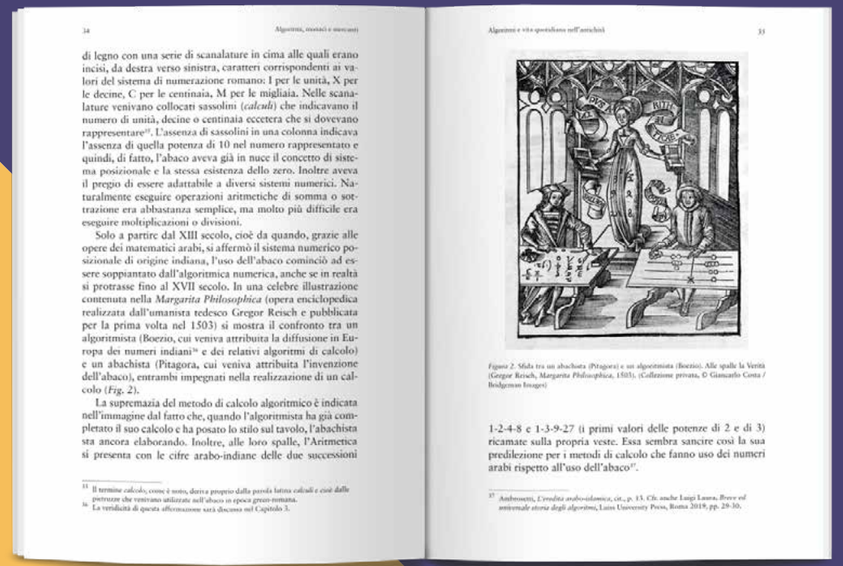
codice
EDIZIONI

Codice edizioni
Backlist

- mathematics
- physics and astrophysics
- technology, robotics, computer science
- medicine, genetics, neuroscience
- history of science, current affairs, politics, gender studies
- biology, evolution, botany, nature writing, environment
- illustrated, graphic novels
- international representation and contacts

mathematics



34 Algoritmi, monaci e mercanti

di legno con una serie di scanalature in cima alle quali erano incisi, da destra verso sinistra, caratteri corrispondenti ai valori del sistema di numerazione romano: I per le unità, X per le decine, C per le centinaia, M per le migliaia. Nelle scanalature venivano collocati sassolini (*calculi*) che indicavano il numero di unità, decine o centinaia eccetera che si dovevano rappresentare[33]. L'assenza di sassolini in una colonna indicava l'assenza di quella potenza di 10 nel numero rappresentato e quindi, di fatto, l'abaco aveva già in nuce il concetto di sistema posizionale e la stessa esistenza dello zero. Inoltre aveva il pregio di essere adattabile a diversi sistemi numerici. Naturalmente eseguire operazioni aritmetiche di somma o sottrazione era abbastanza semplice, ma molto più difficile era eseguire moltiplicazioni o divisioni.

Solo a partire dal XIII secolo, cioè da quando, grazie alle opere dei matematici arabi, si affermò il sistema numerico posizionale di origine indiana, l'uso dell'abaco cominciò ad essere soppiantato dall'algoritmica numerica, anche se in realtà si protrasse fino al XVII secolo. In una celebre illustrazione contenuta nella *Margarita Philosophica* (opera enciclopedica realizzata dall'umanista tedesco Gregor Reisch e pubblicata per la prima volta nel 1503) si mostra il confronto tra un algoritmista (Boezio, cui veniva attribuita la diffusione in Europa dei numeri indiani[34] e dei relativi algoritmi di calcolo) e un abachista (Pitagora, cui veniva attribuita l'invenzione dell'abaco), entrambi impegnati nella realizzazione di un calcolo (*Fig.* 2).

La supremazia del metodo di calcolo algoritmico è indicata nell'immagine dal fatto che, quando l'algoritmista ha già completato il suo calcolo e ha posato lo stilo sul tavolo, l'abachista sta ancora elaborando. Inoltre, alle loro spalle, l'Aritmetica si presenta con le cifre arabo-indiane delle due successioni

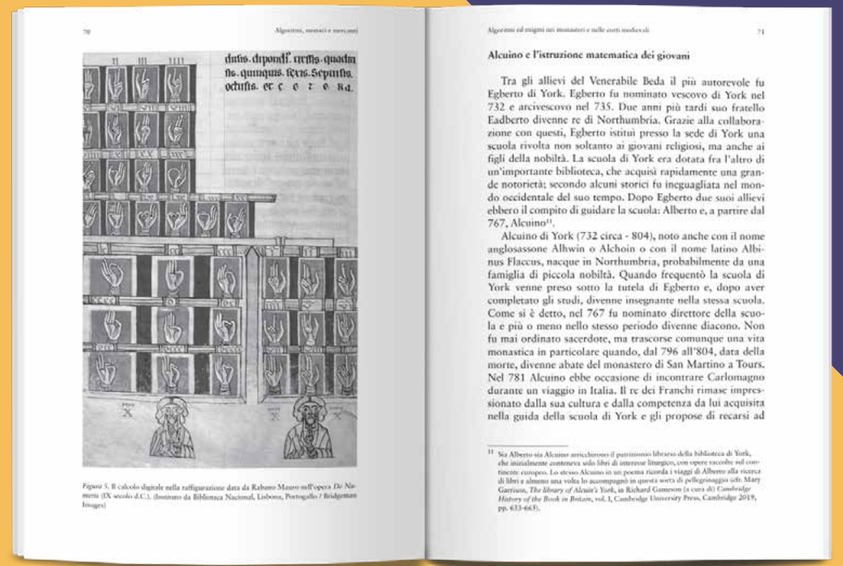
[33] Il termine calcolo, come è noto, deriva proprio dalla parola latina *calculi* e cioè dalle pietruzze che venivano utilizzate nell'abaco in epoca greco-romana.
[34] La veridicità di questa affermazione sarà discussa nel Capitolo 3.

Algoritmi e vita quotidiana nell'antichità 35

Figura 2. Sfida tra un abachista (Pitagora) e un algoritmista (Boezio). Alle spalle la Verità (Gregor Reisch, *Margarita Philosophica*, 1503). (Collezione privata, © Giancarlo Costa / Bridgeman Images)

1-2-4-8 e 1-3-9-27 (i primi valori delle potenze di 2 e di 3) ricamate sulla propria veste. Essa sembra sancire così la sua predilezione per i metodi di calcolo che fanno uso dei numeri arabi rispetto all'uso dell'abaco[35].

[35] Ambrosetti, *L'eredità arabo-islamica*, cit., p. 15. Cfr. anche Luigi Laura, *Breve ed universale storia degli algoritmi*, Luiss University Press, Roma 2019, pp. 29-30.



70 Algoritmi, monaci e mercanti

Figura 3. Il calcolo digitale nella raffigurazione data da Rabano Mauro nell'opera *De Numeris* (IX secolo d.C.). (Instituto da Biblioteca Nacional, Lisbona, Portogallo / Bridgeman Images)

Algoritmi ed enigmi nei monasteri e nelle corti medievali 71

Alcuino e l'istruzione matematica dei giovani

Tra gli allievi del Venerabile Beda il più autorevole fu Egberto di York. Egberto fu nominato vescovo di York nel 732 e arcivescovo nel 735. Due anni più tardi suo fratello Eadberto divenne re di Northumbria. Grazie alla collaborazione con questi, Egberto istituì presso la sede di York una scuola rivolta non soltanto ai giovani religiosi, ma anche ai figli della nobiltà. La scuola di York era dotata fra l'altro di un'importante biblioteca, che acquisì rapidamente una grande notorietà; secondo alcuni storici fu ineguagliata nel mondo occidentale del suo tempo. Dopo Egberto due suoi allievi ebbero il compito di guidare la scuola: Alberto e, a partire dal 767, Alcuino[33].

Alcuino di York (732 circa - 804), noto anche con il nome anglosassone Alhwin o Alchoin o con il nome latino Albinus Flaccus, nacque in Northumbria, probabilmente da una famiglia di piccola nobiltà. Quando frequentò la scuola di York venne preso sotto la tutela di Egberto e, dopo aver completato gli studi, divenne insegnante nella stessa scuola. Come si è detto, nel 767 fu nominato direttore della scuola e più o meno nello stesso periodo divenne diacono. Non fu mai ordinato sacerdote, ma trascorse comunque una vita monastica in particolare quando, dal 796 all'804, data della morte, divenne abate del monastero di San Martino a Tours. Nel 781 Alcuino ebbe occasione di incontrare Carlomagno durante un viaggio in Italia. Il re dei Franchi rimase impressionato dalla sua cultura e dalla competenza da lui acquisita nella guida della scuola di York e gli propose di recarsi ad

[33] Sia Alberto sia Alcuino arricchirono il patrimonio librario della biblioteca di York, che inizialmente conteneva solo libri di interesse liturgico, con opere raccolte sul continente europeo. Lo stesso Alcuino in un poema ricorda i viaggi di Alberto alla ricerca di libri e almeno una volta lo accompagnò in questa sorta di pellegrinaggio (cfr. Mary Garrison, *The library of Alcuin's York*, in Richard Gameson (a cura di) *Cambridge History of the Book in Britain*, vol. I, Cambridge University Press, Cambridge 2019, pp. 633-663).

Giorgio Ausiello

ALGORITHMS, MONKS AND MERCHANTS

Calculus in everyday life in the Middle Ages

A book on the history of mathematics that helps us understand the origins of one of the key words of our present: algorithms.

Text, illustrations (black and white)

Subject: mathematics

Pages: 240

Original title: *Algoritmi, monaci e mercanti. Il calcolo nella vita quotidiana del Medioevo* (September 2022)

For readers of:
- **Infinite powers (Steven Strogatz)**

Nowadays algorithms are associated to Google, computers, social platforms and artificial intelligence. But their history is much more ancient: since ancient times, the need to solve mathematical problems with appropriate computational rules has always accompanied the life of man, starting from very concrete and daily needs such as distributing agricultural products, dividing an inheritance, measuring a piece of land and allowing merchants to carry out their activities with profit. Tuscan merchants, Arab mathematicians and Spanish monks, among whom the figures of al-Khwarizmi, Fibonacci and Piero della Francesca stand out, are the characters that form the background to this choral book, whose protagonist is a society that, in the Middle Ages, was laying the foundations of our contemporary world.

Giorgio Ausiello is professor emeritus of Computer Engineering at La Sapienza University (Rome). He published numerous essays in the field of analysis and design of algorithms.

Alessandro De Angelis

GALILEO GALILEI'S "DISCOURSES AND MATHEMATICAL DEMONSTRATIONS RELATING TO TWO NEW SCIENCES" FOR THE MODERN READER

Text, illustrations (black and white)

Subject: History of science

Pages: 208

Original title: Discorsi e dimostrazioni matematiche intorno a due nuove scienze *di Galileo Galilei per il lettore moderno* (2021)

Discourses and Mathematical Demonstrations Relating to Two New Sciences represents the *summa* of Galileo's philosophical and physical theory, included by Stephen Hawking in the five most important books of all the history of science. This work led to Isaac Newton's *Principia* and to experimental science. However, reading Galileo Galilei is not simple, but Alessandro De Angelis 'traslated' the *Discourses and Mathematical Demonstrations Relating to Two New Sciences* for the modern reader, and now Galileo's legagy can be passed to future generations, helping them to understand one of the primary sources of scientific theory.

With a new version of the original Galilei's drawings, digitally restored in collaboration with the National Library in Florence.

Alessandro De Angelis is Professor of Experimental Physics at the universities of Padua and Lisbon. His most recent book is *L'enigma dei raggi cosmici* (Springer, 2012).

Foreign sales: Springer (World English), EDP Science (France), Shanghai Scientific & Technical Publishers (China)

Click here for the complete press review: https://www.codiceedizioni.it/libri/discorsi-e-dimostrazioni-matematiche-intorno-a-due-nuove-scienze/rassegne/

MAURIZIO CODOGNO

MATHEMATICS IN THE COFFEE BREAK

ILLUSTRATED BOOK,
BLACK AND WHITE

SUBJECT: MATHEMATICS,
POPULAR SCIENCE

PAGES: 170

ORIGINAL TITLE:
MATEMATICA IN PAUSA CAFFÈ
(2014)

There are many paradoxes in mathematics, but one in particular concerns its very nature: it is one of the subjects pupils hate most at school, yet it lends itself to countless games and is full of interesting facts. In short, apparently boring and irrelevant, mathematics is not only everywhere in our lives, but it can also be fun on condition that it is approached the right way. And Maurizio Codogno has without a doubt found the right way: in Mathematics in the coffee break he talks to us about traffic hold-ups (if yours is always the slowest, there must be a reason …), about lifts and Google, about playing cards and dice, about excessively compressed files and bets (lost and won). In short, everything that you would talk about over a coffee with a friend.

A mathematician and IT specialist by training, **Maurizio Codogno** is also a translator, blogger (at xmau.com and on the Post) and author of *Numeralia* (Codice Edizioni, 2019), *Matematica in pausa caffè* (Codice Edizioni, 2014), *Matematica in relax* (Vallardi, 2011) and for 40K *Matematica e infinito* (2013), *Fantamatematica* (2014) and *Alfabeto matematico* (2015).

- Foreign sales: Turkish (Doruk Yayınları), Chinese (ERC Media), Russian (Discourse), Korean (Book's Hill), Portuguese (Gradiva)

MAURIZIO CODOGNO

MATHEMATICS IN THE LUNCH BREAK

ILLUSTRATED BOOK,
BLACK AND WHITE

SUBJECT: MATHEMATICS,
POPULAR SCIENCE

PAGES: 160

ORIGINAL TITLE:
MATEMATICA IN PAUSA
PRANZO (2016)

His previous book "Matematics in the coffee break" gave a taste of how numbers and formulas are not only everywhere in our lives but can also be very entertaining. Maurizio Codogno is back with a feast of mathematics, with lots of courses and within everybody's reach. Organized in four sections (starters, first course, main course and dessert), just like a lunch, this book reveals new appetizing mathematical titbits. One morsel after the other, we will learn which system to use to tile a floor with pentagonal symmetry, which tricks to use to amaze friends and be faster than a computer and that saying "I know that you know" is not the same thing as saying "I know that you know that I know that you know." Then there are quizzes, elections, lotteries, vaccinations and slices of pizza in a tasty 'maths salad' for all palates.

