

The MIT Press

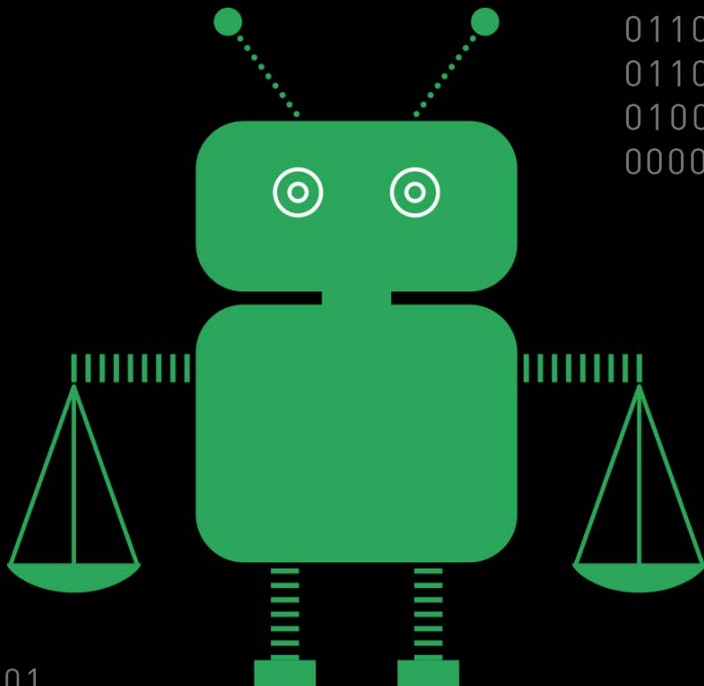


**Advancing the conversation
in artificial intelligence and
machine learning**



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THE MIT PRESS

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

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Books on AI from The MIT Press: An Incomparable Legacy, a Vital Future

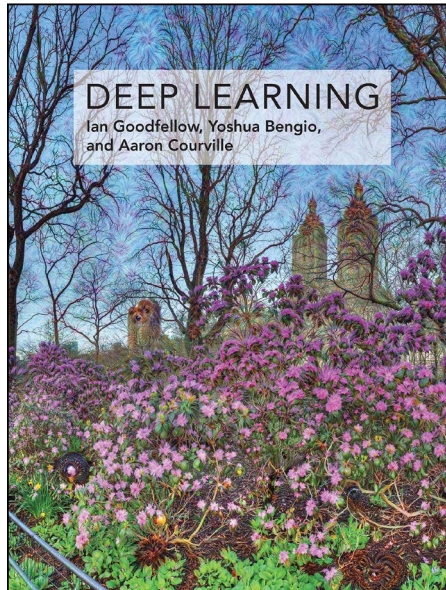
The MIT Press has defined what it means to think seriously about artificial intelligence since the field's inception. From John McCarthy's *LISP 1.5 Programmer's Manual* and the foundational works of Norbert Wiener and Herbert Simon to Minsky and Papert's *Perceptrons*, Braitenberg's *Vehicles*, and Rumelhart and McClelland's *Parallel Distributed Processing*, we have published many of the books that helped establish AI as a discipline, and many that continue to shape its future.

This legacy carries forward in the pioneering voices advancing the field today. Ian Goodfellow, Yoshua Bengio, and Aaron Courville's *Deep Learning* has trained a new generation of researchers, while Kevin Murphy's *Probabilistic Machine Learning* has become a definitive reference for the field. Simon Prince's *Understanding Deep Learning* lays out the foundations of the deep learning era, and Andrew Barto and Richard Sutton's work on reinforcement learning—which earned them the 2024 Turing Award—has helped define one of AI's central paradigms. Terrence Sejnowski bridges neuroscience and neural computation, while Blaise Agüera y Arcas probes the very nature of machine intelligence.

Our catalog spans the intellectual histories framing AI, alongside the foundational books launching new fields and informing today's policy debates. That's why the MIT Press remains the publisher of choice for those who build machines that think but also those who rigorously study and critique the field—Meredith Broussard on algorithmic bias, Gary Marcus on the urgent task of regulating Silicon Valley, and Bruce Schneier on AI and democracy.

Read on for a curated selection of our textbooks and general interest titles, featuring works on AI in the study of human intelligence, AI in society, AI in business, and AI in the creative imagination. As artificial intelligence transforms every dimension of human life, the MIT Press is proud to publish essential titles on the most consequential technology of our time for students, researchers, and the reading public alike.

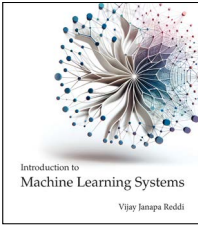
1 Leading Textbooks in AI and Robotics



Deep Learning

Ian Goodfellow, Yoshua Bengio,
& Aaron Courville
9780262035613
November 2016

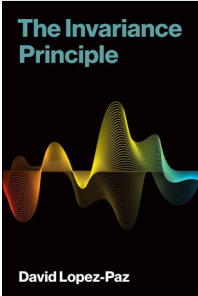
An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives.



Introduction to Machine Learning Systems

Vijay Janapa Reddi
9780262058889
November 2026

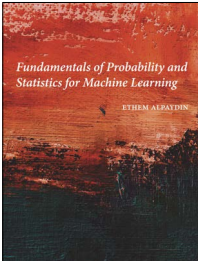
A principle-driven textbook that teaches students and practitioners to reason quantitatively about machine learning systems, from data pipelines to deployment.



The Invariance Principle

David Lopez-Paz
9780262053341
June 2026

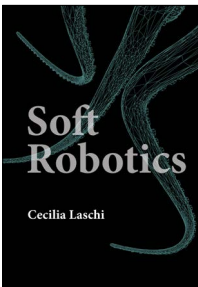
How statistical invariances will help us build AI systems exhibiting human-like performance by following human-like strategies.



Fundamentals of Probability and Statistics for Machine Learning

Ethem Alpaydm
9780262049818
December 2025

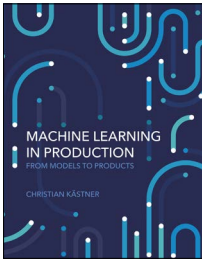
An introductory textbook for undergraduate or beginning graduate students that integrates probability and statistics with their applications in machine learning.



Soft Robotics

Cecilia Laschi
9780262049740
September 2025

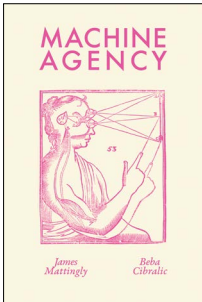
A comprehensive, cutting-edge treatment of soft robotics that brings conceptual structure to this fast-moving field.



Machine Learning in Production

Christian Kästner
9780262049726
April 2025

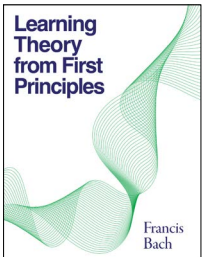
A practical and innovative textbook detailing how to build real-world software products with machine learning components, not just models.



Machine Agency

James Mattingly, Beba Cibralic
9780262549981
February 2025

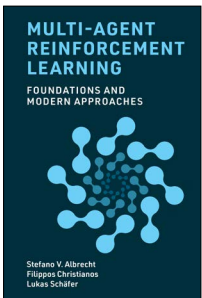
An engaging exploration of agency that provides students with the critical tools needed to understand and participate in debates about future machines.



Learning Theory from First Principles

Francis Bach
9780262049443
December 2024

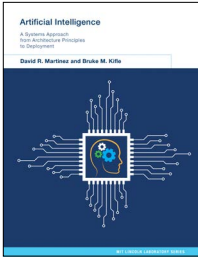
A comprehensive and cutting-edge introduction to the foundations and modern applications of learning theory.



