



intelligence saturates political life and depletes the planet? How is AI shaping our understanding of ourselves and our societies? In this book Kate Crawford reveals how this planetary network is fueling a shift toward undemocratic governance and increased inequality. Drawing on more than a decade of research, award-winning science, and technology, Crawford reveals how AI is a technology of extraction: from the energy and minerals needed to build and sustain its infrastructure, to the exploited workers behind "automated" services, to the data AI collects from us. Rather than taking a narrow focus on code and algorithms, Crawford offers us a political and a material perspective on what it takes to make artificial intelligence and where it goes wrong. While technical systems present a veneer of objectivity, they are always systems of power. This is an urgent account of what is at stake as technology companies use artificial intelligence to reshape the world.

Everything is made of stuff. Some things are made of paper, like this book. And some things are made of PLASTIC. If you look around you, plastic is everywhere. Even in places where it's not meant to be. If it drops to the ground, it doesn't rot away - it sticks around for ever. Our world is drowning in plastic, and it's a big problem. Award-winning author-illustrator Neal Layton is here to explain where plastic comes from, why it doesn't biodegrade, and why that's dangerous for animals and humans alike. But he's also FULL of ideas for how you can help! From giving up straws in juice cartons to recycling all we can and taking part in a beach clean, A Planet Full of Plastic will get young readers excited about how they can make a difference to keep Planet Earth happy. This brilliant non-fiction picture book, illustrated in Neal's trademark collage style, is perfect for readers aged 5-7 who love nature and want to help the environment.

A Planet Full of Plastic

High Performance Computing. Parallel Processing Models and Architectures

Selected Papers

Proceedings of the Wessel Symposium at The Royal Danish Academy of Sciences and Letters, Copenhagen, August 11-15 1998. Invited Papers

A Novel of Ada Lovelace

Das preisgekrönte Werk „Meilensteine der Rechentechnik“ liegt in der 3., völlig neu bearbeiteten und stark erweiterten Auflage vor. Die beiden Bände, die im Ganzen rund 2000 Seiten umfassen, sind ein Gesamtwerk, lassen sich aber auch einzeln nutzen. Das Buch behandelt sowohl analoge wie digitale Geräte und geht auch auf benachbarte Bereiche wie historische Automaten und Roboter sowie wissenschaftliche Instrumente aus den Bereichen Mathematik, Astronomie, Vermessungswesen und Zeitmessung ein. Gestreift werden zudem frühe Schreibmaschinen und programmgesteuerte mechanische Webstühle. Der zweite Band widmet sich überwiegend den Elektronenrechnern: Erfindung des Computers, weltweite Entwicklung der Rechentechnik (mit Schwerpunkt Europa, besonders Deutschland, England, Schweiz). Er schließt überdies je ein umfangreiches Fachwörterbuch Deutsch-Englisch und Englisch-Deutsch ein. Hinzu kommt eine umfassende weltweite Bibliografie mit Einträgen deutscher, englischer, französischer, italienischer und spanischer Schriften. Schwerpunkte des ersten Bandes sind: Grundlagen, mechanische Rechenmaschinen, Rechenschieber, historische Automaten und Roboter sowie wissenschaftliche Instrumente, Entwicklung der Rechenkunst, Schritt-für-Schritt-Anleitungen für analoge und digitale Rechengерäte. Eine Fülle prachtvoller Rechenmaschinen, Rechenbretter, Androiden, Figurenautomaten, Musikautomaten, Uhren, Globen und Webmaschinen wird in Farbbildern vorgestellt. Das Buch enthält ferner grundsätzliche Betrachtungen zu Themen wie digitaler Wandel und künstliche Intelligenz sowie zur Rolle der Technikgeschichte und der Erhaltung des technischen Kulturguts. Beide Bände berichten über aufsehenerregende neue Funde von Dokumenten und Gegenständen (u.a. weltgrößte serienmäßig gefertigte Rechenwalze, weltweit kleinster mechanischer Parallelrechner, erster mechanischer Prozessrechner). Das Buch, das sich auch als Nachschlagwerk eignet, ist allgemein verständlich. Es richtet sich an alle, die Freude haben an Technik-, Mathematik-, Informatik- und Kunstgeschichte. Einige Merkmale: - Mehrsprachige Bibliografie zur Mathematik-, Informatik-, Technik- und Naturwissenschaftsgeschichte mit über 6000 Einträgen - deutsch-englisches und englisch-deutsches Fachwörterbuch - 20 Schritt-für-Schritt-Anleitungen für die Bedienung historischer analoger und digitaler Geräte - >700 Abbildungen, >150 tabellarische Übersichten, zahlreiche Zeittafeln - ausführliches Personen-, Orts- und Sachverzeichnis. Herbert Bruderer ist Dozent i.R. am Departement für Informatik der ETH Zürich und Technikhistoriker. Er hat zahlreiche Bücher zur Informatik verfasst und ist mehrfacher Preisträger.