A mathematician and IT specialist by training, **Maurizio Codogno** is also a translator, blogger (at xmau.com and on the Post)nd author of *Numeralia* (Codice Edizioni, 2019), *Matematica in pausa caffè* (Codice Edizioni, 2014), *Matematica in relax* (Vallardi, 2011) and for 40K *Matematica e infinito* (2013), *Fantamatematica* (2014) and *Alfabeto matematico* (2015).

- Foreign sales: Turkish (Doruk Yayınları), Chinese (ERC Media), Russian (Discourse)

– THE ANSWER TO THE FUNDAMENTAL QUESTION … ON LIFE… THE UNIVERSE, AND EVERYTHING …IS…42 […] OF COURSE IT WOULD HAVE BEEN EASIER IF I HAD KNOWN WHAT THE QUESTION WAS.
– BUT THAT WAS THE QUESTION, THE FUNDAMENTAL QUESTION OF EVERYTHING!
– THIS IS NOT QUESTION! ONLY WHEN YOU KNOW THE QUESTION WILL YOU UNDERSTAND THE ANSWER

DOUGLAS ADAMS, "THE HITCHHIKER'S GUIDE TO THE GALAXY"

LITERATURE, ART, SONGS, CARTOONS, POPULAR CULTURE AND MUCH MORE: NUMBERS ARE EVERYWHERE AND THEY HAVE A LIFE EVEN OUTSIDE MATHEMATICS, OR THEY ARE A WAY TO GET THERE IN A MORE ENTERTAINING WAY

MAURIZIO CODOGNO

NUMERALIA

SUBJECT: MATHEMATICS

PAGES: 192

ORIGINAL TITILE: NUMERALIA

PUBLICATION DATE:
AUGUST 2018

At times we feel besieged by numbers. They seem to pop up everywhere and not leave us a moment's peace, perhaps evoking terrible memories of our schooldays. It is precisely due to their ubiquity, that numbers also have a life of their own outside mathematics: they can become the starting point to see literature, art, and in general the world through different eyes and – why not? – return to mathematics in a more entertaining way.
Numeralia explains why Dante speaks of 515 and Guareschi about 23; it tells us how the 99 *Exercises in Style* of Queneau and *The Arabian Nights* are two sides of the same coin. It speaks about the Answer with a capital A and pop songs, Donald Duck, Mickey Mouse and the Bassotti Gang, about enormous numbers like a googol and tiny ones like zero, which in this big family is the slightly mad uncle.

Maurizio Codogno a mathematician and computing scientist by training, he is also translator, blogger (at xmau.com and on the "Post") and the author of several books. With Codice edizioni he has published *Matematica in pausa caffè* and *Matematica in pausa pranzo*.

Paolo Gangemi

THE MEASURES OF TIME

How long is a day on Saturn?
When do the centuries begin?
Why was there a year of 445 days?
And why in 1867 in Alaska there were two consecutive Fridays?

Measuring time is a specifically human activity, but how much do we really know about how and why the units with which we measure the flow of our lives were born? Paolo Gangemi intends to fill this gap: each chapter of *The measures of time* is dedicated to one of them, and recounts the circumstances that led to its birth. What emerges from these pages is an overview of the difficulties and compromises, at times rather bizarre, that scholars and legislators have had to face in order to establish conventions that are as universal as possible. A book full of information, pleasant and fun to read, able to satisfy the reader with a specific scientific interest and those who simply want to follow unusual and curious paths between the pages of a good book.

Paolo Gangemi is a mathematician and science writer. He published *Insalate di matematica* (Sironi, 2007) and *Storie di amore e scienza* (Scienza express, 2020).

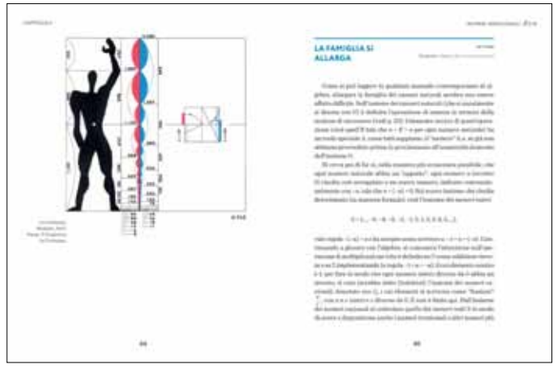
Click here for the complete press review: https://www.codiceedizioni.it/libri/le-misure-del-tempo-paolo-gangemi/rassegne/

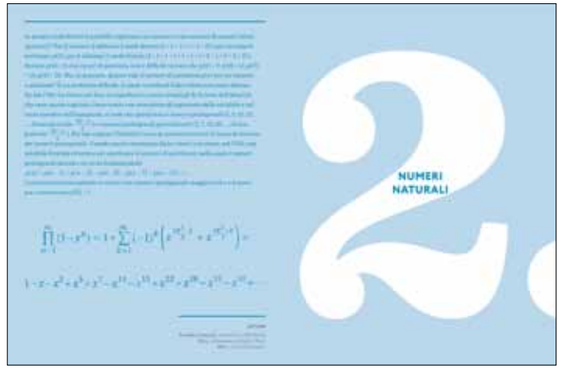
Text, illustrations (black and white)

Subject: popular science

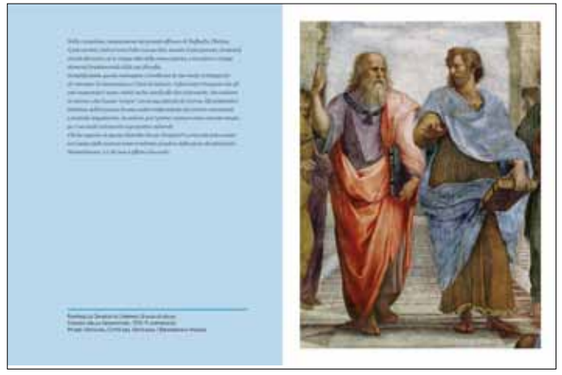
Pages: 263

Original title: *Le misure del tempo* (September 2021)





THE GREAT MATHEMATICIANS OF THE PAST; PARADOXES, CONJECTURES AND ENIGMAS; BUT ALSO A JOURNEY IN IMAGES WHICH EXPLORES THE FASCINATING DIALOGUE BETWEEN MATHEMATICS AND ART



ILLUSTRATED BOOK,
FULL COLOR

SUBJECT: MATHEMATICS

PAGES: 272

ORIGINAL TITLE: NUMERI.
TUTTO QUELLO CHE CONTA
DA ZERO A INFINITO (2017)

CLAUDIO BARTOCCI AND LUIGI CIVALLERI

NUMBERS
EVERYTHING THAT COUNTS, FROM ZERO TO INFINITE

There is beauty and mystery in numbers. They are part of our daily life, they are concrete instruments of measurement (and of power, in all its forms) but also of refined philosophical speculations. Claudio Bartocci and Luigi Civalleri take us on a journey that combines wonder and curiosity, scientific knowledge and new aesthetic sensibilities, to discover one of the greatest human cultural representations. The great mathematicians of the past and the surprising properties of numbers; paradoxes, conjectures and enigmas, and calculating machines, from the Roman abacus to the Summa Prima Olivetti. It is also a journey in images which explores, chapter by chapter, the fascinating dialogue between mathematics and art.

Claudio Bartocci teaches geometry, physics, mathematics and history of mathematics at the University of Genoa. With Piergiorgio Odifreddi he directed the work in four volumes *La matematica* (Einaudi, 2007-2011). His most recent books are *Una piramide di problemi* (Raffaello Cortina, 2012), *Dimostrare l'impossibile* (Raffaello Cortina, 2014) and *Zerologia* (with Piero Martin and Andrea Tagliapietra, il Mulino, 2016).

Luigi Civalleri teaches on the master's course in Science Communication at the SISSA, Trieste. In addition to his activity popularizing science, he is a translator (Jared Diamond, Brian Greene, Michael Pollan and others), editorial consultant and organizer of scientific events.

RUDI MATHEMATICI

COUNTING STORIES
IMAGINARY PROBLEMS FOR REAL MATHEMATICIANS

Will the great mathematicians in history ever have had fun proposing and solving problems of recreational mathematics? Or, occupied by their high offices, will they have avoided putting themselves to the test with problems created only for the fun of it? Whatever the answer, it is easy to imagine that what would have appeared paltry problems to them could be 'difficult' for ordinary people. The Rudi Mathematici, hesitating over their great passions – telling stories about mathematicians and proposing entertaining problems of mathematics – have found the strange compromise of imagining some great mathematical minds at crucial times in their (real) lives, while they propose and solve some questions which in actual fact they probably never really had to tackle. This way, we find Isaac Newton as a precursor of Sherlock Holmes in the attempt to solve (mathematically) a case of murder, or see an irritated John Von Neumann stealing sweets from Ed Teller, while the Earth risks blowing up; not to mention the strange way with which Vilfredo Pareto, Paul Erdős, G. H. Hardy, Leonardo and others treated the intriguing questions of the world of numbers.

In the real world, the Rudi Mathematici are called **Rodolfo Clerico, Piero Fabbri** and **Francesca Ortenzio**. In the world of the web, with the names of Rudy D'Alembert, Piotr Rezierovic Silverbrahms and Alice Riddle, they have persisted since 1999 in publishing the e-zine which gives the group its name. Since 2008 they have contributed to "Le Scienze", curating a monthly column of mathematical problems for the paper journal and one of the "Blog d'autore" for the electronic version. They have written two books, *Rudi Simmetrie* and *Rudi Ludi*, the first of which won the "Premio Peano", and an e-book, *Di 28 ce n'è 1*.

TEXT, NO ILLUSTRATIONS

SUBJECT: MATHEMATICS, POPULAR SCIENCE

PAGES: 200

PUBLICATION DATE: MAY 2017

ORIGINAL TITLE: STORIE CHE CONTANO – PROBLEMI IMMAGINARI PER MATEMATICI REALI

physics and astrophysics

Giuseppe Bruzzaniti

OF THINGS VISIBLE AND INVISIBLE

From the atom to the quark, all the images of the matter

A history of the twentieth-century physics revolution and its protagonists in search of the fundamental components of matter

In its relentless investigation of the fundamental units that make up the world around us, physics has pushed into ever smaller regions of matter. From atoms to elementary particles, down to the ineffable quarks, we have disengaged from the sure references of immediate intuition and abandoned the support of established philosophical categories. **The visible, broken down into its elementary constituents, became invisible and for that reason, paradoxically, comprehensible. The physics revolution of the twentieth century was thus also a philosophical revolution,** argues Giuseppe Bruzzaniti, who takes us on a journey in search of the somewhat peculiar "eyes" through which scientists have constructed some of the most significant images of matter.

Giuseppe Bruzzaniti holds a degree in physics and specializes in the history of science. He teaches mathematics and physics, works on the history of nuclear physics and has written several essays, including *Dal segno al nucleo. Saggio sulle origini della fisica nucleare* (Bollati Boringhieri, 1993), *Enrico Fermi. Il genio obbediente* (Einaudi, 2007), and *A cosa serve la matematica. Finalmente ho capito* (Vallardi, 2017, with Ugo Bruzzo).

Text, no illustrations
Subject: physics, history of science
Pages: 320
Original title: *Di cose visibili e invisibili. Dall'atomo al quark, viaggiando nelle immagini della materia* (July 2023)

For readers of:
***The Particle at the End of the Universe* (Sean Carroll)**

ENGLISH SAMPLE AVAILABLE

Giorgio Chinnici

THE MIRROR OF TIME

Symmetries, inversions and laws of physics

The mirror fascinates us because of its ability to duplicate things, even people, even ourselves. But what exactly does the mirror do, and why does it reverse right with left but not top with bottom? Would it be possible to explain to an extraterrestrial civilization what we mean by left and right? The mirror is also often associated with an ideal of beauty that goes well with what it represents in geometric terms: symmetry. **Symmetry conveys a sense of harmony and balance, and which we are accustomed to considering it a cornerstone of nature, but modern physical research has discovered that not all symmetries are universal, and has opened up a new, vast and fascinating meaning of symmetry.** What happens if we go from the real world to the mirror world, or if we reverse the arrow of time? Do natural laws continue to hold in both directions, or can they return a counterpart that does not exist in nature? If we then descend to the fundamental level of the world, that of the elementary particles that make up the world and where quantum physics applies, we find that physical phenomena due to weak nuclear interaction inherently distinguish right from left. We also find that, in addition to space and time, even matter has a mirror in which to reflect itself, antimatter. Mirrors upon mirrors, linked together and bringing back millennia-old questions: what is time? Can the speed of light be exceeded? Can one travel through time? Can causality be violated? Giorgio Chinnici tackles this and other questions, unveiling highly suggestive phenomena such as relativity of simultaneity, time dilation or the Twin paradox, also exploiting references to literature and cinema. And showing us that the relationship between symmetry and asymmetry is as complex and fascinating as it is fundamental to the structure and functioning of the world.

Giorgio Chinnici is a physicist and electrical engineer. He has published numerous popular science books, all with Hoepli, including *Turing. L'enigma di un genio* (2016), *Guarda caso. I meccanismi segreti del mondo quantistico* (2017), *Il labirinto del continuo. Numeri, strutture, infiniti* (2019) e *Il sogno di Democrito. L'atomo dall'antichità alla meccanica quantistica* (2020). For Codice edizioni he published *Il segreto del nucleo* (2023).