Multi-Agent Reinforcement Learning

Stefano Albrecht, Filippos Christianos, & Lukas Schäfer
9780262049375
December 2024

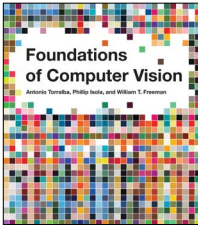
An accessible, authoritative, and up-to-date computer vision textbook offering a comprehensive introduction to the foundations of the field that incorporates the latest deep learning advances.



Artificial Intelligence

David R. Martinez, Bruke Kifle
9780262048989
June 2024

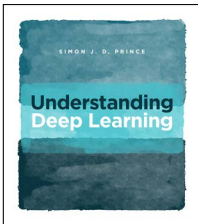
The first text to take a systems engineering approach to artificial intelligence (AI), from architecture principles to the development and deployment of AI capabilities.



Foundations of Computer Vision

Antonio Torralba, Phillip Isola, & William T. Freeman
9780262048972
April 2024

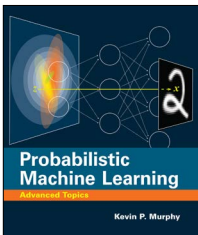
A modern, holistic treatment uniting classic vision with deep learning.



Understanding Deep Learning

Simon J. D. Prince
9780262048644
December 2023

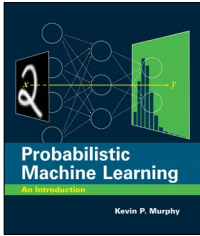
An authoritative, accessible, and up-to-date treatment of deep learning that strikes a pragmatic middle ground between theory and practice.



Probabilistic Machine Learning: Advanced Topics

Kevin Murphy
9780262048439
August 2023

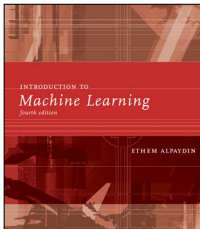
An advanced book for researchers and graduate students working in machine learning and statistics who want to learn about deep learning, Bayesian inference, generative models, and decision making under uncertainty.



Probabilistic Machine Learning: An Introduction

Kevin Murphy
9780262046824
March 2022

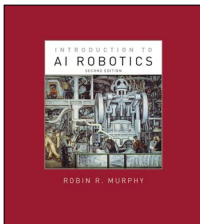
A detailed and up-to-date introduction to machine learning, presented through the unifying lens of probabilistic modeling and Bayesian decision theory.



Introduction to Machine Learning, fourth edition

Ethem Alpaydm
9780262043793
March 2020

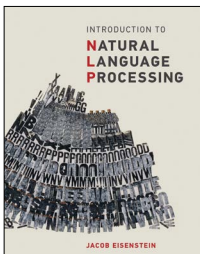
A substantially revised fourth edition of a comprehensive textbook, including new coverage of recent advances in deep learning and neural networks.



Introduction to AI Robotics, second edition

Robin R. Murphy
9780262038485
October 2019

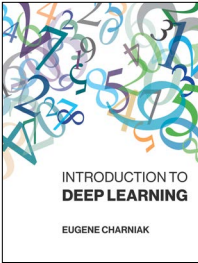
A comprehensive survey of AI algorithms for robot systems.



Introduction to Natural Language Processing

Jacob Eisenstein
9780262042840
October 2019

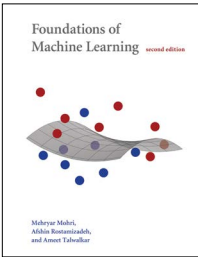
A survey of computational methods for understanding, generating, and manipulating human language.



Introduction to Deep Learning

Eugene Charniak
9780262039512
January 2019

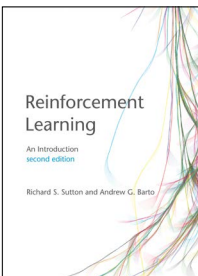
A project-based guide to the basics of deep learning.



Foundations of Machine Learning

Mehryar Mohri, Afshin Rostamizadeh
& Ameet Talwalkar
9780262039406
December 2018

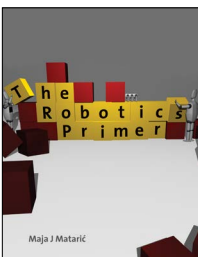
A new edition of a graduate-level machine learning textbook that focuses on the analysis and theory of algorithms.



Reinforcement Learning, second edition

Richard S. Sutton, Andrew G. Barto
9780262039246
November 2018

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence.



The Robotics Primer

Maja J. Mataric
9780262633543
August 2007

A broadly accessible introduction to robotics that spans the most basic concepts and the most novel applications; for students, teachers, and hobbyists.

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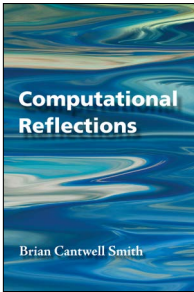
Foundations and Histories



Inventing ELIZA: How the First Chatbot Shaped the Future of AI

Sarah Ciston et al.
9780262052481
July 2026

How the original ELIZA chatbot transformed ideas about AI and society's response to them.



Computational Reflections

Brian Cantwell Smith
9780262051088
May 2026

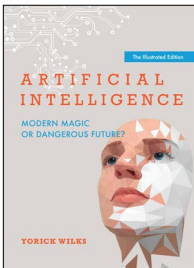
A groundbreaking critique of the philosophical foundations of computing.



AI & I: An Intellectual History of Artificial Intelligence

Eugene Charniak
9780262548731
October 2024

One of AI's earliest pioneers offers a concise, enlightening history of deep learning and artificial intelligence.



Artificial Intelligence, The Illustrated Edition: Modern Magic or Dangerous Future?

Yorick A. Wilks
9780262545457
April 2023

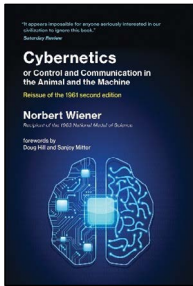
A fascinating, richly illustrated journey through the history of artificial intelligence—and an honest assessment of our future alongside it.



Ideas That Created the Future: Classic Papers of Computer Science

Edited by Harry R. Lewis
9780262045308
February 2021

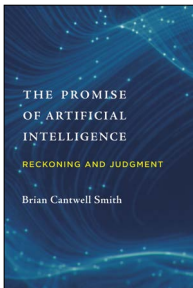
Charting the evolution of computer science—from Aristotle to Leibniz, Norbert Wiener to George Moore.



Cybernetics or Control and Communication in the Animal and the Machine

Norbert Wiener
9780262537841
October 2019

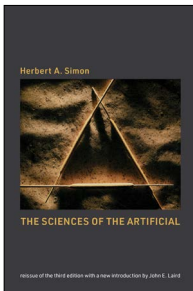
Reissue of 1961 edition; first published 1948. A classic and influential work that laid the theoretical foundations for information theory and a timely text for contemporary information theorists and practitioners.



The Promise of Artificial Intelligence: Reckoning and Judgment

Brian Cantwell Smith
9780262043045
October 2019

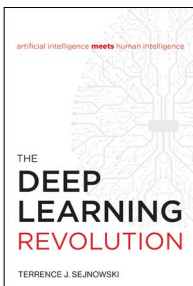
An argument that—despite dramatic advances in the field—artificial intelligence is nowhere near developing systems that are genuinely intelligent.



The Sciences of the Artificial: Reissue of the third edition

Herbert A. Simon
9780262537537
August 2019

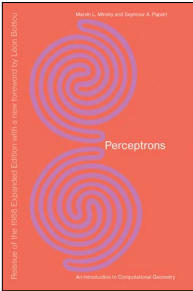
Herbert Simon's classic work on artificial intelligence in the expanded and updated third edition from 1996, with a



The Deep Learning Revolution

Terrence J. Sejnowski
9780262544993
October 2018

A history of development of neural networking from one of its pioneering researchers.