Come le donne si rapportano con le nuove tecnologie, come hanno accesso alla rete, come la usano. Analisi di testi e pratiche specifiche legati alle tematiche di genere nei suoi intrecci con le tecnologie dell'informazione.

The breathtakingly rapid pace of change in computing makes it easy to overlook the pioneers who began it all. Written by Martin Davis, respected logician and researcher in the theory of computation, The Universal Computer: The Road from Leibniz to Turing explores the fascinating lives, ideas, and discoveries of seven remarkable mathematicians. It tells the stories of the unsung heroes of the computer age - the logicians. The story begins with

Leibniz in the 17th century and then focuses on Boole, Frege, Cantor, Hilbert, and Gödel, before turning to Turing. Turing's analysis of algorithmic processes led to a single, all-purpose machine that could be programmed to carry out such processes—the computer. Davis describes how this incredible group, with lives as extraordinary as their accomplishments, grappled with logical reasoning and its mechanization. By investigating their achievements and failures, he shows how these pioneers paved the way for modern computing. Bringing the material up to date, in this revised edition Davis discusses the success of the IBM Watson on Jeopardy, reorganizes the information on incompleteness, and adds information on Konrad Zuse. A distinguished prize-winning logician, Martin Davis has had a career of more than six decades devoted to the important interface between logic and computer science. His expertise, combined with his genuine love of the subject and excellent storytelling, make him the perfect person to tell this story.

German soldiers take Peter from a Warsaw orphanage, and soon he is adopted by Professor Kaltenbach, a prominent Nazi, but Peter forms his own ideas about what he sees and hears and decides to take a risk that is most dangerous in 1942 Berlin.

Evil Deadpool

The Auslander

Il computer dimenticato. Charles Babbage, Ada Lovelace e la ricerca della macchina perfetta

The Paternity Promise

Pioneer of the Computer

Corpi neri e gatti quantistici. Storie dagli annali della fisica

*"Your Name" Director Makoto Shinkai's latest movie "WEATHERING WITH YOU" will get a complete manga version with beautiful art and delicate depictions by the up-and-coming artist Wataru Kubota!! During the summer of his first year in high school, a young man named Hodaka runs away from home to the bustling city of Tokyo. Alone and exhausted, he decides to kill time in a fast food place, where he meets a young woman named Hina who happens to work there. Little does he know that Hina possesses powers that not only affect the weather, but the whole world... In Weathering with You, Makoto Shinkai dives into topics like love and sacrifice to show how far one boy goes to protect the thing he loves most. This manga reveals the backstories and true thoughts of the characters who stole the hearts of fans and critics worldwide.*