Text, illustrations
Subject: **physics**
Pages: 256
Original title: **Lo specchio del tempo** (2025)

For readers of: **The New Ambidextrous Universe** (Martin Gardner); **Symmetry and the Beautiful Universe** (Leon Lederman and Cristopher Hill); **Time Travel** (James Gleick); **About Time** (Paul Davies)

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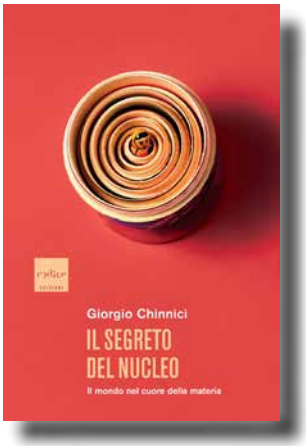

Giorgio Chinnici

THE SECRET OF THE NUCLEUS

The world at the heart of matter

A book on the fundamental component of the atom, in which scientific concepts are framed against a historical and philosophical background

The nucleus is a tiny dot at the center of the atom, of which it possesses almost all the mass. A seemingly insignificant speck that actually conceals a whole world. In the nucleus take place the interactions that give rise to the three types of radioactivity we know, as well as the fission and fusion to which we owe the energy produced in the Sun and other stars. The very existence of carbon, the element underlying organic molecules, rests on the structure of the nucleus. **Giorgio Chinnici leads us to discover the secrets of the atomic nucleus - and the stories of the great scientists who have studied it - filling a gap in the landscape of popular science.**

Giorgio Chinnici is a physicist and electrical engineer. He has published numerous popular science books, all published by Hoepli, including *Turing. L'enigma di un genio* (2016), *Guarda caso. I meccanismi segreti del mondo quantistico* (2017), *Il labirinto del continuo. Numeri, strutture, infiniti* (2019) e *Il sogno di Democrito. L'atomo dall'antichità alla meccanica quantistica* (2020).

Text, no illustrations
Subject: physics
Pages: 176
Original title: *Il segreto del nucleo. Il mondo nel cuore della materia* (January 2023)

For readers of:
***The Atom* (Jack Challoner)**

ENGLISH SAMPLE AVAILABLE

click here for the complete press review: *https://www.codiceedizioni.it/libri/il-segreto-del-nucleo/rassegne/*

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Matteo Serra

Where is physics going?

Eleven interviews on the present and the future of research

The most promising and fascinating developments in physics, seen through the human and professional eyes of some of the researchers who are playing (and will play) a leading role in the physics of this first half of the century.

status: manuscript available upon request (language: Italian)
265 pages, text (no illustrations)
subject: physics
original title: *Dove va la fisica? Undici dialoghi sul presente e il futuro della ricerca* (February 2022)

Physics research is increasingly running at high speed, not only in the pursuit of major new fundamental discoveries in the wake of the most recent ones (such as the Higgs boson and gravitational waves), but also with more strictly practical and applicative objectives, in areas that are now at the forefront such as complex systems, quantum information or the search for new materials. Without forgetting the crucial role played by physics in support of sectors such as biology and climate studies, under the banner of a crucial feature of contemporary science: multidisciplinarity. In order to recount these frontiers of research, scientific journalist Matteo Serra spoke with eleven brilliant researchers, who try to imagine what could happen in the future starting from their work in the present. All enriched by personal stories and deep reflections on the very meaning of being a researcher in physics today

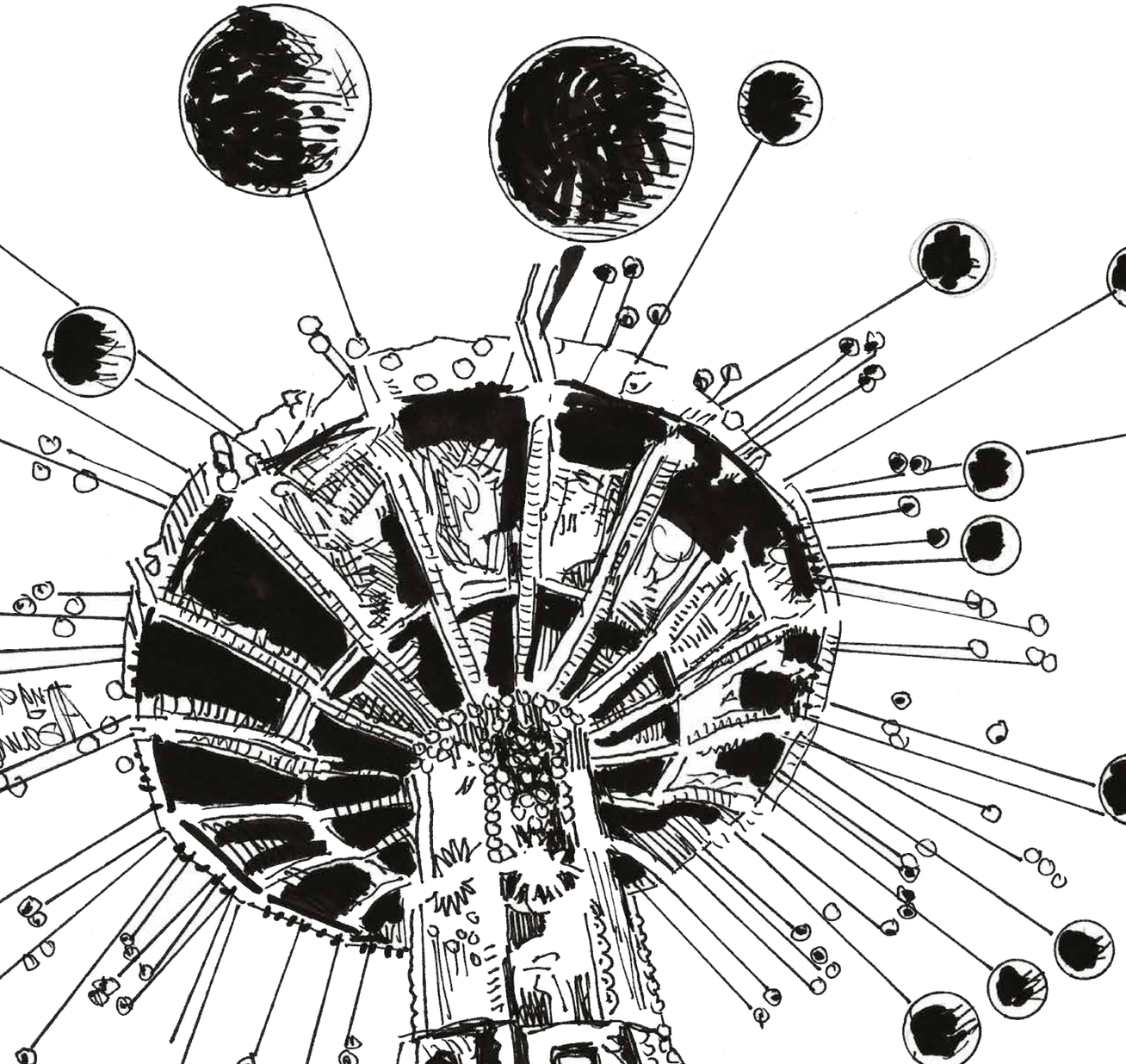
Chapters

Theoretical Physics: Paolo Pani (La Sapienza University, Roma)
Complex systems: Jesús Gómez-Gardeñes (Group Of THeoretical & Applied Modeling, University of Saragoza)
Particle physics: Lesya Shchutska (CERN, Geneva)
Astrophysics: Pratika Dayal (Groningen University, Groningen)
Physics and climate change: Elisa Palazzi (University of Torino
Superconductivity: Ranga Dias (University of Rochester, Rochester)
Astronomy: Marta Burgay (University of Cagliari)
Dark Matter: Karoline Schäffner (*Gran Sasso* Science Institute, L'Aquila)
Physics and biology: Pietro Faccioli (University of Trento)
Quantum computing: Anna Grassellino (Quantum Materials and Systems Center, Fermilab, Chicago)
Metrology: David Hume (National Institute of Standards and Technology, Boulder)

The author
Matteo Serra is a physicist, science journalist and freelance science communicator. After a brief experience as a researcher in the field of theoretical physics, from 2017 to 2021 he worked at the Fondazione Bruno Kessler in

Trento, where he coordinated a project on science communication and participatory research. He writes for "Le Scienze" and other national newspapers.

Press review: click here for the press review.



Text, illustrations (black and white illustrations, made by the author)

Subject: astronomy, cosmology, astrophysics, history

Pages: 400

Original title: *Domicili cosmici* (October 2022)

For readers of:

- **The Human Cosmos (Jo Marchant)**

Angelo Adamo

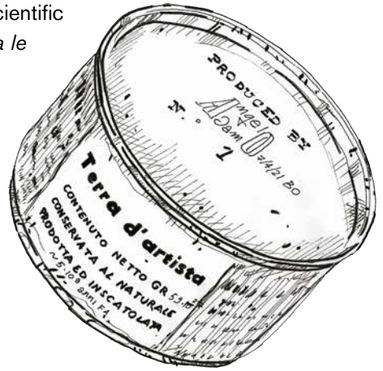
A HOME IN OUTER SPACE

Distant planets at the edge of the gaze

An illustrated book on the evolution of the concept of planet, from its origins to the present day; between geology, astronomy, literature and cinema.

«Planet» is a term that never seems to require clarification: it appears so obvious; trivial, almost. Yet it recalls an image whose meaning – between space diasporas, escapes and sci-fi-flavored moves capable of altering the meaning and value of a concept as simple and common as it is vague – has changed over and over again throughout history, from its origins to the present day. In *A home in outer space*, astrophysicist, popularizer, cartoonist and musician Angelo Adamo collects and organizes a great number of ideas borrowed not only from geology, astronomy and his own personal story, but also from literature, poetry and cinema, to retrace the stages of this continuous transformation. And he does so by enriching the text with his original and evocative plates, true drawn calembour, which are interwoven with the puns and mathematical expressions scattered throughout the text. The result is almost an anthology, an illustrated compendium of astronomical philosophy that chronicles a cultural evolution made up of ideas, hypotheses, suggestions, stories, experiments, simulations. And hopes.

Angelo Adamo is a researcher at IASF/INAF in Palermo, a musician, a cartoonist-illustrator, and a performer. He released seven musical albums and participated in works by artists from the pop, jazz, blues, classical and house scenes, he has illustrated books, published scientific articles and written (and illustrated) *Pianeti tra le note* (Springer, 2009), *Storie di Soli e Lune* (Giraldi, 2009), *La pazza scienza* (Sironi, 2017; with Luca Perri) and *Stelle di neutroni* (series “Viaggio nell’universo,” RCS Mediagroup, 2019).



Vittorio Pellegrini

THE JOURNEY OF THE ELECTRON

Text, no illustrations

Subject: physics, history of science

Pages: 240

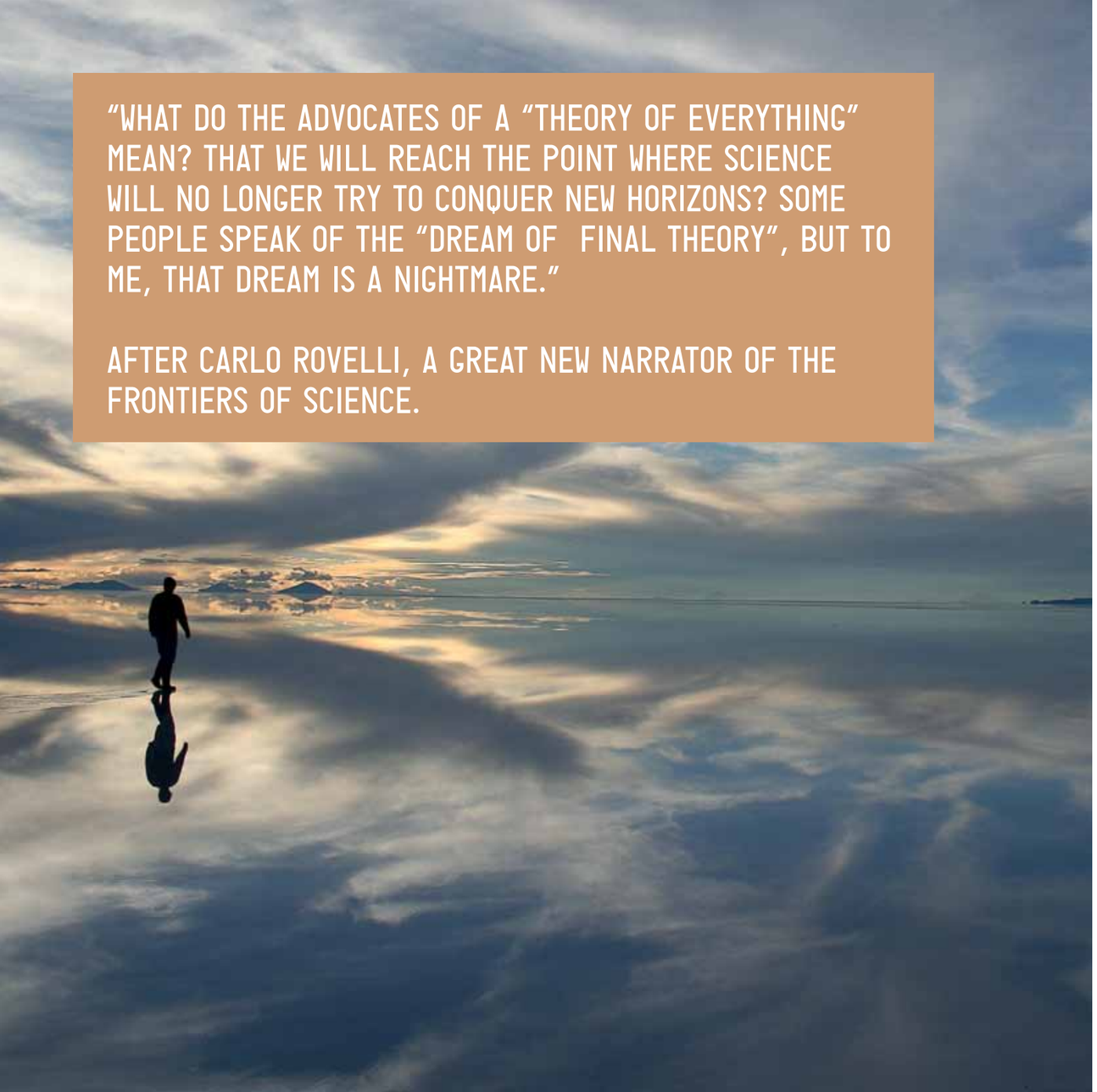
Original title: *Il lampo dell'elettrone. La scoperta e la storia di un corpuscolo che ha cambiato la nostra vita* (2021)

For centuries, the atom represented the constitutive elementary fragment of matter. But in 1987, an English scientist revealed that a corpuscole two thousand times smaller than the atom is responsible for the electrical signals propagation. J.J. Thomson introduced the electron to the world, and started one of the most compelling chapters of the history of human progress. In a journey started less than a century ago, the electron changed, adapting to new knowledge and new scientific rules, and allowing the rise of the technologies that changed our lives, such as transistors, laser and X-rays. Vittorio Pellegrini takes us to this extraordinary journey and promises: the best is yet to come.

