of a Digital Nation

Market and Monopoly in British Telecommunications

Jacob Ward

Why the privatization of British Telecom signaled a pivotal moment in the rise of neoliberalism, and how it was shaped by the longer development and digitalization of Britain's telecommunications infrastructure.

When Margaret Thatcher sold British Telecom for £3.6 billion in 1984, it became not only, at the time, the largest stock flotation in history, but also a watershed moment in the rise of neoliberalism and deregulation. In *Visions of a Digital Nation*, Jacob Ward offers an incisive interdisciplinary perspective on how technology prefigured this pivot. Giving due consideration to the politicians, engineers, and managers who paved the way for this historic moment, Ward illustrates how the decision validated the privatization of public utilities and tied digital technology to free market rationales.

Jacob Ward is Assistant Professor in the History Department and Science, Technology and Society Studies Research Program at the Faculty of Arts and Social Sciences at Maastricht University. He is coeditor of *Histories of Technology, the Environment and Modern Britain*.

science, technology, and society

February | 6 x 9, 336 pp. | 15 b&w illus.

US \$45.00X/\$60.00 CAN paperback

978-0-262-54629-4

History of Computing series

Psychoacoustic Foundations of Major-Minor Tonality

Richard Parncutt

A fascinating interdisciplinary approach to how everyday Western music works, and why the tones, melodies, and chords combine as they do.

Despite the cultural diversity of our globalized world, most Western music is still structured around major and minor scales and chords. Countless thinkers and scientists of the past have

struggled to explain the nature and origin of musical structures.

In *Psychoacoustic Foundations of Major-Minor Tonality*, music psychologist Richard Parncutt offers a fresh take, combining music theory—Rameau's fundamental bass, Riemann's harmonic function, Schenker's hierarchic analysis, Forte's pitch-class set theory—with psychology—Bregman's auditory scene, Terhardt's virtual pitch, Krumhansl's tonal hierarchy. Drawing on statistical analyses of notated music corpora, Parncutt charts a

middle path between cultural relativism and scientific positivism to bring music theory into meaningful discourse with empirical research.

Our musical subjectivity, Parncutt explains, depends on our past musical experience and hence on music history and its social contexts. It also depends on physical sound properties, as investigated in psychoacoustics with auditory experiments and mathematical models. Parncutt's evidence-based theory of major-minor tonality draws on his interdisciplinary background to present a theory that is comprehensive, creative, and critical. Examining concepts of interval, consonance, chord root, leading tone, harmonic progression, and modulation, he asks:

- Why are some scale tones and chord progressions more common than others?
- What aspects of major-minor tonality are based on human biology or general perceptual principles? What aspects are culturally arbitrary? And what about colonial history?

Original and provocative, *Psychoacoustic Foundations of Major-Minor Tonality* promises to become a foundational text in both music theory and music cognition.

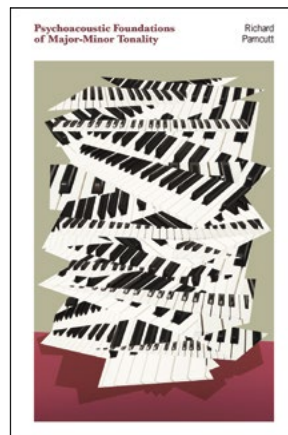
Richard Parncutt is Professor of Systematic Musicology at the University of Graz, Austria.

sound studies

February | 6 x 9, 480 pp. | 17 b&w illus.

US \$65.00X/\$86.00 CAN paperback

978-0-262-54735-2



Digital Ethology

Human Behavior in Geospatial Context

edited by Tomáš Paus and Hye-Chung Kum

An edited collection that looks deeply at how humans transform their environments and how these environments, in turn, shape humans.

Countless permutations of physical, built, and social environments surround us in space and time, influencing the air we breathe, how hot or cold we are, how many steps we take, and with whom we interact as we go about our daily lives. Assessing the dynamic processes that play out between humans and the environment is challenging. *Digital Ethology*, edited by Tomáš Paus and Hye-Chung Kum, explores how aggregate area-level data, produced at multiple locations and points in time, can reveal bidirectional—and iterative—relationships between human behavior and the environment through their digital footprints.

Experts from geospatial and data science, behavioral and brain science, epidemiology and public health, ethics, and law, as well as urban planning consider how humans transform their environments and how environments shape human behavior.

Tomáš Paus is Professor in the Departments of Psychiatry and Neuroscience, Faculty of Medicine, and Scientist at the Centre Hospitalier Universitaire Sainte-Justine, University of Montreal, Quebec, Canada. **Hye-Chung Kum** is Professor in the Department of Health Policy and Management with joint appointments in the Departments of Computer Science & Engineering and Industrial Systems & Engineering at Texas A&M University, where she is the founding director of the Population Informatics Lab.

technology

February | 6 x 9, 328 pp. | 24 color illus., 4 b&w illus., 1 halftone

US \$70.00X/\$92.00 CAN paperback

978-0-262-54813-7

Strüngmann Forum Reports