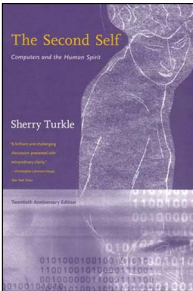
Perceptrons: An Introduction to Computational Geometry

Marvin Minsky, Seymour A. Papert

9780262534772

September 2017

First published 1969; expanded edition 1988; revised 2017. The first systematic study of parallelism in computation by two pioneers in the field.



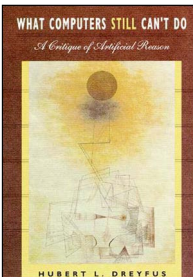
The Second Self: Computers and the Human Spirit, twentieth anniversary edition

Sherry Turkle

9780262701112

September 2005

A new edition of the classic primer in the psychology of computation, with a new introduction, a new epilogue, and extensive notes added to the original text.



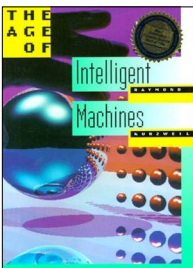
What Computers Still Can't Do: A Critique of Artificial Reason

Hubert L. Dreyfus

9780262540674

October 1992

First published in 1972, the influential manifesto that questioned the potential for machines to ever replicate human thinking.



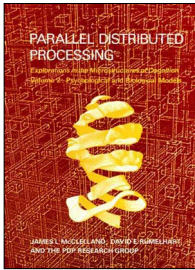
The Age of Intelligent Machines

Raymond Kurzweil

9780262111218

July 1990

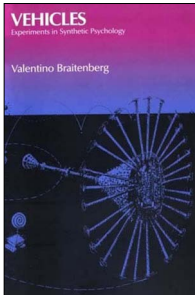
A landmark exploration of artificial intelligence that traces the field's origins and examine the profound social, economic, and philosophical implications of increasingly intelligent machines.



Parallel Distributed Processing: Volumes 1 & 2

James McClelland, David Rumelhart,
and the PDP Research Group
9780262631105; 9780262680530
July 1986

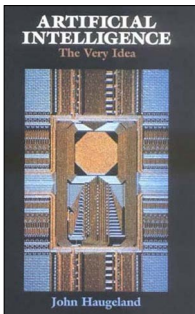
The classic early milestone on the fundamentals of distributed computing and neural networks.



Vehicles: Experiments in Synthetic Psychology

Valentino Braitenberg
9780262521123
February 1986

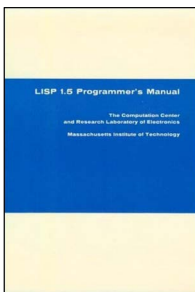
These imaginative thought experiments are the inventions of one of the world's eminent brain researchers.



Artificial Intelligence: The Very Idea

John Haugeland et al.
9780262580953
October 1985

Haugeland's marvelously lucid and witty book on what artificial intelligence is all about.



LISP 1.5 Programmer's Manual

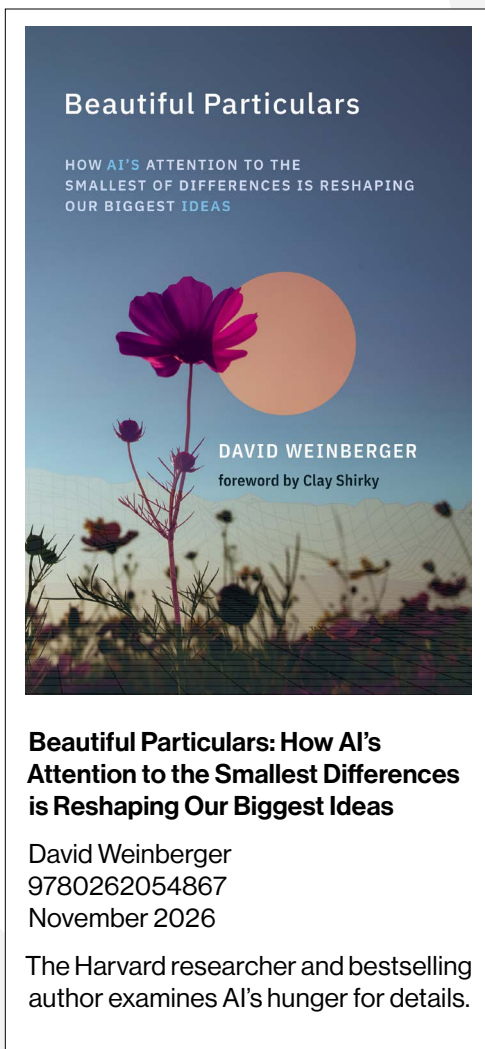
John McCarthy, Paul W. Abrahams, Daniel J. Edwards,
Timothy P. Hart, and Michael I. Levin
9780262130110
August 1962

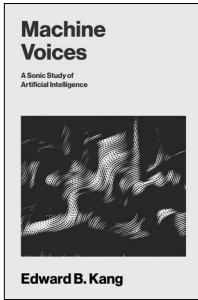
The manual describes LISP, a formal mathematical language. LISP differs from most programming languages in three important ways. The first way is in the nature of the data.



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Frontiers: Intelligence, Life, and the Big Questions

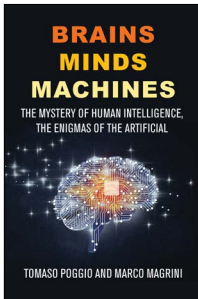




Machine Voices: A Sonic Study of Artificial Intelligence

Edward B. Kang
9780262054720
October 2026

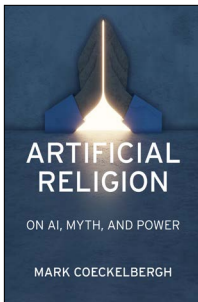
How the human voice must be understood, framed, and transformed to fit the conceptual formats required for artificial intelligence.



Brains Minds Machines: The Mystery of Human Intelligence, the Enigmas of the Artificial

Tomaso Poggio and Marco Magrini
Translated by Katherine Gregor
9780262054362
August 2026

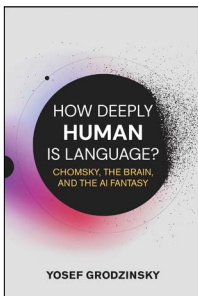
An exploration of the past, present, and possible futures of AI from an AI pioneer.



Artificial Religion: On AI, Myth, and Power

Mark Coeckelbergh
9780262052214
April 2026

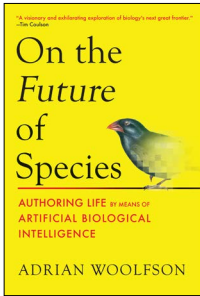
How AI is shaped by Western religious culture and universal existential aspirations—and why we think we need it in the first place.



How Deeply Human Is Language? Chomsky, The Brain, and the AI Fantasy

Yosef Grodzinsky
9780262052009
April 2026

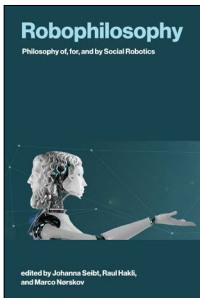
Evaluating Chomsky's claim of the “false promise” of LLMs in comparison to the brain's neural networks.



On the Future of Species: Authoring Life by Means of Artificial Biological Intelligence

Adrian Woolfson
9780262054898
April 2026

A visionary account of how genome writing can help preserve the planet.