Vittorio Pellegrini graduated in Physics at the Scuola Normale Superiore of Pisa, and worked in several univestities and research institutes. He is the author of almost 200 scientific papers published in important international scientific journals. He also owns almost 200 patents.

Foreign sales: Audio (Storyside)

Click here for the complete press review: https://www.codiceedizioni.it/libri/il-lampo-dellelettrone/rassegne/



"WHAT DO THE ADVOCATES OF A "THEORY OF EVERYTHING" MEAN? THAT WE WILL REACH THE POINT WHERE SCIENCE WILL NO LONGER TRY TO CONQUER NEW HORIZONS? SOME PEOPLE SPEAK OF THE "DREAM OF FINAL THEORY", BUT TO ME, THAT DREAM IS A NIGHTMARE."

AFTER CARLO ROVELLI, A GREAT NEW NARRATOR OF THE FRONTIERS OF SCIENCE.

GIOVANNI AMELINO-CAMELIA

BEYOND THE HORIZON

REFLECTIONS ON THE FRONTIERS OF PHYSICS

TEXT, NO ILLUSTRATIONS

SUBJECT: PHYSICS

PAGES: 176

ORIGINAL TITLE:
OLTRE L'ORIZZONTE (2017)

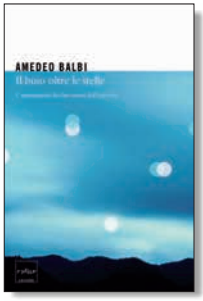
The current horizon of our knowledge of physics is also the line of separation between those who believe that we are now in the condition to be able to deduce "everything" and those who, on the other hand, expect that beyond that horizon we will encounter natural phenomena which at the moment are unimaginable. It is interesting that these two attitudes also correspond to two phases in the career of Einstein: between 1905 and 1917 he produced an impressive series of discoveries and theories, through a curious and humble approach to nature, while in later years he adopted a more arrogant approach and made no other significant discovery. This book by Giovanni Amelino-Camelia is not, or at least not only, the umpteenth book about Einstein. It is an act of love for scientific thought, alien to the imaginary "theories of everything" which claim to exhaust man's thirst for knowledge, but which is capable of fuelling the amazement with which man defies the horizon of his knowledge.

Giovanni Amelino-Camelia is a theoretical physicist who graduated from the Federico II University of Naples, He completed his doctorate at Boston University, was then a researcher at MIT, at Oxford University, at the Université de Neuchâtel, at the CERN and at the Sapienza University of Rome. He has received awards from the Accademia dei Lincei and from the Gravity Research Foundation and has national responsibility for the Specific Initiative for the Italian National Institute of Nuclear Physics.

Amedeo Balbi

The darkness beyond the stars

The exploration of the dark side of the universe



Original title:
Il buio oltre le stelle. L'esplorazione dei lati oscuri dell'universo

pages: 207
subject: *astrophysics*

Centuries ago, the first observers who looked up and began to scrutinize the sky could not imagine what was hidden behind what little that could be seen with the naked eye. Since then, mankind has achieved extraordinary results, exploring the remotest depths of the cosmos, and drawing a very clear picture of the structure of the universe. Yet in some ways, our situation today is not so very different from that of those early observers. After all the roads traveled, after all the discoveries and advances, astronomers know with certainty the physical nature of a limited portion of the universe, only 5% of the total: just a drop within a darkness of which we can only sense the majesty and vertigo. What are energy and dark matter, the predominant components of the cosmos of which, so far, we have only indirect knowledge? Could these call into question the assumptions underlying the physical description and interpretation of the universe? There are still many secrets to be gleaned from the darkness of the night sky.

Amedeo Balbi is an astrophysicist who divides his time between a scientific career and publication. He is a researcher and associate professor at the University of Rome in Tor Vergata. He worked in Berkeley, California with George Smoot, and at the Jet Propulsion Laboratory in Pasadena. Currently he is participating in the Planck space mission. He has published *The music of the Big Bang* (Springer, 2007) and *Second star to the right* (De Agostini, 2010), . Since 2006, he has his own very popular blog (keplero.org).

pp. 232, ISBN 978-88-7578-190-3, euro 16,00
Rights sold: Book in a box Publishing House (South Koera)

technology, robotics, computer science

Giuseppe Anerdi, Paolo Dario

JOURNEY MATES

On robots, androids and more

«From the question "Will robots inherit the Earth?" begins this journey in the company of artificial creatures that little by little we learn to listen and get to know, talking about their possible ambitions and their hopes. Which are then also ours, if we know how to use them responsibly.»

For a long time, the dream of creating intelligent artificial creatures similar to us has stimulated the challenges of engineers, enriched the speculations of philosophers, aroused the concerns of sociologists and bioethicists and exalted the creativity of novelists and filmmakers. Using their research experience and with the spirit of the "humanist" engineer, attentive both to the achievements of science and technology and to the many facets of culture, Giuseppe Anerdi and Paolo Dario propose a path together with these fellow travellers, in a journey between science and science fiction. Some of these fellow travellers are already a part of our daily lives, and we are hardly aware of them. Others, perhaps more extravagant, will be added along the way, suggesting that maybe some techno-utopias are not just journeys into the imagination of the post-human: already today there are those who believe in them, have planned them and dedicated significant financial resources by committing their credibility. It will be up to us to govern these authentic companion robots, shaping and directing their talents, so that it is legitimate to imagine an alliance between the human species and intelligent machines to face together the great challenges of knowledge, dignity and defense of the planet.

Text, illustrations (black and white)

Subject: technology, robotics

Pages: 304

Original title: *Compagni di viaggio* (January 2022)

Giuseppe Anerdi is a nuclear engineer with a master's degree in cognitive science. He carried out his research activity between academia and industry, working with some of the most important centers of excellence. At the Scuola Superiore Sant'Anna in Pisa he founded and directed the EZ-Lab, a research center dedicated to robotic technologies to support longevity, now integrated in the Institute of Biorobotics.

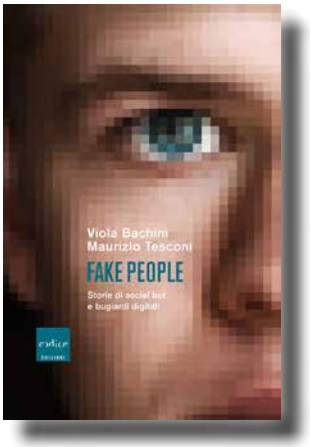
Paolo Dario is a mechanical and biomedical engineer, and one of the most prominent figures of world robotics. He is professor emeritus of biomedical robotics at the Scuola Superiore Sant'Anna in Pisa, where he founded and directed for years the Institute of Biorobotics. He is a permanent member of the IEEE, and boasts a vast scientific production with numerous patents. He has received several national and international prizes and awards, including the prestigious Joseph Engelberger Award and the IEEE Ras Pioneer Award.

Viola Bachini, Maurizio Tesconi

FAKE PEOPLE

Stories of Social Bots and Digital Liars

From the Microsoft racist bots to the trolls of the US presidential campaign up to the false followers of Italian politicians, *Fake people* tells the story of one of the most controversial phenomena of social media.



Text, illustrations (black and white)

Subject: current affairs, technology

Pages: 176

Original title: *Fake people. Storie di social bot e bugiardi digitali* (2020)

Today, on the social media, there is a very high probability of coming across a false profile. As well as individuals who do not state their own identity, social bots can be encountered: these are automated programs which hide algorithms that are so sophisticated that they cannot be distinguished from people in flesh and blood. The social bots, used for a huge variety of purposes, are not all the same: there are the 'good' ones, which for example automatically send a tweet in the case of an earthquake, but there are also less virtuous ones… This book tells the story of this variegated universe: from the Microsoft racist bots to the trolls in the US presidential campaign up to the false followers of Italian politicians, via the swindle of the algorithm which shot up the price of the shares of a phantom company to the stars. It is a fascinating account accompanied by interviews with the most important professionals in the sector, to reveal the challenges faced by those who create the bots and those who hunt them down.

Viola Bachini is a scientific communicator, author and writer of school textbooks. She works with universities to disclose research results.

Maurizio Tesconi is an expert in cyber intelligence, a hunter of social bots and in charge of the WAFI (Web Application for the Future Internet) laboratory of the CNR (Italian Research Council).

- **Winner of the Premio nazionale di divulgazione scientifica Dosi (category E, Scienze giuridiche, economiche e sociali)**
- **Foreign sales: Serbian (Informatika)**

Click here for the complete press review: https://www.codiceedizioni.it/libri/fake-people/rassegne/

Bruno Codenotti, Mauro Leoncini

THE SILENT REVOLUTION

The Great Ideas that Led to the Digital Revolution

Bruno Codenotti and Mauro Leoncini tell us the great "silent revolution" that led to the lifechanging computer revolution, because even if algorithms and AI are part of our daily life... do we really know how they were created and how they work?

Text, illustrations (black and white)

Subject: Mathematics, IT

Pages: 246

Original title:
La rivoluzione silenziosa. Le grande idee dell'informatica alla base dell'era digitale (2020)

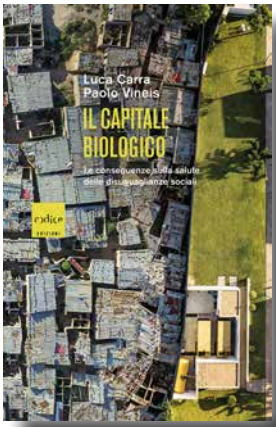
The noisy revolution of digital technology was preceded by a silent scientific revolution, which produced important results, raised fundamental questions and transformed the way we interpret notions that concern mathematical demonstration, the representation of information and human creativity itself. Understanding this transformation is the first fundamental step towards a greater awareness with regard to the changes generated by the digital age in which we are living.

Bruno Codenotti is a writer and teaches Information Technology at the Institute of Information Technology and Data Communication at the CNR (Italian Research Council) Pisa.

Mauro Leoncini is professor of Information Technology at the Institute of Information Technology and Data Communication at the CNR (Italian Research Council) Pisa.

Click here for the complete press review: https://www.codiceedizioni.it/libri/la-rivoluzione-silenziosa-bruno-codenotti-mauro-leoncini/rassegne/

medicine,
genetics,
neuroscience



Text, illustrations and tables (black and white)

Subject: current affairs, medicine

Pages: 176

Original title: *Il capitale biologico. Le conseguenze sulla salute delle diseguaglianze sociali* (2022)

Click here for the complete press review: https://www.codiceedizioni.it/libri/il-capitale-biologico/rassegne/

For readers of:

- **The Political Determinants of Health (Daniel E. Dawes),**
- **To Repair the World (Paul Farmer)**

Luca Carra, Paolo Vineis

BIOLOGICAL CAPITAL

Social inequalities and health consequences

Social and economic inequalities are visible everywhere and have enormous effects on health, but little is done to mitigate them. This book is a first response to the marks that inequities leave on people's bodies.

We are living longer and longer, but not with the same level of health. When we talk about inequality, we mainly focus on biographical aspects such as educational qualification, work or income; in short, economic capital, social capital and cultural capital, as sociologist Pierre Bourdieu called them. The life course of each individual, however, is the result not only of his biography, but also of the marks that this biography leaves on his or her body. Today we know many of these biological imprints – chronic stress response mechanisms, reduced immune function, processes of physiological wear and tear, epigenetic modifications – but the process that translates social phenomena into biological phenomena remains an under-explored continent. Biological Capital is a journey into the health consequences of social and economic inequalities, straddling biology, epidemiology, medicine, sociology, and anthropology. Understanding the importance and functioning of our biological capital is in fact the first step in demonstrating that healthy aging is a possible goal for everyone.

Luca Carra is a science journalist specialized in environment and health, and teaches at Bicocca University (Milan) and SISSA (Trieste). He has collaborated with numerous Italian newspapers and magazines, and published several books.

Paolo Vineis is full professor of Environmental Epidemiology at Imperial College London. His research focuses on environmental and molecular epidemiology and has more than a thousand publications to his credit in journals such as "Nature," "Science" and "The Lancet" and published several books. For Codice edizioni he has already published *Equivoci bioetici* (2006), *Lost in translation* (2011) and *Salute a tutti i costi* (2021, new revised edition).