*X-Men meets Marissa Meyer's Renegades when New York Times bestselling author of the Ugliers series Scott Westerfeld teams up with award-winning authors Margo Lanagan and Deborah Biancotti for this explosive trilogy filled with "cinematic nonstop action," (Booklist) about six teens with unique abilities. Don't call them heroes. But these six California teens have powers that set them apart. Take Ethan, a.k.a. Scam. He's got a voice inside him that'll say whatever you want to hear, whether it's true or not. Which is handy, except when it isn't—like when the voice starts gabbing in the middle of a bank robbery. The only people who can help are the other Zeroes, who aren't exactly best friends these days. Enter Nate, a.k.a. Bellwether, the group's "glorious leader." After Scam's SOS, he pulls the scattered Zeroes back together. But when the rescue blows up in their faces, the Zeroes find themselves propelled into whirlwind encounters with ever more dangerous criminals. At the heart of the chaos they find Kelsie, who can take a crowd in the palm of her hand and tame it or let it loose as she pleases. Filled with high-stakes action and drama, Zeroes unites three powerhouse authors for the opening installment of a thrilling new series.*

*Toole did research for more than eight years, burying herself in British archives and libraries to narrate and edit this extraordinary collection of letters written by Ada Lovelace. Not only do they outline Ada's ingenuity for the sciences, but they also enlighten us on all aspects of Lady Lovelace's multidimensional life: her passionate desire to flourish in a "man's world," her battle with drug addiction and chronic sickness, and her efforts as a mother and wife. Lovelace also had a reputation as a wild gambler and a lover. Ada was one of the first to write programs of instructions for Babbage's Analytical Engines, the famous precursors to the modern digital computer. Ada's letters are some of the classic founding documents of cybernetics and computer science, written nearly a century before ENIAC.*

*In 1821, 30-year-old inventor and mathematician Charles Babbage was poring over a set of printed mathematical tables with his friend, the astronomer John Herschel. Finding error after error in the manually evaluated results, Babbage made an exclamation, the consequences of which would not only dominate the remaining 50 years of his life, but also lay the foundations for the modern computer industry: 'I wish to God these calculations had been executed by steam!' A few days later, he set down a plan to build a machine that would carry out complex mathematical calculations without human intervention and, at least in theory, without human errors. The only technology to which he had access for solving the problem was the cogwheel escapement found inside clocks. Babbage saw that a machine constructed out of hundreds of escapements, cunningly and precisely linked, might be able to handle calculations mechanically. The story of his lifelong bid to construct such a machine is a triumph of human ingenuity, will and imagination.*

*A Selection from the Letters of Lord Byron's Daughter and Her Description of the First Computer*  
Informatica

*The Origins of Digital Computers*

*Dreaming in Code: Ada Byron Lovelace, Computer Pioneer*

*Mary Somerville*

*The Heaven of Animals*

A biography of the leading woman of science in Great Britain during the nineteenth century.

Forgeries are an omnipresent part of our culture and closely related to traditional ideas of authenticity, legality, authorship, creativity, and innovation. Based on the concept of mimesis, this volume illustrates how forgeries must be understood as autonomous aesthetic practices - creative acts in themselves - rather than as mere rip-offs of an original work of art. The proceedings bring together research from different scholarly fields. They focus on various mimetic practices such as pseudo-translations, imposters, identity theft, and hoaxes in different artistic and historic contexts. By opening up the scope of the aesthetic implications of fakes, this anthology aims to consolidate forging as an autonomous method of creation.

A stimulating, eclectic account of new media that finds its origins in old media, particularly the cinema. In this book Lev Manovich offers the first systematic and rigorous theory of new media. He places new media within the histories of visual and media cultures of the last few centuries. He discusses new media's reliance on conventions of old media, such as the rectangular frame and mobile camera, and shows how new media works create the illusion of reality, address the viewer, and represent space. He also analyzes categories and forms unique to new media, such as interface and database. Manovich uses concepts from film theory, art history, literary theory, and computer science and also develops new theoretical constructs, such as cultural interface, spatial montage, and cinegratography. The theory and history of cinema play a particularly important role in the book. Among other topics, Manovich discusses parallels between the histories of cinema and of new media, digital cinema, screen and montage in cinema and in new media, and historical ties between avant-garde film and new media.