Robophilosophy: Philosophy of, for, and by Social Robotics

Edited by Johanna Seibt, Raul Hakli and Marco Nørskov
9780262044981
January 2026

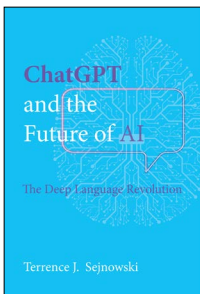
A comprehensive introduction to robophilosophy, the new field that explores the deep and far-reaching implications of social robotics.



What Is Intelligence? Lessons from AI About Evolution, Computing, and Minds

Blaise Agüera y Arcas
9780262049955
September 2025

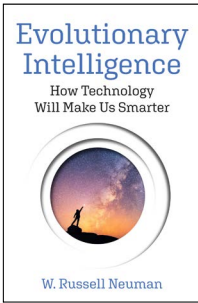
What intelligence really is, and how AI's emergence is a natural consequence of evolution.



ChatGPT and the Future of AI: The Deep Language Revolution

Terrence J. Sejnowski
9780262049252
October 2024

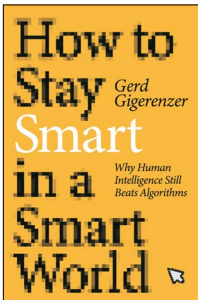
An insightful exploration of ChatGPT and other advanced AI systems—how we got here, where we're headed, and what it all means for how we interact with the world.



Evolutionary Intelligence Augmented: How Technology Will Make Us Smarter

W. Russell Neuman
9780262048484
September 2023

A surprising vision of how human and artificial intelligence can coevolve.



How to Stay Smart in a Smart World: Why Human Intelligence Still Beats Algorithms

Gerd Gigerenzer
9780262046954
August 2022

How to stay in charge in a world populated by algorithms that beat us in chess, find us romantic partners, and tell us to “turn right in 500 yards.”



Machines like Us: Toward AI with Common Sense

Ronald J. Brachman, Hector J. Levesque
9780262046794
May 2022

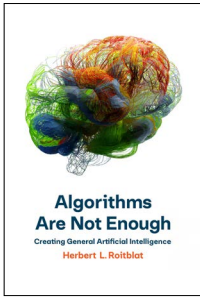
How to create rational AI rather than AI of narrow expertise.



Artificial Communication: How Algorithms Produce Social Intelligence

Elena Esposito
9780262046664
May 2022

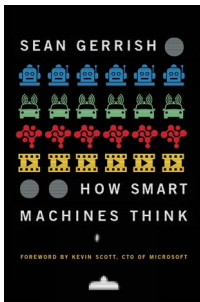
A proposal that we think about digital technologies such as machine learning not in terms of artificial intelligence but as artificial communication.



Algorithms Are Not Enough: Creating General Artificial Intelligence

Herbert L. Roitblat
9780262044127
October 2020

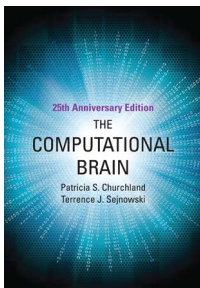
Why a new approach is needed in the quest for general artificial intelligence.



How Smart Machines Think

Sean Gerrish
Foreword by Kevin Scott
9780262537971
October 2019

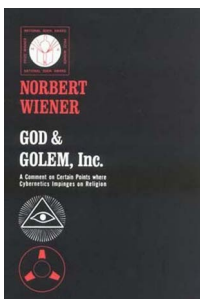
Everything you want to know about the breakthroughs in AI technology, machine learning, and deep learning—as seen in self-driving cars, Netflix recommendations, and more.



The Computational Brain

Patricia S. Churchland, Terrence J. Sejnowski
9780262533393
November 2016

The 25th anniversary edition of a foundational work of neural networking and the eventual AI movement.



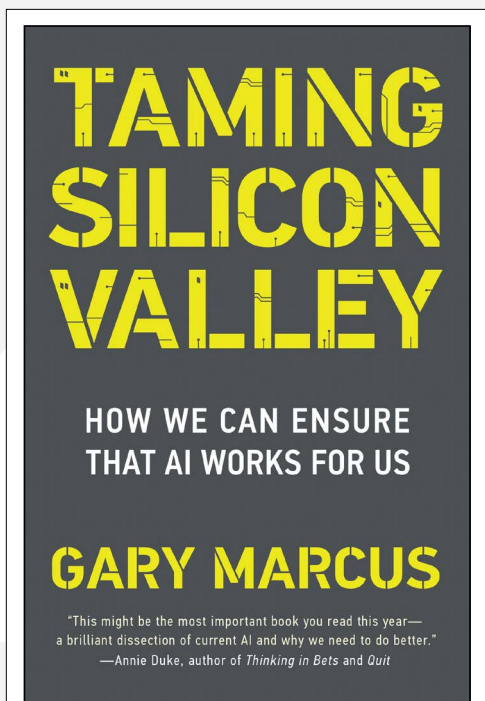
God & Golem, Inc.: A Comment on Certain Points where Cybernetics Impinges on Religion

Norbert Wiener
9780262730112
March 1964

Winner of the 1965 National Book Award in the Science, Philosophy, and Religion category.



4 AI, Ethics, and Society



Taming Silicon Valley: How We Can Ensure that AI Works for Us

Gary F. Marcus
9780262551069
September 2024

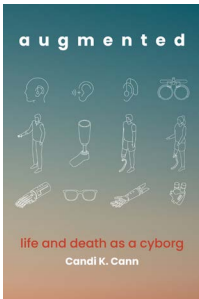
A *New Yorker* “Best Book” of 2024;
How Big Tech is taking advantage of us,
how AI is making it worse, and how we
can create a thriving, AI-positive world.



Against Bias: How Computing Cultures Manufacture Disengagement

Norma Tamaría Möllers
9780262055581
November 2026

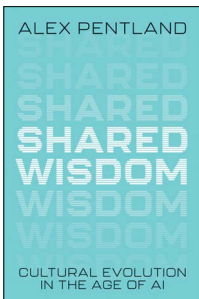
A look into the algorithmic bias at its source and how algorithmic harm happens.



augmented: life and death as a cyborg

Candi K. Cann
9780262051118
March 2026

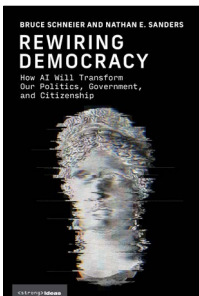
Rethinking life, death, and the meaning of disability in a world of AI.



Shared Wisdom: Cultural Evolution in the Age of AI

Alex Pentland
9780262050999
November 2025

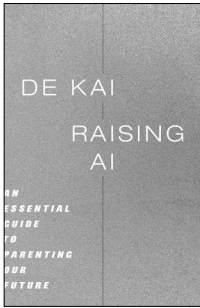
How to build a flourishing human-focused society in the age of AI.



Rewiring Democracy: How AI Will Transform Our Politics, Government, and Citizenship

Bruce Schneier, Nathan E. Sanders
9780262049948
October 2025

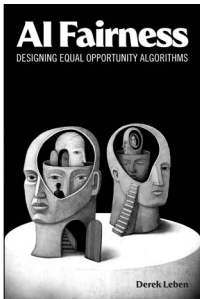
An informative and wide-ranging exploration of how AI will alter every facet of democracy.



Raising AI: An Essential Guide to Parenting Our Future

De Kai
9780262049764
June 2025

From the pioneer of translation AIs like Google, Yahoo, and Bing translate, an accessible and authoritative guide to AI—as well as a framework of empowerment for a future with our artificial children.



AI Fairness: Designing Equal Opportunity Algorithms

Derek Leben
9780262552363
May 2025

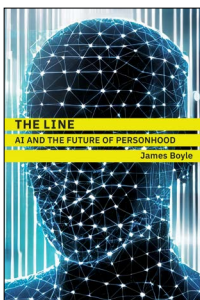
A theory of justice for AI models making decisions about education, banking, and criminal justice.