English sample available

Text, no illustrations

Subject: medicine, current affairs

Pages: 240

Original title: *Salute a tutti i costi. La sostenibilità della ricerca farmaceutica tra ambiente, economia e società* (2022)

Click here for the complete press review: https://www.codiceedizioni.it/libri/salute-a-tutti-i-costi/rassegne/

For readers of:

- **Sick Money (Billy Kember),**
- **Ethics and the Pharmaceutical Industry (Michael Santoro and Thomas Gorrie)**

Nicole Ticchi

HEALTH AT ALL COSTS

The sustainability of pharmaceutical research between environment, economy and society

A book about the impact that pharmaceutical research has on the environment and society globally.

How long does it take to discover a cure? A lot of time and a lot of money, no doubt, but the economic aspect is not the only one to be considered. Pharmaceutical research, like all production sectors, also has an impact from an environmental point of view, since it requires a large amount of resources and produces, in turn, large amounts of waste that must be managed and that goes to occupy a space (in a way that is not always visible) on our planet. Not to mention the social and ethical impact, which depends on factors such as the sourcing of raw materials, the rights of workers in the sector, the accessibility of medicines, and the choice of which diseases to treat. The set of actions put in place to preserve our health thus has many environmental and social consequences, which in turn affect health itself. After an exploration of the three aspects of sustainability in the world of pharmaceutical research, including problems to be addressed and solutions put in place, Nicole Ticchi recounts possible room for improvement and factors that can be invested in to find a compromise between economic costs and the need to limit damage.

Nicole Ticchi is a pharmaceutical chemist and science communicator. She has done industrial research in pharmaceuticals and cosmetics and is now involved in medical writing and communication for entities working in the field of innovation for health and wellness. She is president of She is a scientist, an association for the promotion of gender equality in science and research.

English sample available

Paolo Vineis

GLOBAL HEALTH, COMMON GOOD
(new revised edition)

Text, no illustrations

Subject:
global health, epidemiology, climate change

Pages: 160

Original title:
Salute senza confini
(2020, new revised edition)

In 2014, epidemiologist Paolo Vines described how in a globalized and constantly changing world, where it is easier to travel but which is also more chaotic and difficult to control, the concepts of health and illness are changing: they are no longer simple biological processes but complex phenomena which involve the environmental, social, economic, political and cultural spheres.With a new chapter dedicated to Covid-19, *Global health, common good* explains that today, climate change, migratory flows, the economic crisis and the industrialization of food production are fundamental phenomena in order to understand the state of well-being (or illness) of populations, and offers a strong argument on the political level: in such a mobile and articulated panorama, health at global level could be going towards a deterioration similar to what happened in 2008 with the economy.

Paolo Vineis is a professor at Imperial College, London, where he teaches Global Health, and conducts research on the environmental causes of cancer and the effects of climate change. For Codice edizioni he has already published *Equivoci bioetici* (2006) and *Lost in translation* (2011).

- **Foreign sales: English (Springer)**

Click here for the complete press review: https://www.codiceedizioni.it/libri/salute-senza-confini-nuova-ed-2020-paolo-vineis/rassegne/

Andrea Grignolio

WHO'S AFRAID OF VACCINATIONS?
(new revised edition with a chapter dedicated to covid-19 vaccination)

Text, no illustrations

Subject: medicine, immunology, health

Pages: 200

Original title:
Chi ha paura dei vaccini?
(2021, new revised edition)

The dangerous decline in vaccinations in many developed countries is at the centre of a lively debate which confirms how crucial this subject is today. Vaccinations are amongst the most important scientific discoveries for the human race, yet they continue to be considered with suspicion by part of public opinion, the victims of campaigns of disinformation, instrumentalization and unfounded fears. These irrational beliefs, however, have an evolutionary explanation, without which it will be difficult to solve the growing social opposition. This book, which throws light on to the safety and importance of vaccinations, is for both parents and those who want to understand the role of vaccinations in contemporary society, where the easy access to knowledge is both a great opportunity and a great responsibility. The chapters follow a historical narration and conclude with a discussion of the most recent cognitive theories to tackle this resistance to vaccinations.

Andrea Grignolio teaches History of Medicine at the Sapienza University of Rome and carries out research on the history of vaccinations at the Université François Rabelais of Tours. He has had an international education, which has taken him from Paris to Boston to Berkeley. He has published in national and international journals and writes for "La Repubblica" and "La Stampa".

- **In the final selection of the two main Italian prizes for science books: Premio Galileo and Premio Nazionale per la Divulgazione**
- **Foreign sales: English (Springer), Slovene (Založba /*cf.), Russian (Bombora/EKSMO), Estonian (Argo)**

Click here for the complete press review: https://www.codiceedizioni.it/libri/chi-ha-paura-dei-vaccini/rassegne/

Text, no illustrations

Subject: medicine, genetics

Pages: 272

Original title: *La vita inevitabile. Diari di viaggio di un Replicante alla ricerca della Vita* (2022)

Click here for the complete press review: https://www.codiceedizioni.it/libri/la-vita-inevitabile/rassegne/

For readers of:

- **The Tangled Tree (David Quammen)**

Pier Paolo Di Fiore

INEVITABLE LIFE

Travelogues of a Replicant in search of Life

«Can we understand the meaning of a story from its ending? If the answer is "no," why should the story of Life be an exception?»

What was the first common ancestor of all living things? How did the first cells and then complex organisms form? In short, what do we know – or rather, what do we think we know – about the origin of life? Pier Paolo Di Fiore answers these questions from the chemical, biological, and evolutionary perspectives, telling a story that began billions of years ago and is narrated by an exceptional protagonist: the Replicant, a biochemical entity progenitor of DNA that emerged from lifeless matter and was able to replicate itself. Through his wry and detailed voice, we are taken on a journey back in time: from the life we know today to proto-cells (via viruses), from stardust to the self-assembly of the first "biological building blocks," from the relationship between replication and metabolism to the concepts of circularity and complexity. A rigorous narrative fiction whose surprising final assumption is that the emergence of life – not that of us humans, but of life in general – was inevitable, given the chemical and physical nature of the molecules involved in this process and the environment of which they are a part.

Pier Paolo Di Fiore is full professor of General Pathology at the University of Milan and director of the "Novel Diagnostics Program" at the European Institute of Oncology. From 1984 to 1995 he worked in the United States at the National Cancer Institute. He is a member of the European Molecular Biology Organization and of the Accademia dei Lincei. He published hundreds of papers in leading international scientific journals, including "Science," "Nature" and "Cell." In 2020 he published *Il prezzo dell'immortalità* (Il Saggiatore).

English sample available

Cinzia Pozzi

FOREIGN BODIES

Living with pacemakers and other devices under your skin

«Slowing down progress in medicine makes little sense; instead, it would be appropriate to evolve the sociocultural context in which this runaway train is rapidly making its way. Starting, perhaps, precisely from the everyday life I have recounted here.»

Monica recharges before leaving the house to avoid being paralyzed by pain. Antonio keeps Parkinson's motor symptoms at bay with a remote control. Zack and Dylan, in class, connect via Bluetooth to the voices of classmates. That of those living with pacemakers, implantable cardiac defibrillators, cochlear implants and Deep Brain Stimulation systems is a different kind of everyday life, one that more and more people are having to deal with. While the media, manufacturers, and experts talk only about innovation, Cinzia Pozzi flips the vantage point and tells the stories of the people who rely on these devices: how do you adapt to a body made not only of flesh and bone? Does one need to do maintenance? And how is one perceived by society after receiving the implant? Through the voices of patients, amid scientific evidence and pilot projects, *Foreign Bodies* outlines a scenario of individual and collective challenges, ethical dilemmas, and much misinformation; but it also invites us to reflect on the limits of the use of technology in medicine, the importance of patients' active collaboration in the care journey, and how much we are willing to trust progress in the hope of getting better.

Cinzia Pozzi, a biologist by training, is a science journalist specialized in health and innovation. She is the editorial manager for a scientific society.

Click here for the complete press review: https://www.codiceedizioni.it/libri/corpi-estranei/rassegne/

Text, no illustrations

Subject: medicine

Pages: 224

Original title: *Corpi estranei. Convivere con pacemaker e altri dispositivi sottopelle* (June 2022)

For readers of:

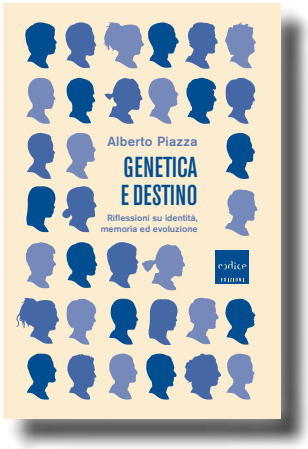
- **The body. A guide for occupants** (Bill Bryson),
- **Hybrid Humans. Dispatches from the frontiers of man and machine** (Harry Parker)

Alberto Piazza

GENETICS AND DESTINY

On Identity, Memory and Evolution

«It is said that cultural identity evolves the same way the biological identity evolves, but cultural identity is like a phoenix: we do know it exists, but we don't know where it is.»



Genetics is often associated with the concept of destiny, considering certain determinist interpretations of the role played by genes that have been developed. Reality, however, is far more complex, and *Genetics and Destiny* explores the biological, moral and cultural identity of the human being, finding that space where biology, philosophy, literature and medicine meet. From Primo Levi to Mozart, form Charles Darwin to Achille Campanile, geneticist Alberto Piazza delivers a passionate work about identity, memory and ethics.

Alberto Piazza (1941-2024) was Professor Emeritus of Human Genetics at the University of Turin. He worked with Luca Luigi Cavalli-Sforza, with whom he published the fundamental *Storia e geografia dei geni umani* (Adelphi, 1997).

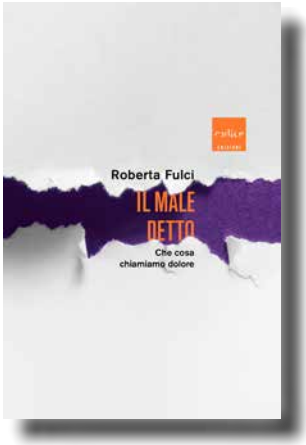
Press review: https://www.codiceedizioni.it/libri/genetica-e-destino/rassegne/

Text, illustrations (black and white)

Subject: genetics, philosophy, literature, history, evolutionary theory

Pages: 176

Original title: *Genetica e destino. Rflessioni su identià, memoria ed evoluzione* (2020)



Text, no illustrations

Subject: medicine, neuroscience

Pages: 160

Original title: *Il male detto. Che cosa chiamiamo dolore* (2023)

Click here for the complete press review: https://www.codiceedizioni.it/libri/il-male-detto/rassegne/

For readers of:

- **The Song of our Scars (Haider Warraich);**
- **The Body Keeps the Score (Bessel van der Kolk)**

Roberta Fulci

PAIN, EXPLAINED

A rich and surprising investigation of a topic that is as complex as it is universal in our lives.

Imagine having to explain what physical pain is to a person who has never experienced it in his or her life. What would you say? This is the first of many questions that guide science journalist Roberta Fulci in her investigation into the nature of pain. Can pain be measured? Can it be considered meaning? Was it experienced differently in the past? What evolutionary significance does it have? Does our idea of pain change with experience, environment, language, culture? Each answer opens new perspectives and new questions that always revolve around the central question: what do we call pain? Roberta Fulci spoke with key players in pain research, approaching the topic with panache and engaging writing that sets aside the academic approach to weave together the most diverse stories: from the researcher who collects deadly insect bites to the octopus who chooses sides, to the neuroscientist who laughingly shows off her "torture room."

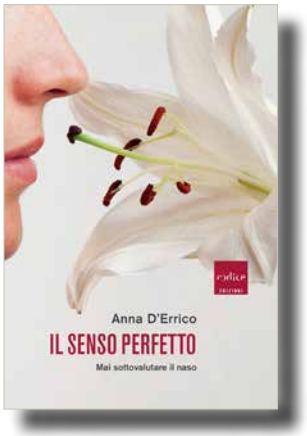
Roberta Fulci is a science journalist, editor and host of Radio3 Scienza. She holds a degree in Mathematics from La Sapienza University in Rome, a PhD in Algebra and a master's degree in Science Communication from SISSA (Trieste). She writes for "Il Tascabile," has collaborated with Zanichelli and "Le Scienze," and published the book *Ragazze con i numeri* (Editoriale Scienza, 2018; with Vichi De Marchi).

English sample available

Anna D'Errico

THE PERFECT SENSE

Never Underestimate the Nose



Text, illustrations (black and white)

Subject: neuroscience

Pages: 240

Original title: *Il senso perfetto. mai sottovalutare il naso* (2019)

For readers of:

- **Smellosophy: What the Nose Tells the Mind (A. S. Barwich)**

The Department of Defence of the United States has been working for years on a weapon of attack (but not fatal) based on odours that can create panic. In 2018 Global Industry Analysts estimated at $45 billion the annual turnover of the fragrance industry. In short, what revolves around our noses is apparently a serious matter. But how does this sense of ours, which is so refined and complex and instinctive and emotional at the same time, work? How do odours influence our everyday lives? Why do we have two nostrils? Is it true that more than 10,000 different odours can be smelt? What is olfactory marketing? Will digital odours exist one day? From scientific research to lots of odd facts, Anna D'Errico takes us on a journey to discover the talents of the human nose, describing qualities that are little known and debunking some myths such as the idea that man has a little developed sense of smell.

Anna D'Errico is a neuroscientist, science popularizer and performer. Specializing in olfaction and neural circuits, since 2010 she has been studying the olfactory component in art and performance and develops projects of olfactory art, training and dissemination. Her Instagram account is @il_senso_perfetto and her website is *neurosmellist.com*.