Collects stories that explore the tenuous bonds of family as they are tested by the sometimes brutal power of love and where characters are chased by troubles of their own making.

Deadpool: Assassin

The Universal Computer

The Day After Roswell

The Atlas of AI

Galileo and His Condemnation

Stories

***La Seconda guerra mondiale si è combattuta anche su un fronte più nascosto, tra coloro che volevano rendere illeggibili al nemico i propri messaggi e coloro che cercavano in ogni modo di svelarli. La storia è rimasta segreta per quasi trent'anni dalla fine del conflitto e una grande mole di informazioni è stata resa disponibile soltanto negli anni '90 del Novecento grazie alle leggi sulla trasparenza entrate in vigore negli Stati Uniti e nel Regno Unito, i Freedom of Information Act. I crittologi non furono alle prese solo con Enigma, la macchina cifrante tedesca, che Alan Turing contribuì a decrittare. La storia è costellata di sconfitte e trionfi, dei contributi di decine di menti geniali e del duro lavoro di un esercito di collaboratori, in gran parte donne. L'uso estensivo di macchine per cifrare e per decifrare è stato uno degli elementi decisivi per la nascita dell'informatica moderna. Charles Babbage e Ada Lovelace siglano una delle più coinvolgenti collaborazioni scientifiche nella storia delle invenzioni. Lui, i cui interessi spaziavano dalla teologia all'economia industriale, fu inventore di numerosi congegni, tra cui la Macchina alle differenze e la Macchina analitica, antesignana (un secolo prima!) del moderno computer. Lei, Ada, figlia del poeta Lord Byron, fu la migliore interprete della visione di Babbage, anticipando concetti propri dell'information technology. Sullo sfondo dell'Inghilterra vittoriana, il volume racconta i passi di questo dinamico duo, in un'appassionante intreccio di scienza, tecnologia e umanità.***

***"Cherished Reader, Should you come upon Enchantress of Numbers by Jennifer Chiaverini...consider yourself quite fortunate indeed....Chiaverini makes a convincing case that Ada Byron King is a woman worth celebrating."—USA Today New York Times bestselling author Jennifer Chiaverini illuminates the life of Ada Byron King, Countess of Lovelace—Lord Byron's daughter and the world's first computer programmer. The only legitimate child of Lord Byron, the most brilliant, revered, and scandalous of the Romantic poets, Ada was destined for fame long before her birth. But her mathematician mother, estranged from Ada's infamous and destructively passionate father, is determined to save her only child from her perilous Byron heritage. Banishing fairy tales and make-believe from the nursery, Ada's mother provides her daughter with a rigorous education grounded in mathematics and science. Any troubling spark of imagination—or worse yet, passion or poetry—is promptly extinguished. Or so her mother believes. When Ada is introduced into London society as a highly eligible young heiress, she at last discovers the intellectual and social circles she has craved all her life. Little does she realize how her exciting new friendship with Charles Babbage—the brilliant, charming, and occasionally curmudgeonly inventor of an extraordinary machine, the Difference Engine—will define her destiny. Enchantress of Numbers unveils the passions, dreams, and insatiable thirst for knowledge of a largely unheralded pioneer in computing—a young***

*woman who stepped out of her father's shadow to achieve her own laurels and champion the new technology that would shape the future.*

*Collecting Deadpool: Assassin #1-6. Cullen Bunn, master of the Deadpool limited series, joins comics legend Mark Bagley to set the assassin against his own kind! The Assassins Guild, that is! They're gunning for Deadpool and anybody he cares about, and Wade's healing factor is about to be put to the ultimate test by the knife-wielding speedster called Harvester! And even if Deadpool is lucky enough to survive that encounter, the nefarious never-do-wells lining up to take their shot will make that showdown look like a walk in the park! But the Guild picked the wrong Merc to mess with. And soon Deadpool and his pals will take the fight to the assassins and hit them where they live — literally! But in an all-out assault on the Assassins Guild's HQ, not everybody will make it out in one piece!*