The Silicon Shrink: How Artificial Intelligence Made the World an Asylum

Daniel Oberhaus
9780262049351
February 2025

The dangerous world of AI application in psychology and how to course-correct.



The Line: AI and the Future of Personhood

James Boyle
9780262049160
October 2024

A “terrific” (*New Yorker*) exploration of how AI could challenge the very definition of personhood.



More than a Glitch: Confronting Race, Gender, and Ability Bias in Tech

Meredith Broussard
9780262548328
March 2023

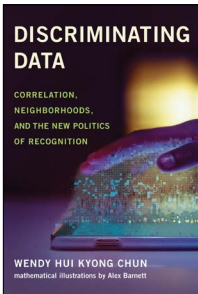
Citing bias over glitch, a call to redesign AI systems for a more equitable world.



The New Fire: War, Peace, and Democracy in the Age of AI

Ben Buchanan, Andrew Imbrie
9780262548489
March 2022

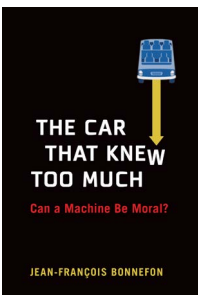
How AI is redefining the rules of engagement in foreign affairs and waging war.



Discriminating Data: Correlation, Neighborhoods, and the New Politics of Recognition

Wendy Hui Kyong Chun
9780262046220
November 2021

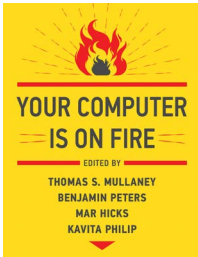
How big data and machine learning encode discrimination and create agitated clusters of comforting rage.



The Car That Knew Too Much: Can a Machine Be Moral?

Jean-François Bonnefon
9780262045797
October 2021

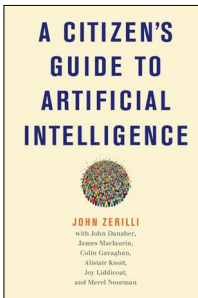
The inside story of the groundbreaking experiment that captured what people think about the life-and-death dilemmas posed by driverless cars.



Your Computer Is on Fire

Edited by Thomas S. Mullaney, Benjamin Peters,
Mar Hicks, and Kavita Philip
9780262539739
March 2021

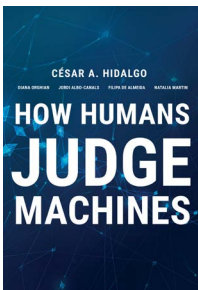
Techno-utopianism is dead: Now is the time to pay attention to the inequality, marginalization, and biases woven into our technological systems.



A Citizen's Guide to Artificial Intelligence

John Zerilli
9780262044813
February 2021

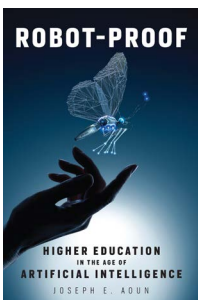
A concise and informative overview of AI ethics and what we as citizens need to know about its future.



How Humans Judge Machines

César A. Hidalgo, Diana Orghian, Jordi Albo Canals,
Filipa de Almeida and Natalia Martin
9780262045520
February 2021

How people judge humans and machines differently, in scenarios involving natural disasters, labor displacement, policing, privacy, algorithmic bias, and more.



Robot-Proof: Higher Education in the Age of Artificial Intelligence

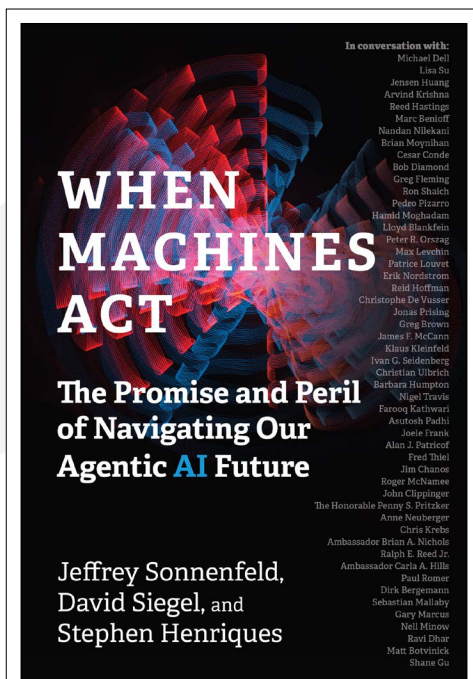
Joseph E. Aoun
9780262549851
August 2017

A fresh look at a “robot-proof” education in the new age of generative AI.



5

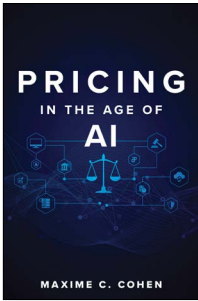
AI in Business and the Economy



When Machines Act: The Promise and Peril of Navigating Our Agentic AI Future

Jeffrey Sonnenfeld et al.
9780262065184
March 2027

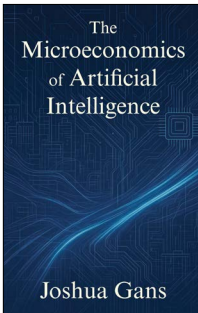
Beyond the hype and above the panic:
How autonomous AI reshapes work,
competition, and power, and the
judgments that decide where it leads.



Pricing in the Age of AI

Maxime C. Cohen
9780262056779
September 2026

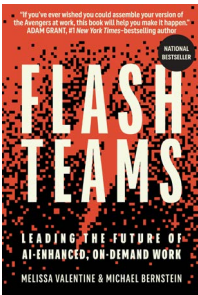
How AI is transforming pricing decisions, and what opportunities, challenges, and risks these transformations bring.



The Microeconomics of Artificial Intelligence

Joshua Gans
9780262553544
December 2025

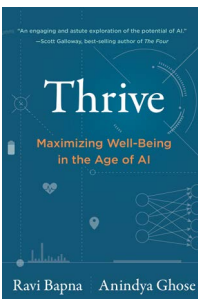
A comprehensive treatment of the microeconomics associated with the adoption and use of artificial intelligence.



Flash Teams: Leading the Future of AI-Enhanced, On-Demand Work

Melissa Valentine, Michael Bernstein
9780262049849
October 2025

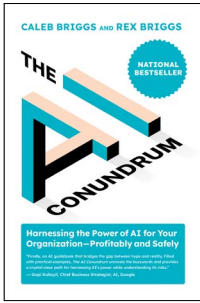
"If you've ever wished you could assemble The Avengers at work..." —Adam Grant



Thrive: Maximizing Well-Being in the Age of AI

Ravi Bapna, Anindya Ghose
9780262049313
October 2024

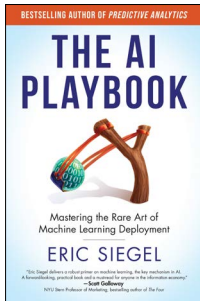
The positive impact of AI on our health, well-being, education, and lives.



The AI Conundrum: Harnessing the Power of AI for Your Organization—Profitably and Safely

Caleb Briggs, Rex Briggs
9780262053969
August 2024

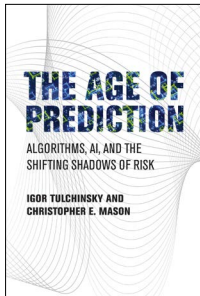
WIRED: “The book demystifies the apocalyptic specter that the media has created and helps you use this new tool.”