Shortlisted for the most important Italian prize for popular science books: Premio Galileo

Foreign sales: Turkish (İletişim)

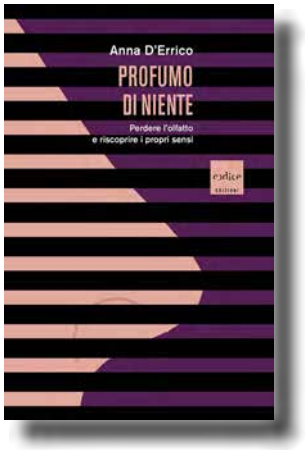
Click here for the complete press review: https://www.codiceedizioni.it/libri/il-senso-perfetto/rassegne/

Anna D'Errico

SCENT OF NOTHING

Losing your sense of smell and rediscovering your senses

«We should talk about 'alteration' of the sense of smell, rather that "loss": the loss sanctions a void, while alteration opens to transformation, a perspective of change that can appear frightening, but which is also (re) discovery.»



There are those who cannot smell from birth, those who perceive odours in an altered way and those who have lost their sense of smell due to an accident or an infection, as in the case of Covid-19. These people are not few: they are about the 5 percent of the world's population, a percentage that rises to about 20 percent above the age of 60, and exceeds 60 percent from 70 years onwards. Yet they go unnoticed. *Scent of nothing* discusses that absence, the link between the sense of smell and our habits, but from the perspective of those who cannot smell. What do we lose when we lose our sense of smell? What does it feel like? Is it realistic to think about prosthetic sniffers? And do olfactory training kits really work? Combining scientific studies, individual stories, and small sensory exercises, Anna D'Errico offers essential, understandable information for those who, living in a world without smell, may feel lost or scared. At the same time, she reveals how our perceptual system is more complex and integrated than we imagine, showing us the importance of an ancient and still mysterious sense.

Text, no illustrations

Subject: neuroscience

Pages: 192

Original title: *Profumo di niente. Perdere l'olfatto e riscoprire i propri sensi* (November 2021)

For readers of:

- **Coming to our senses (Susan R. Barry)**

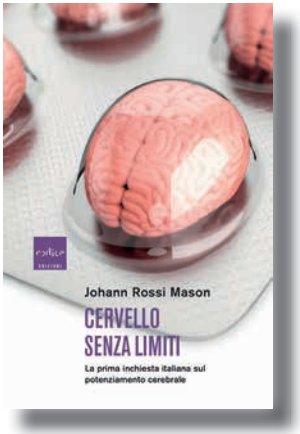
Anna D'Errico is a neuroscientist, science popularizer and performer. Specializing in olfaction and neural circuits, since 2010 she has been studying the olfactory component in art and performance and develops projects of olfactory art, training and dissemination. Her Instagram account is @il_senso_perfetto and her website is *neurosmellist.com*. Her first book, *Il senso perfetto. Mai sottovalutare il naso* (Codice edizioni, 2019), made the podium at the 2020 Premio Galileo for popular science books.

Foreign sales: Audio (Storyside)

Click here for the complete press review: https://www.codiceedizioni.it/libri/profumo-di-niente-anna-derrico/rassegne/

JOHANN ROSSI MASON

BRAIN, LIMITLESS
THE FIRST ITALIAN INVESTIGATIVE REPORT ON SMART DRUGS



Students, university professors, but also managers, pilots, surgeons: in recent years the use of nootropics – drugs created in order to improve mental faculties and keep up with modern society's rhythms – spiked so much that in US Ritalin had become a real blockbuster, worth 3 million prescription every month.
Some disapprove these substances, others warn of their danger, and finally others believe that society should accept their advantages, but only if proven by medical research.
From scientific research to lots of odds facts, Johann Rossi Mason delivers the first Italian investigative report on smart drugs.

Johann Rossi Mason is a scientific journalist specialized in neuroscience. She curates a blog on the "Huffington Post". *Cervello senza limiti* is her tenth book.

TEXT, NO ILLUSTRATIONS

SUBJECT: NEUROSCIENCE, CURRENT AFFAIRS, MEDICINE

PAGES: 224

ORIGINAL TITLE:
CERVELLO SENZA LIMITI.
LA PRIMA INCHIESTA
ITALIANA SUL
POTENZIAMENTO CEREBRALE
(2019)

history of science,
current affairs,
politics,
gender studies

Agnese Collino

THE TEN DIMES DISEASE

How polio changed our society

The story of a now-forgotten disease that changed the way society deals with major epidemics. Polio represents the prototype of many scientific and medical media events, and the first disease of contemporary society.

Text, illustrations (black and white)

Subject: history of medicine

Pages: 208

Original title: *La malattia da dieci centesimi* (June 2021)

Polio was not the most frequent or deadly disease of its time, but it became the greatest fear of Americans since the atomic bomb due to a major political push, the huge media attention and the strong impact of the disabilities it caused.
Agnese Collino traces the story of polio from the revolutionary charity campain started by Franklin Delano Roosevelt (who had himself contracted polio) to the superstar scientists, from the vaccine race to the birth of intensive care wards, and shows how the fight against polio created innovations that are still part of our everyday lives, and unveils how polio changed the relationship between science and society and our very definition of disease.

Agnese Collino is a molecular biologist and scientific supervisor at the Umberto Veronesi Foundation, one of the Italian leading centers for cancer research. She writes and organizes workshops and events about health.

Click here for the complete press review: https://www.codiceedizioni.it/libri/la-malattia-da-10-centesimi/rassegne/

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Text, no illustrations

Subject: history of science, politics, current affair

Pages: 208

Original title: *Ragione di Stato, ragione di scienza. Storie di scienza, spionaggio e politica internazionle* (January 2023)

Click here for the complete press review: https://www.codiceedizioni.it/libri/ragione-di-stato-ragione-di-scienza/rassegne/

For readers of:

- **Merchants of Doubt (Naomi Oreskes)**

Giacomo Destro

REASON OF STATE, REASON OF SCIENCE

Science, espionage and international politics

From the Osenberg list to the Wuhan wet market, exemplary stories to take a fresh look at science used as a tool for diplomatic and political relations.

It is said that the Roman empire's first ambassadorship to China brought as gifts to the celestial emperor turtle shells, precious stones, cloth, and ... a treatise on astronomy. Scientific knowledge has also always been used by societies as a means of relating to other communities, and since the second half of the nineteenth century science and international politics have become increasingly linked in a relationship that is as complex as it is symbiotic. *Reason of State, Reason of Science* traces the major global issues in which science is intertwined with relations between nations, such as environmental and energy issues and the ethical boundaries of research. And it does so by telling stories of scientists spying and being spied on, of space diplomacy and neocolonialism, of heinous crimes and international cooperation. An adventurous and evocative journey that will take us to the most significant places of scientific diplomacy, to understand how this topic is much closer to our everyday lives than we might imagine.

Giacomo Destro teaches science and international politics at SISSA and the University of Florence. He has collaborated with "Wired," "Il Tascabile" and "Oggiscienza" and with the Feltrinelli Foundation.

English sample available

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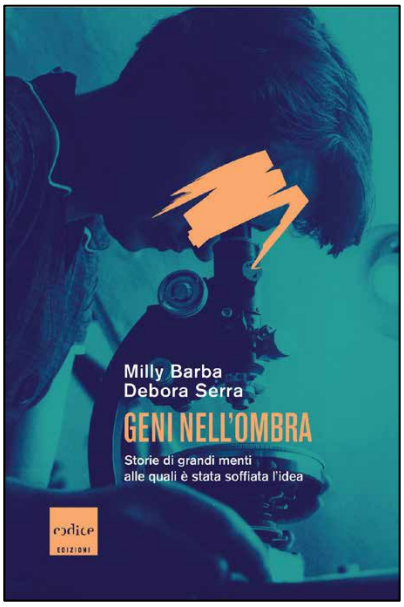


Milly Barba, Debora Serra

Geniuses in the shadows
Unknown stories of forgotten scientists

«This is the story of eighteen women and men who deserve to be known for what they have done and who, for a series of events, have become invisible. Great minds that have changed the destiny of mankind and that, for circumstances sometimes inexplicable, have fallen into oblivion or have remained in the shadows for a long time, "robbed" of their brilliant ideas and discoveries that have guaranteed fame and glory to others»

status: final pdf available upon request (language: Italian)
272 pages, text
subject: history of science
original title: *Geni nell'ombra. Storie di grandi menti alle quali è stata soffiata l'idea* (2021)

Thirty-five years before Alexander Fleming, Penicillin was studied by a scientist in Molise, southern Italy. Cephalosporins were discovered in a laboratory at the University of Cagliari, Sardinia, in the middle of WWII. And to whom do we really owe the revolutionary intuitions on nuclear fission? Eighteen stories and as many protagonists in a journey to discover the lives and works of great scientists who for historical reasons, personal events, gender issues and even for a series of unfortunate events have been denied the merits. True geniuses who with their scientific contributions have changed the history of mankind, and that for reasons sometimes unclear have ended up in the shadows, giving their fame to others. From chemistry to medicine, to biology, physics and mathematics, Milly Barba and Debora Serra trace the lives and discoveries of Trotula De Ruggiero, Antonio Meucci, Lise Meitner, Alfred Russel Wallace, Augusta Ada Byron, Vincenzo Tiberio, Rosalind Franklin, Giuseppe Brotzu, Susan Jocelyn Bell and others. Great minds united by lost genius, sometimes forgotten and now finally claimed.

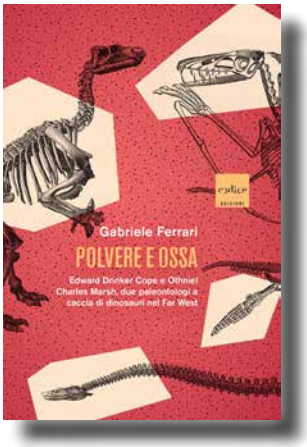
Chapters
Medicine: Trotula De Ruggiero, the first *sanatrix*
Mathematics: Al-Haytham, Umar al-Hayyam, Nasir al-Din al-Tusi, Omar Khayyam, Giovanni Girolamo Saccheri, Johann Heinrich Lambert, Johann Friedrich Carl Gauss, Frakas and János Bolyai, Nikolaj Ivanovič Lobačevskij and the non-Euclidean geometry
Chemistry: Carl Wilhelm Scheele and the "air of the fire"
Technology: Antonio Meucci, the man who invented the telephone
Computer science: Augusta Ada Byron, the first coder
Natural science: Alfred Russel Wallace and the other evolutionary theory
Medicine: Giovanni Battista Grassi and the fight against malaria
Astronomy: Williamina Paton Fleming, the lady of the stars
Genetics: Nettie Maria Stevens, the woman who discovered sex chromosomes
Medicine: Vincenzo Tiberio, who discovered Penicillin 35 years before Fleming
Physics: Mileva Maric, Einstein's wife and (probably) his hidden collaborator
Physics: Lise Meitner, the physics who worked in nuclear fission but "never lost her humanity"
Medicine: Giuseppe Brotzu and the discover of antibiotics
Chemistry: Erika Cremer, the unlucky pioneer of gas chromatography
Physics: Chien-Shiung Wu, the (hidden) queen of nuclear physics
Genetics: Rosalind Franklin, the woman behind the discovery of the DNA

Astronomy: Susan Jocelyn Bell, of pulsars and "Mathilda effect"
Chemistry: Nikolai Fedyakin and the rise and fall of the polywater

The authors

Milly Barba is an expert in creative writing, communication and marketing, for over ten years she has been working in science journalism, popularization and organization of national and international events. She writes about science and research for online newspapers and magazines.

Debora Serra is an expert in scientific communication. She writes about epidemiology and medicine in the websites of public institutions, about science and scientists for newspapers and online magazines. She also collaborates in European projects and realizes exhibitions, workshops and events for festivals.



Gabriele Ferrari

DUST AND BONES

Edward Cope and Othniel Marsh, two paleontologists hunting for dinosaurs in the Wild West

A book about a feud, adventures, politics, colonialism... but mostly about dinosaurs

One was Darwinist, the other Lamarckian. One was cold and aloof, the other explosive. One had been educated in America's best schools, the other wrote his first scientific paper before he even graduated. For fifty years in the late Nineteenth century, paleontologists Cope and Marsh competed to see who could accumulate the most fossils and publish the most studies, spending considerable amounts of money to do so; and to sabotage each other. **Gabriele Ferrari recounts the stages and protagonists of an increasingly fierce scientific and human rivalry that quickly degenerated into open conflict, involving explorers, soldiers, spies, generals, politicians and even Buffalo Bill** (as well as a brief cameo by General Custer...). A rivalry born not only of the clash between two opposing personalities, but also of the place where it developed. Set mostly in a dusty desert Far West, amid fossils, dynamite, and museums, ***Dust and Bones* is a deeply American story about the frontier and manifest destiny, colonization and genocide, but also about how capitalism decisively shaped the history of science.**

Gabriele Ferrari is a paleontologist with a parallel background in movie theory. He writes about science and movies (and occasionally the two together) in "Focus," "Oggi" and "Esquire," and on badtaste.it and i400calci.com. He has translated several science essays and written a middle grade science book, three books of movie criticism (about b-movies, Sylvester Stallone and monsters, respectively), and the setting for a role-playing game called *One More Quest*.