**100% Unofficial Fortnite Pro Guide**

**An Attempt Applied Chiefly to Solving Plane and Spherical Polygons, 1797**

**Power, Politics, and the Planetary Costs of Artificial Intelligence**

**Science, Illumination, and the Female Mind**

**Non solo enigma**

**Zeroes**

Since 1947, the mysterious crash of an unidentified aircraft at Roswell, New Mexico, has fueled a firestorm of speculation and controversy with no conclusive evidence of its extraterrestrial origin -- until now. Colonel Philip J. Corso (Ret.), a member of President Eisenhower's National Security Council and former head of the Foreign Technology Desk at the U.S. Army's Research & Development department, has come forward to tell the whole explosive story. Backed by documents newly declassified through the Freedom of Information Act, Colonel Corso reveals for the first time his personal stewardship of alien artifacts from the crash, and discloses the U.S. government's astonishing role in the Roswell incident: what was found, the cover-up, and how these alien artifacts changed the course of 20th century history.

These assembled papers discuss Babbage's Difference Engine, which he invented in 1821 to solve the practical problem of finding a means to reliably compute the many tables needed for navigation, and his Analytical Engine, which anticipated the logical conceptions of modern digital computers.

This book discusses the career of Charles Babbage (1791-1871), British advocate of the systematic use of science in industry and creator of machines that were precursors of the modern computer. Babbage used his immense personal charm and vitality in an attempt to change the thinking of contemporary industrialists who had little use for the higher reaches of science. Shifting his own energies from pure mathematics, he planned engines that would "calculate by steam": the Difference Engines, designed to compute tables according to the method of finite differences, and the more complex Analytical Engines, forerunners of the modern computer. Almost forgotten and then rediscovered in the middle of the twentieth century, the Analytical Engines are among the great intellectual achievements of humankind. This biography of their polymathic inventor gives a convincing account of his tragic personal life and his important place in the history of science.

"You're the father." After leaving her late cousin's baby on the Dalton doorstep, Grace Templeton poses as a nanny to discover which of the billionaire twins is the father. Grace promised to protect the child, but she didn't plan to fall for the seductive brother she learns is the daddy. For single dad Blake, there's only one priority—protecting his daughter from whatever secrets Grace won't reveal. He'll get the truth from her—any way he can. And until she talks, he'll keep the temptress at his side all day...all night. Not as the nanny, but as his wife!

Storie delle guerre nascoste

Charles Babbage

Charles Babbage, Ada Lovelace e la ricerca della macchina perfetta

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Faking, Forging, Counterfeiting

Il computer dimenticato

Having survived a camping trip with the Photography Club, a group whose main extracurricular activity is offering its sexual services to the student body, Takashi Tono is suddenly thrust into the club's next group excursion—a summer hot springs retreat! Meanwhile, even the club's veterans of debauchery can't escape the worst fate of all—true love! -- VIZ Media

Would the real Wade Wilson please stand up? Deadpool returns to America, but he's not coming home alone! When a collection of Deadpool's discarded body parts meld to form an evil clone, the Merc With a Mouth faces off against himself for the crown of most

hated former mercenary turned super hero turned pirate turned intergalactic bounty hunter. But their explosive confrontation brings the NYPD, Interpol and even Captain America bearing down on Deadpool, and he'll have to convince them all there's an even crazier, less principled version of himself on the loose! Plus: Deadpool: The Musical! Collecting DEADPOOL (2008) #45-49 and #49.1.

Il computer dimenticato. Charles Babbage, Ada Lovelace e la ricerca della macchina perfettaIl computer dimenticatoCharles Babbage, Ada Lovelace e la ricerca della macchina perfettaHOEPLI EDITORE

Weathering With You, volume 1

Charles Babbage and the Quest to Build the First Computer

Dalle calcolatrici ai computer degli anni Cinquanta

On the Analytical Representation of Direction

Babbage's Calculating Engines

The Dwarf