The AI Playbook: Mastering the Rare Art of Machine Learning Deployment

Eric Siegel
9780262048903
February 2024

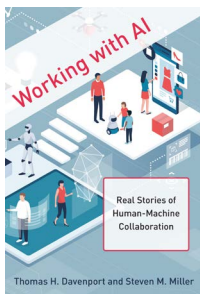
The *New York Times* bestselling author of *Predictive Analytics* offers insights on how to deploy AI in your organization.



The Age of Prediction: Algorithms, AI, and the Shifting Shadows of Risk

Igor Tulchinsky, Chris Mason
9780262047739
August 2023

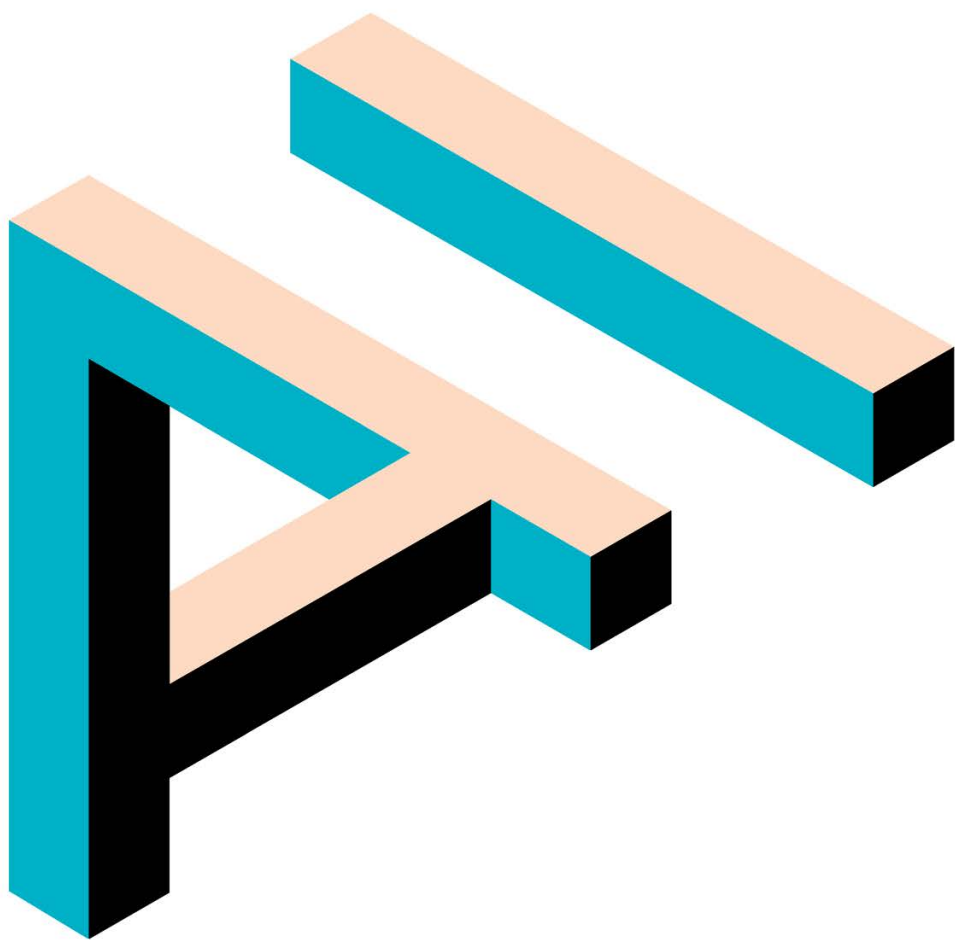
The power of AI for prediction and the paradoxical effects on risk.



Working with AI: Real Stories of Human-Machine Collaboration

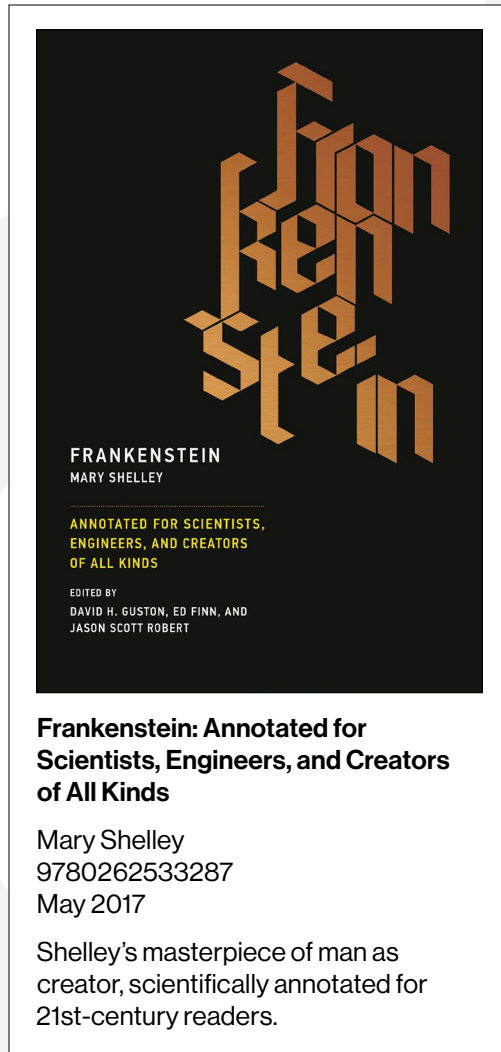
Thomas H. Davenport, Steven M. Miller
9780262047241
September 2022

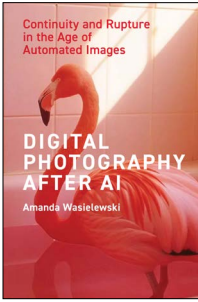
Rather than a job destroyer, the authors reveal fruitful examples of AI-worker collaboration.



6

AI in Culture: Fiction, Art, and Imagination

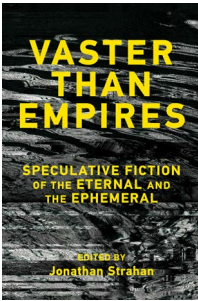




Digital Photography After AI: Continuity and Rupture in the Age of Automated Images

Amanda Wasielewski
9780262056397
December 2026

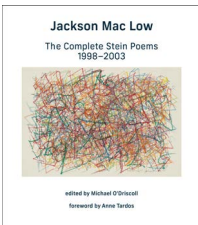
How AI-generated images alter our interactions with photography.



Vaster Than Empires: Speculative Fiction of the Eternal and the Ephemeral

Edited by Jonathan Strahan
9780262054874
November 2026

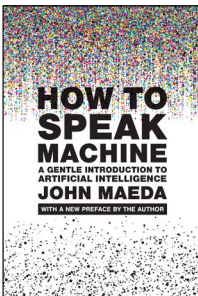
A collection of sci-fi about the frontiers of life, intelligence, and time.



The Complete Stein: Poems, 1998-2003

Jackson Mac Low
9780262552868
August 2025

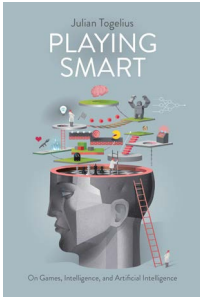
A landmark publication in computer-generated poetry drawn from the works of Gertrude Stein.



How to Speak Machine: A Gentle Introduction to Artificial Intelligence

John Maeda
9780262553179
May 2025

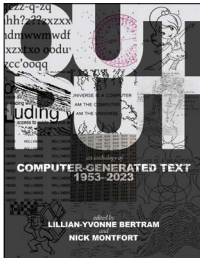
The design guru offers his understanding of the complex influence of AI.



Playing Smart: On Games, Intelligence, and Artificial Intelligence

Julian Togelius
9780262055802
October 2025

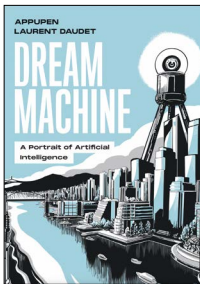
A new vision of the future of games and game design, enabled by AI.