Text, illustration (BW maps)
Subject: history of science, paleontology, biography
Pages: 272
Original title: *Polvere e ossa. Edward Cope e Othniel Marsh, due paleontologi a caccia di dinosauri nel Far West*
(October 2023)

For readers of:
***The Rise and Fall of the Dinosaurs* (Steve Brusatte)**

ENGLISH PROPOSAL AND SAMPLE AVAILABLE

click here for the complete press review: *https://www.codiceedizioni.it/libri/polvere-e-ossa/rassegne/*

Mirella Orsi, Sergio Ferraris (eds)

FIRST

Ten female scientists for the environment

Ten stories of women who have made fundamental contributions to environmental science

When people talk about the environment, the first woman that comes to mind is Greta Thunberg. But if someone asked you the name of an environmental scientist, what would your answer be? From the "solar" inventions of Mária Telkes to Rachel Carson's *Silent Spring*, from Sylvia Earle's underwater explorations to the greenhouse effect theorized by Eunice Newton Foote, countless studies, discoveries and groundbreaking research conducted by women of science have marked a turning point in our understanding of nature. In this book, a group of women environmental communication professionals retrace ten of these pivotal moments through the lives and experiences of the women scientists who were protagonists. **Page after page, you will discover that behind the name of a flower there is an extraordinary adventure, read about a futuristic house in the woods, imagine the metamorphosis of butterflies, understand why we no longer use DDT, and find yourself in the African jungle at the height of the conflict between humankind and nature.**

The scientists in the book: Maria Sybilla Merian, Jean Baret, Eunice Newton Foote, Rachel Carson, Mária Telkes, Sylvia Earle, Dian Fossey, Laura Conti, Jane Goodall and Dana Meadows.

Sergio Ferraris is a science journalist who mainly covers the environment, energy, science and related social issues. He has worked with the UNHCR, Rai Educational and several Italian newspapers.
Mirella Orsi works in journalism and science communication, and collaborates with newspapers and science magazines in the UK and Italy.

Text, no illustrations
Subject: histoy of science, women and STEM, climate research
Pages: 208
Original title: *Prime. Dieci scienziate per l'ambiente*
(September 2023)

For readers of:
***Headstrong* (Rachel Swaby);**
***In the Shadow of Man* (Jane Goodall)**

ENGLISH SAMPLE AVAILABLE

click here for the complete press review: *https://www.codiceedizioni.it/libri/prime-dieci-scienziate-per-l-ambiente/rassegne/*

Daniela Ovadia, Fabio Turone

WHEN SCIENCE MAKES MISTAKES

Stories of deviant science as an antidote to its instrumentalisations. A chronicle when scientists "make mistakes", are discovered, rectify their mistakes or threaten those who expose the deception.

There is the great science, which advances knowledge and improves living conditions, but there is also a different science, marked by fraud and misconduct. And if the scientific community has always found within itself the antibodies to counteract such drifts, today these verification mechanisms are struggling to keep pace with the enormous increase in production and scientific competition, as the recent pandemic has shown.
Daniela Ovadia and Fabio Turone, journalists and experts in research ethics, describe science as essential but also as subject to the mistakes and distortions of any human activity. Recognising those mistakes and distorsions, and isolate them, is therefore fundamental to preserving the value of scientific research as an instrument of knowledge of reality.

Text, no illustrations

Subject: philosophy of science

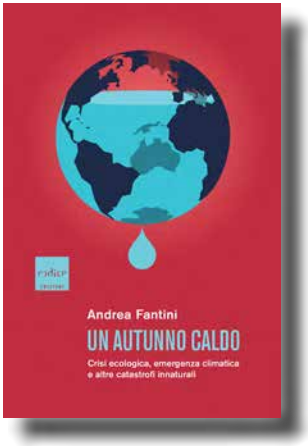
Pages: 208

Original title: *Scienza senza maiuscola* (2021)

Daniela Ovadia is a journalist and researcher in the field of bioethics and ethics of scientific research. She published *È la medicina, bellezza!* (with Silvia Bencivelli, Carocci, 2016).

Fabio Turone is the director of the Zoe Agency for Scientific Journalism and of the Centre for Ethics in Science and Journalism. He is the president of the Science Writers in Italy (SWIM) association.

press review here: **https://www.codiceedizioni.it/libri/scienza-senza-maiuscola/rassegne/**



Text, no illustrations

Subject: climate change

Pages: 256

Original title: *Un autunno caldo. Crisi ecologia, emergenza climatica e altre catastrofi (in)naturali* (March 2023)

Click here for the complete press review: **https://www.codiceedizioni.it/libri/un-autunno-caldo/rassegne/**

For readers of:

- **This Changes Everything. Capitalism vs. the Climate** (Naomi Klein)

Andrea Fantini

THE (OTHER) HOT AUTUMN

Ecological crisis, climate emergency and other (un)natural disasters

«Shedding light on the intertwining of the ecological crisis, climate emergency and the dynamics of economic and social reproduction means questioning the rigid separation of knowledge that is characteristic of capitalism, opening the door to a new way of knowing and interpreting the world, but also of acting in everyday life.»

Accumulating evidence on biosphere and climate alterations has long prompted a reconsideration of our presence on Earth. The very definition of the Anthropocene raises questions not only technical and scientific, but also social and political. Is the crisis we are experiencing really the result of the activity of a universally mindless and voracious species? Or is it, rather, the result of a particular economic, social and political system – sprung from centuries of plunder and conflict whose processes of reproduction are incompatible with the regenerative dynamics of the biosphere? Interweaving environmental and energy history, ecology and political economy, *The (other) Hot Autumn* reconstructs the enormous human impact on planet Earth and analyzes the consequences. Coming to a conclusion as simple as it is radical: rather than betting on some technological miracle, to overcome the current crisis it is necessary to transform the system that produced it. For our species has always been able to adapt to a variety of environmental conditions, but to do so it has gone through catastrophes, revolutions, failures and course changes. And now we are at a crossroads that forces us to imagine a different way of being in the world.

Andrea Fantini studied geographic, environmental and agroforestry sciences at the universities of Bologna and Barcelona, where he earned a doctorate in Agroecology, Ecological economics and Agri-environmental policies, and has worked as a researcher in Spain and Latin America. He is involved in socio-environmental research and science communication.

English sample available

Roberto Paura

OCCUPY THE FUTURE

Predicting, anticipating and transforming tomorrow's world

A book that combines the reflection of the essay with the power of the manifesto. An invitation to aspire to a future radically different from the present.

Is a science capable of knowing the events of the future possible in the same way that, through the historical sciences, we try to know the facts of the past? This dream, ever since Isaac Asimov's psychohistory, has influenced economists, political scientists, strategists, and cyberneticians, but it must come to terms not only with the limits of our ability to predict and the complexity of social systems, but also with the realization that the future is not a destiny waiting to happen. Roberto Paura recounts the evolution of futures studies and the scenarios investigated by futurologists on global risks, but his book also goes a step further: it proposes an approach in which these tools are used to imagine new possible futures. A manifesto that invites us to "occupy the future," thus recovering an ability to aspire to a tomorrow radically different from the present, putting the new tools of anticipation at the service of new ways of thinking about possible futures, in which humanity's hopes, dreams and utopias can be translated into reality.

Roberto Paura is the president of the Italian Institute for the Future, co-founder of the Assocaizione dei Futuristi Italiani and editor of "Futuri," an Italian journal of futures studies. As a scientific and cultural journalist, he collaborates with several newspapers and is deputy editor of "Quaderni d'Altri Tempi" and a member of the steering committee of Futura Network.

Click here for the complete press review: https://www.codiceedizioni.it/libri/occupare-il-futuro/rassegne/

Text, no illustrations

Subject: current affairs, future studies

Pages: 368

Original title: *Occupare il futuro. Prevedere, anticipare e trasformare il mondo di domani* (March 2022)

For readers of:

- **Everyday chaos** (David Weinberger),
- **The future is faster than you think** (Peter Diamandis and Steven Kotler)

Cherchez la femme. Literally. On this photo. And you will find Katharine Graham, the only and first woman elected, in 1974, to the board of directors of the Associated Press (23 members, pictured here during a meeting in New York). Although Graham was a legendary journalist and director – she led the "Washington Post" during the Watergate scandal – she had that role because the newspaper was owned by her father, who in truth had initially appointed as editor Katharine's husband, Philip Graham, who later died by suicide. Since Kay Graham was the only woman to such a high position in publishing, she had no female female role models and initially had a lot of difficulty being taken seriously by colleagues and employees, as she recounts in her autobiography *Personal History*.

Emanuela Griglié is a journalist and writes for "La Stampa" and "Repubblica Salute" mainly on innovation, digital culture and science. She contributes on lifestyle and social issues with "Harper's Bazaar" and "Esquire", and has been editor on current affairs topics for "Vogue" and "L'Uomo Vogue". She has previously written for "Italia Oggi" and "Il Mondo", and was part of the team that created and launched "City", the first Italian free press of the Rizzoli-Corriere della Sera group.
On X he is: @emgriglie.

Guido Romeo is a journalist and author specialized in innovation and corporate communication. He has been part of the editorial staff of "Il Sole24Ore" and "Wired". He is the author of *Silenzi di Stato. Stories of denied transparency and of citizens who do not surrender* (with Ernesto Belisario; Chiarelettere, 2016). For his work he has received national and international awards.
On X he is: @guidoromeo.

Emanuela Griglié and Guido Romeo are the authors of *Gentlemen's Only* (2021).

Text, no illustrations
Subject: **current affairs, gender studies**
Pages: 160
Original title: **Maschiocrazia. Perché il potere ha un genere solo (e come cambiare)**
(May 2024)

For readers of: **Invisible Women** (Caroline Criado Perez)

ENGLISH EXTENDED PROPOSAL AND SAMPLE AVAILABLE

CLICK HERE FOR THE COMPLETE PRESS REVIEW

Emanuela Griglié and Guido Romeo

MALEOCRACY

Why power has only one gender (and how to fix it)

How can we change an obsolete world designed for men, which penalises women and does not respond to the true demographic diversity of our society?

The advance of gender equality is not just mere propaganda, but we cannot can talk about change without questioning power, and on this topic everyone is watching closely Italy. Examples of a new, more inclusive and more balanced model, in politics as in economics, exist, but resistance is strong, and women's power is still far from being consolidated and structured into an influential and capillary network.
The problem is that we are all – yes, even the more or less fluid girls and boys of GenZ – much more sexist and conservative than we are willing to admit. Even in the Germany that Angela Merkel has ruled continuously for 20 years, only 41 percent of citizens declare that they feel comfortable with a woman as head of government. And "girl power" has often become such a mainstream phenomenon that it risks being a by-product of that maleocracy – or to use a word that has recently come back in vogue: patriarchy – where women, having taken power, act no differently from their male predecessors.
Through data, interviews, scientific research and recent news, *Maleocracy* is a lucid and provocative snapshot of an epochal mutation that contemporary society is facing, and reveals a more complex picture than mere gender discrimination.

Among the interviewed: Roberta Metsola, President of the European Parliament, Kaja Kallas, Prime Minister of Estonia, and Vera Gheno, linguist and activist for inclusive language.

Emanuela Griglіè, Guido Romeo

GENTLEMEN'S ONLY

«At the current rate, it will take 280 years to achieve gender parity in computer science and 258 years in physics, also because the information system is still very male-centric: for example, eight out of ten news stories are about men.»

A new generation of female leaders is taking on the world. The glass ceiling creaks, but another one, stronger and invisibile, is hiding behind. It's made of data, elements that nowadays are crucial to determine how to design our cars and cities, but also most life-saving drugs and AI systems. That's why women have a 75% greater chance of dying for a collater effect of a drug and an 18% greater chance of dying in a car accident. The word is changing, but too slowly. *Gentlemen's only* is a journey in the sexism of data and proposes how to fight it for a better society for women but also – surprise – for men.

Emanuela Griglié is a journalist, she writes for "la Stampa" about digital culture and gender issues.

Guido Romeo is a journalist for "Il Sole 24 Ore" specialized in economics and innovation. He is the author of *Silenzi di Stato. Storie di trasparenza negata e di cittadini che non si arrendono* (Chiarelettere, 2016, with Ernesto Belisario).

Click here for the complete press review: https://www.codiceedizioni.it/libri/per-soli-uomini/rassegne/

Text, no illustrations

Subject: gender studies, current affairs

Pages: 160

Original title: *Per soli uomini* (2021)

Text, no illustrations

Subject: sociology, current affairs

Pages: 224

Original title: *Manifesto per un'educazione civica alla scienza* (March 2023)

Click here for the complete press review: https://www.codiceedizioni.it/libri/manifesto-per-un-educazione-civica-alla-scienza/rassegne/

For readers of:

- **Why Trust Science? (Naomi Oreskes)**

Nico Pitrelli, Mariachiara Tallacchini

MANIFESTO FOR CIVIC EDUCATION IN SCIENCE

Democracy, today, is above all a problem of knowledge: to face the challenges of the present, it is essential to create knowledgeable and informed citizens.

Major contemporary challenges have both a social and political dimension and a scientific and technological dimension. Policymakers cannot do without specialized knowledge, but the available science is often ambiguous, incomplete, and multidisciplinary. How can a democracy reconcile the urgency of decision-making with the uncertainty of knowledge? How can we remain open to different perspectives without legitimizing anti-scientific positions on the one hand and without risking technocratic drifts on the other? What rights do non-expert citizens have with respect to knowledge? This book proposes a new approach to the relationship between scientific knowledge and the common rules of coexistence, a civic education in science that takes into account the roles, rights and responsibilities of citizens, those who do research and those who make decisions.

Nico Pitrelli is director of the Master in Science Communication "Franco Prattico" at SISSA in Trieste and head of the communication office at the same institution. He studies the ways in which scientific knowledge is disseminated and received in different contexts, and has written several essays on the relationship between science and society. His latest publications include *Il giornalismo scientifico* (Carocci, 2021).

Mariachiara Tallacchini teaches Science, Rights and Democracy at the Master in Science Communication "Franco Prattico" at SISSA in Trieste and Philosophy of Law at the Università Cattolica del Sacro Cuore in Piacenza. She has been working on the regulation of science in democratic societies for many years and is a regular contributor to the Italian journal of epidemiology "Epidemiology & Prevention." She is the author of numerous specialized publications on the relationship between scientific knowledge and law.