Output: An Anthology of Computer-Generated Text, 1953–2023

Edited by Lillian-Yvonne Bertram and Nick Montfort
9780262549813
November 2024

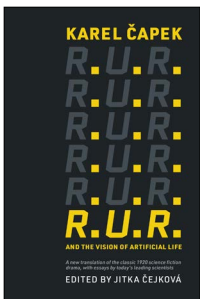
An anthology of seven decades of English-language outputs from computer generation systems, chronicling the vast history of machine-written texts created long before ChatGPT.



Dream Machine: A Portrait of Artificial Intelligence

Appupen, Laurent Daudet
9780262551298
August 2024

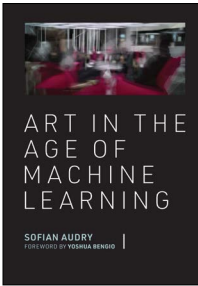
A graphic novel about the promises and perils of AI.



R. U. R. and the Vision of Artificial Life

Karel Čapek; edited by Jitka Čejková
9780262544504
January 2024

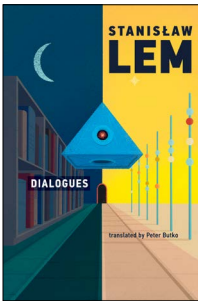
A new translation of the visionary play with essays on its scientific accuracy.



Art in the Age of Machine Learning

Sofian Audry
9780262046183
November 2021

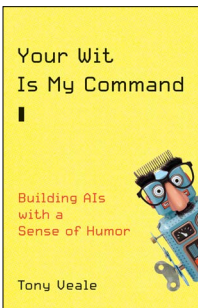
An examination of machine learning art and its practice in new media art and music.



Dialogues

Stanisław Lem
Translated by Peter Butko
9780262542937
September 2021

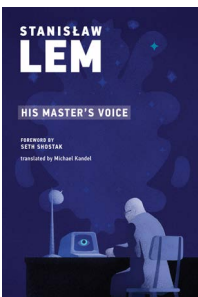
The great sci-fi writer's 1957 non-fiction appreciation of the "limitless cognitive optimism" of cybernetics.



Your Wit Is My Command: Building AIs with a Sense of Humor

Tony Veale
9780262045995
September 2021

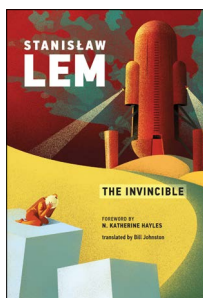
For fans of computers and comedy alike, an accessible and entertaining look into how we can use artificial intelligence to make smart machines funny.



His Master's Voice

Stanisław Lem
Translated by Michael Kandel
9780262538459
February 2020

Lem's classic novel about the nature of intelligence and surveillance.



The Invincible

Stanisław Lem

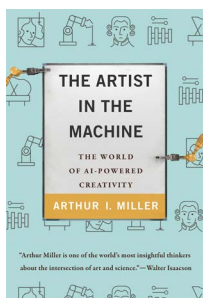
Foreword by N. Katherine Hayles

Translated by Bill Johnston

9780262538473

February 2020

A space cruiser, in search of its sister ship, encounters beings descended from self-replicating machines.



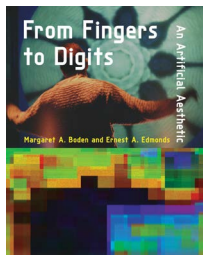
The Artist in the Machine: The World of AI-Powered Creativity

Arthur I. Miller

9780262042857

October 2019

An authority on creativity introduces us to AI-powered computers that are creating art, literature, and music that may well surpass the creations of humans.



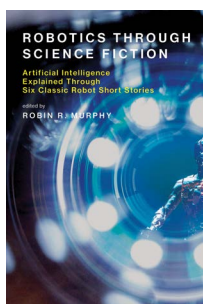
From Fingers to Digits: An Artificial Aesthetic

Margaret A. Boden, Ernest A. Edmonds

9780262039628

July 2019

Essays on computer art and its relation to more traditional art, by a pioneering practitioner and a philosopher of artificial intelligence.



Robotics Through Science Fiction: Artificial Intelligence Explained Through Six Classic Robot Short Stories

Edited by Robin R. Murphy

9780262536264

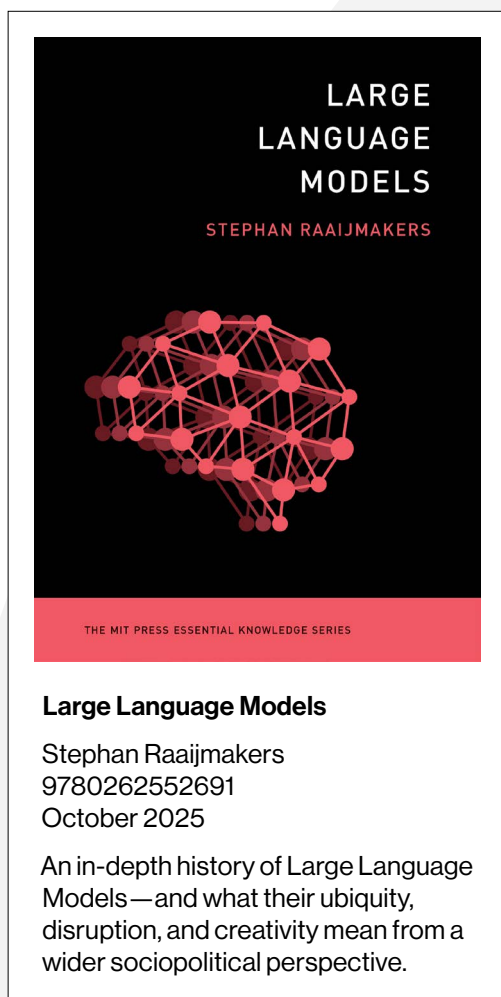
December 2018

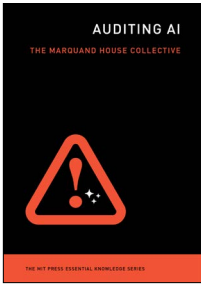
Six classic science fiction stories and commentary that illustrate and explain key algorithms or principles of artificial intelligence.



7 Essential Knowledge on Artificial Intelligence

The MIT Press Essential Knowledge series offers concise, accessible books on topics of current interest, including grounding texts on the development and implications of artificial intelligence. Below is a sample of series offerings.

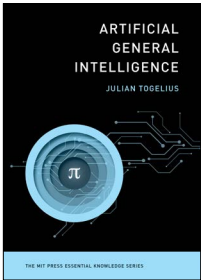




Auditing AI

The Marquand House Collective
9780262051729
April 2026

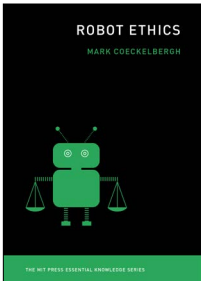
How tech companies, journalists, and policymakers can prevent AI decision-making from going wrong.



Artificial General Intelligence

Julian Togelius
9780262549349
September 2024

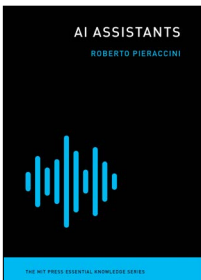
How to make AI capable of general intelligence, and what such technology would mean for society.



Robot Ethics

Mark Coeckelbergh
9780262544092
September 2022

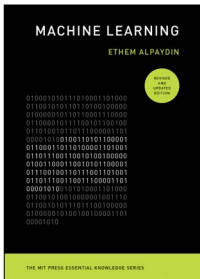
A guide to the ethical questions that arise from our use of industrial robots, robot companions, self-driving cars, and other robotic devices.



AI Assistants

Roberto Pieraccini
9780262542555
September 2021

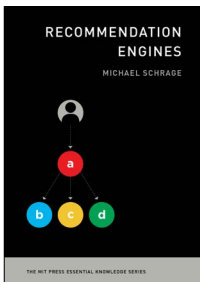
An accessible explanation of the technologies that enable such popular voice-interactive applications as Alexa, Siri, and Google Assistant.



Machine Learning

Ethem Alpaydm
9780262542524
August 2021

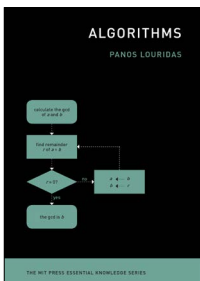
A concise primer on machine learning—computer programs that learn from data and the basis of applications like voice recognition and driverless cars.



Recommendation Engines

Michael Schrage
9780262539074
September 2020

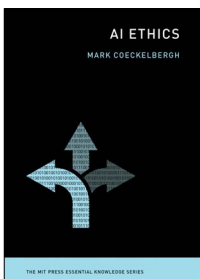
How companies like Amazon and Netflix know what “you might also like”: the history, technology, business, and social impact of online recommendation engines.



Algorithms

Panos Louridas
9780262539029
August 2020

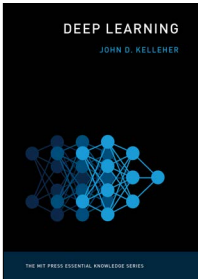
An accessible introduction to algorithms, explaining not just what they are but how they work, with examples from a wide range of application areas.



AI Ethics

Mark Coeckelbergh
9780262538190
April 2020

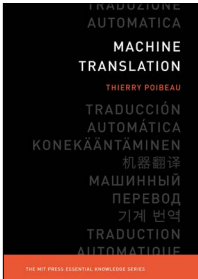
This overview of the ethical issues raised by artificial intelligence moves beyond hype and nightmare scenarios to address concrete questions.



Deep Learning

John D. Kelleher
9780262537551
September 2019

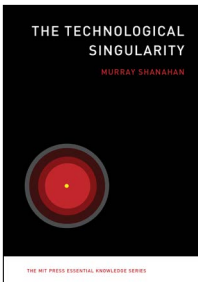
An accessible introduction to the artificial intelligence technology that enables computer vision, speech recognition, machine translation, and driverless cars.



Machine Translation

Thierry Poibeau
9780262534215
September 2017

A concise, nontechnical overview of the development of machine translation, including the different approaches, evaluation issues, and major players in the industry.



The Technological Singularity

Murray Shanahan
9780262527804
August 2015

The idea of technological singularity, and what it would mean if ordinary human intelligence were enhanced or overtaken by artificial intelligence.



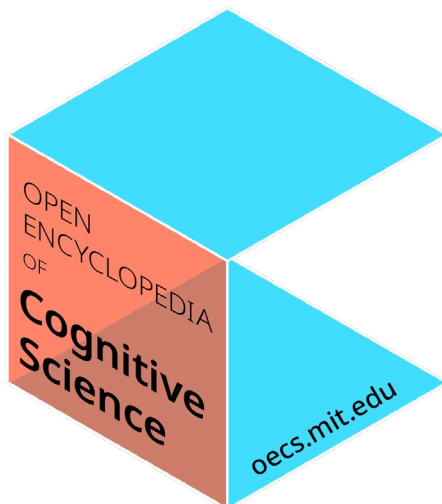
8 Journals and Reference Works

Minds, Machines, and Brains

Minds, Machines, and Brains aims to advance scientific understanding of the principles of intelligence and cognition that cross-cut natural and artificial minds and brains. MMB covers the intersections of the fields of cognitive science, artificial intelligence, and neuroscience.

The Open Encyclopedia of Cognitive Science

The Open Encyclopedia of Cognitive Science is a new, multidisciplinary guide to understanding the mind: a freely available, growing collection of peer-reviewed articles introducing key topics, including AI & Cognitive Modeling, to a broad audience of students and scholars.



NeuroNexus

NeuroNexus is an interdisciplinary journal focused on advancing the science of human and machine intelligence by integrating research from psychology, neuroscience, and computer science. It provides a platform for original research, reviews, and theoretical work on topics ranging from the cognitive and neural foundations of intelligence to human-centered AI and cognitive enhancement.

Computational Linguistics

Computational Linguistics is the longest-running publication devoted exclusively to the computational and mathematical properties of language and the design and analysis of natural language processing systems. This highly regarded quarterly offers university and industry linguists, computational linguists, artificial intelligence and machine learning investigators, cognitive scientists, speech specialists, and philosophers the latest information about the computational aspects of all the facets of research on language.



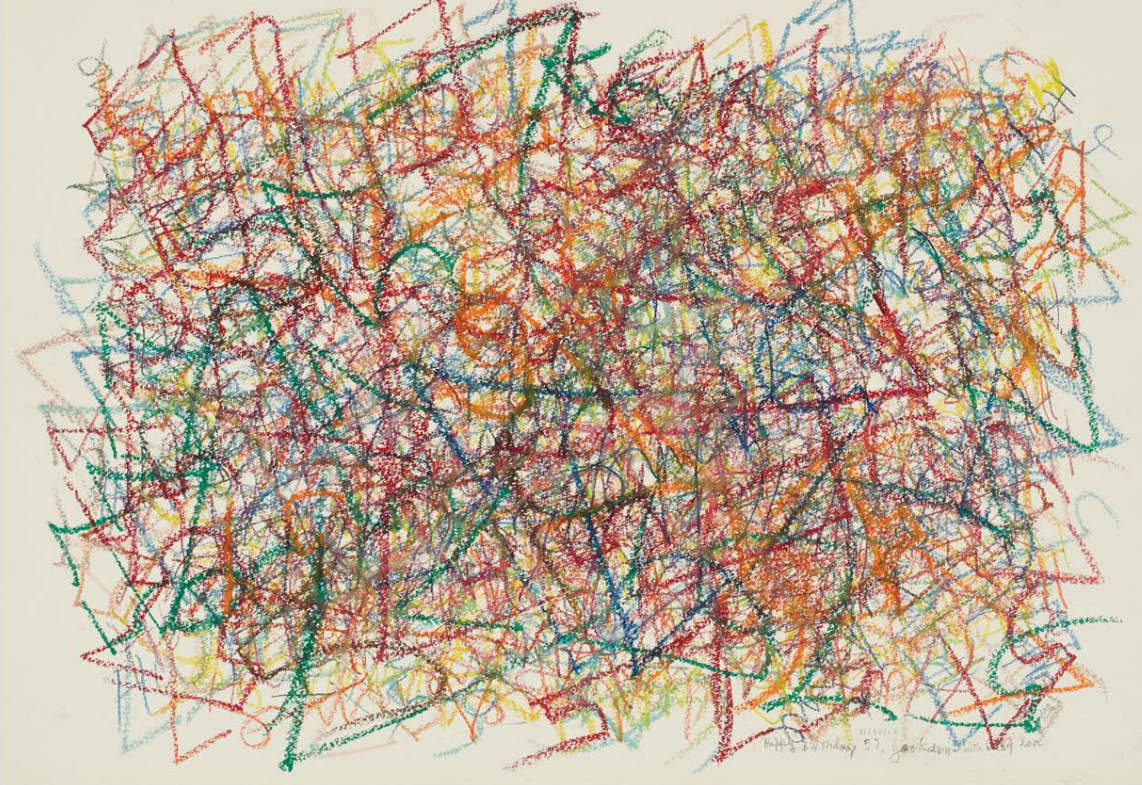
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