Luca Tambolo

A TAILORED WORLD

Introduction to science denial

Who are the science deniers, and what rhetorical strategies do they use?
Why do they manage to appeal to certain sectors of public opinion?

A journey through the varied landscape of groups challenging not only the reliability, but also the integrity of what science deniers disparagingly call 'official' science. More specifically, *A Tailored World* goes through concrete examples of science denial to tackle a number of crucial questions that the phenomenon raises. What conditions should be met in order for the rejection of a result of scientific inquiry to count as a clear-cut case of science denial? What are the rhetorical strategies deployed by deniers to challenge established scientific results? How should a layperson proceed in deciding whether someone is a science denier? **Why is the rejection of established scientific results seemingly gaining more and more traction in certain sectors of public opinion? If science denial constitutes a threat, are there effective ways to mitigate its worst consequences?** Do scientific communities bear at least some responsibility for the suspicion, or outright hostility, with which some look at the results of their work?

Luca Tambolo is a scholar of philosophy and history of science. He has published several papers in specialized journals and a book on the philosophy of Paul Feyerabend, *L'oceano della conoscenza* (Franco Angeli 2007).

Text, no illustrations
Subject: current affairs
Pages: 256
Original title: *Il mondo su misura. Introduzione al negazionismo scientifico* (February 2024)

For readers of:
The Truth About Denial **(Adrian Bardon);**
How to Talk to a Science Denier **(Lee McIntyre);**
Why Trust Science? **(Naomi Oreskes)**

ENGLISH EXTENDED PROPOSAL AND SAMPLE AVAILABLE

Antonello Pasini

THE EQUATION OF DISASTERS

Climate Change on Fragile Landscapes

The first book that presents the impacts of climate change and its extreme events (now stronger and more frequent) on fragile landscapes: a study to understand how our future could be.

Text, illustrations (full color)

Subject: current affairs, climatology

Pages: 184

Original title: *L'equazione dei disastri. Cambiamenti climatici su territori fragili* (2020)

Earthquakes, prolonged drought, extreme events and strong tides that destroy everything in their path: why are these phenomena increasingly frequent? Whose fault is it? Antonello Pasini analyses the case of Italy, from the landslides and floods that affects Piedmont and Liguria to the umpteenth occurrence of high water in Venice, and identifies the main factors at stake, putting them into relation with one another in what is provocatively defined the 'equation of disasters': the dangerousness of weather- and climate-related events, the vulnerability of the Italian landscape and what we, our homes and our property, are exposed to. The conclusion is that it is not about an evil nature, but an environment that has been disfigured by man, from the point of view of climate and territory, to the abuses on a landscape that was already fragile. It is a study that leads to the conclusion that only by becoming aware of the human impact on climate and on landscape can we do something to change course. Because not only the political decision-makers but citizens as well have to know.

Antonello Pasini, a climatological physicist at the CNR (Italian Research Council) and lecturer in Physics of the Climate the University of Roma Tre, he has published numerous scientific articles in international journals. He is also an active populariser: in 2016, his blog "Il Kyoto fisso" won the National Prize for Scientific Popularisation. His previous books include *Effetto serra, effetto guerra* (ChiareLettere, 2017) written with Grammenos Mastrojeni.

DANIELE GOUTHIER

WRITING ABOUT SCIENCE
EXERCISES AND GOOD PRACTICES FOR VULGARIZERS, JOURNALISTS, TEACHERS AND RESEARCHERS TODAY

In recent years, the awareness of how important communicating science is has grown. Vulgarization, journalism, research and teaching need to know how to tell, write (and, why not, read) scientific content. From the panels of an exhibition to the script of a video, from the presentation for a seminar to a lesson plan, constructing and writing texts are tools of the trade that it is necessary to know how to handle. Without imposing precepts and rules, but based on his own many years of experience as a mathematician and writer, Daniele Gouthier offers us a practical and concrete reflection on writing, accompanied by numerous exercises and small good practices.

Daniele Gouthier teaches Communication of mathematics and physics at the SISSA of Trieste. He is the author of the books *Le parole di Einstein* (Dedalo, 2005), *Il solito Albert e la piccola Dolly* (Springer Verlag, 2008), *Il bello della matematica* (Pearson Bruno Mondadori, 2014), and *Dar la caccia ai numeri* (Dedalo, 2017).

TEXT, NO ILLUSTRATIONS

SUBJECT: SCIENCE COMMUNICATION

PAGES: 192

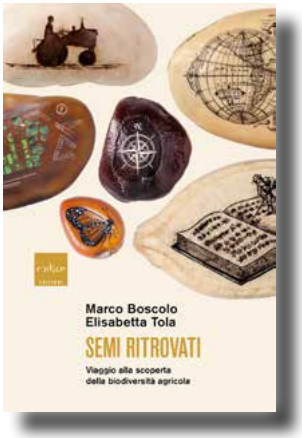
ORIGINAL TITILE: SCRIVERE DI SCIENZA. ESERCIZI E BUONE PRATICHE PER DIVULGATORI, GIORNALISTI, INSEGNANTI E RICERCATORI D'OGGI (2019)

Marco Boscolo, Elisabetta Tola

REDISCOVERED SEEDS

A Journey to Discover Agricultural Biodiversity

From Senegal to Indonesia, from Iran to the United States, a great on-the-road account to get to know modern farmers who are proving that an alternative to the model of the multinationals' agribusiness does exist.



In the early 20th century, the Russian geneticist Nikolaj Vavilov travelled halfway round the world and studied methods to produce new varieties of plants which would yield more and be adapted to the different climates in the Soviet Union. In a veritable on-the-road story which goes back over some of the stages of Vavilov's journey, Marco Boscolo and Elisabetta Tola introduce us to the 'guardians' of agricultural biodiversity who have learned his lesson: researchers, farmers and new artisans who are innovating farming by recovering local varieties and seeds that risk disappearing, replaced by industrial products that are the same all over the world but not very adapted to meeting the effects of climate change. There is no trace of nostalgia in this journey, but a new idea of innovation fuelled by a global network – Senegal, Ethiopia, Iran, Indonesia, France, United States and Italy – which is offering models of production and different supply chains to guarantee, following in Vavilov's footsteps, that despite the climate upheavals that we will have to face, nobody must suffer hunger.

Marco Boscolo is a journalist and a scientific writer. He has contributed to Italian and international radio and magazines.

Elisabetta Tola is a scientific journalist and works on data, technology, schools and agriculture. She is the host of the radio programme Radio3 Scienza and writes for online magazines.

Text, no illustrations

Subject: current affairs, environment, biodiversity

Pages: 298

Original title:
Semi ritrovati. Viaggio alla scoperta della biodiversità agricola (2020)

For readers of:
- **The mushroom at the end of the world (Anna Tsing),**
- **Growing a revolution (David R. Montgomery)**

Foreign sales: Arabic (Osiris), Chinese (People's Oriental Publishing), Spanish (Alianza)

Click here for the complete press review: https://www.codiceedizioni.it/libri/semi-ritrovati/rassegne/

biology,
evolution,
botany,
nature writing,
environment

Roberto Inchingolo

KILLER WHALE STRIKES BACK

Stories of animal resistance

A book about animal resistance, but not from the "human activism" point of view. It's not about us saving the whales, but rather how whales can save themselves from us. This is a book about evolution and forced coexistence

Chicago, 2012. A man drowns in an artificial lake after being attacked by a swan, making it the only known case of a human death by swan-related causes. The man's family sues the local authorities, asking the reason why "dangerous swans" are being put into lakes.
Our relationship with animals is distorted: after having explored every corner of the globe, and reshaped the environment to our whims, we consider ourselves the dominant species on the planet. We apply this frame to animals too, and we want to control them in every possible way, caging and exploiting them. Sometimes, they do not comply.
Killer whale strikes back analyzes the human relationship with animals, showcasing their resilience and the unexpected ways they are able to survive exploitation, control, and even thrive in some cases.

Roberto Inchingolo has a degree in Natural Sciences at the University of Bologna and a Master in Science Communication at the International School for Advanced Studies in Trieste. He has worked as a freelance science writer and as communication coordinator for the University of Cambridge, the Institute of Cancer Research in London and the Human Brain Project in Marseille. He has published three popular science books: *Perché ci piace il pericolo* (Sironi Editore, 2013), *Il bias della razza* (Durango Edizioni, 2018) e *Zoocrazia, la vita politica degli animali* (Durango Edizioni, 2021). After finishing this book, he went back to being a vegetarian.

Text, no illustrations
Subject: nature writing, ecology
Pages: 256
Original title: *La vendetta delle orche e altre storie di resistenza animale* (March 2023)

For readers of: *Fuzz. When Nature Breaks the Law* (Mary Roach)

ENGLISH EXTENDED PROPOSAL AND SAMPLE AVAILABLE

FOREIGN SALES: SPANISH (ALIANZA)

Text, no illustrations

Subject: natural science, biodiversity, current affair

Pages: 176

Original title: *Trafficanti di natura. Il commercio illegale di specie selvatiche che minaccia la biodiversità (e noi)* (June 2023)

For readers of:

- **Ivory, Horn and Blood** (Ron Orenstein);
- **Poached** (Rachel Love Nuwer)

Rudi Bressa

WILDLIFE TRAFFICKERS

The illegal wildlife trade that threatens biodiversity (and us)

The stories, data, and motivations of wildlife trafficking, the third largest illegal trade after drugs and guns, with an estimated value of about ten billion dollars a year.

Second only to drugs and guns, wildlife trafficking has an estimated annual value of ten billion dollars, and is a major cause of biodiversity loss. Tigers and elephants, hawks and seahorses, donkeys and turtles, as well as teak and orchids; there are many species threatened by this clandestine business that science journalist Rudi Bressa, an expert on environmental issues, recounts through interviews with experts, recent data and studies, news examples and investigations. It is an open window into a shadowy and expansive world that endangers not only economies, livelihoods and food security, but also the quality of life of people around the world.

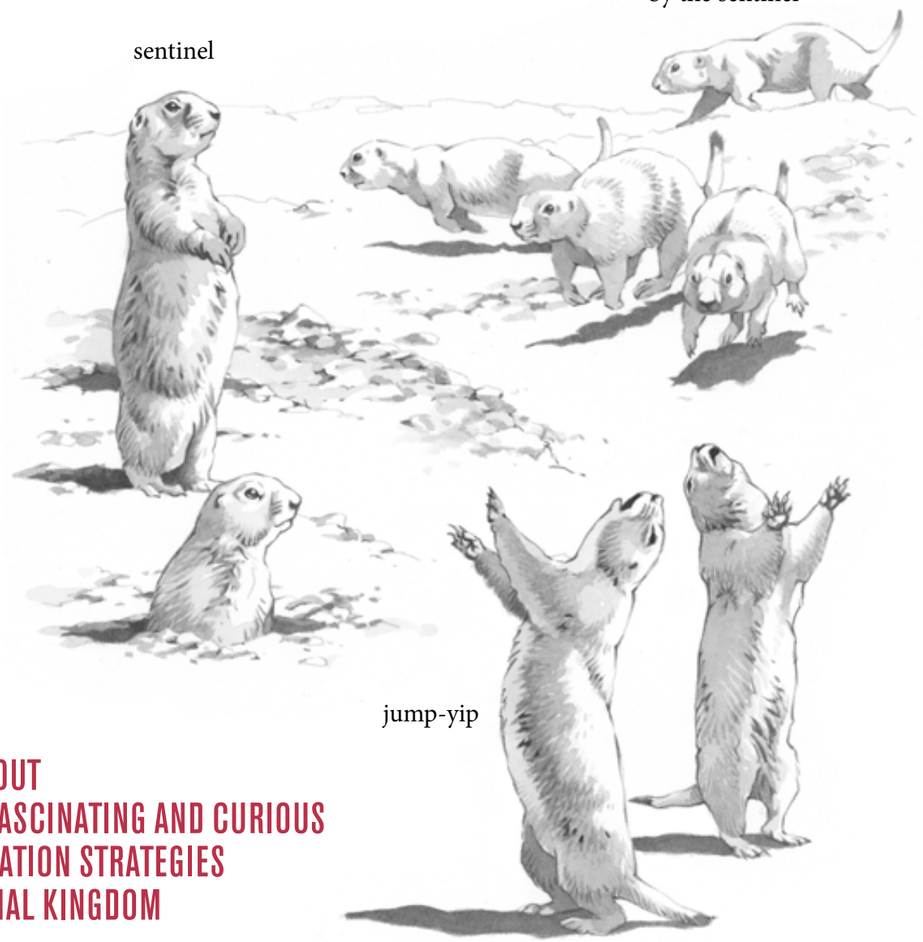
Rudi Bressa collaborates with various national and international publications covering climate change, energy transition, circular economy and nature conservation. He is a member of Swim (Science writers in Italy) and serves on the board of the Clew Journalism Network. His work has been supported by the Journalism Fund and IJ4EU (Investigative Journalism for Europe).

English sample available

predator

group alerted
by the sentinel

sentinel



jump-yip

A BOOK ABOUT THE MOST FASCINATING AND CURIOUS COMMUNICATION STRATEGIES IN THE ANIMAL KINGDOM

Text, Illustrations (black and white pencil and watercolor)

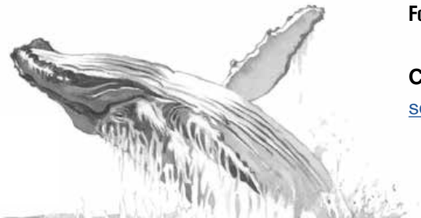
Subject: Natural science, etiology

Pages: 432

Original title: *Senti chi parla. Cosa si dicono gli animali* (2021)

For readers of:

- **Mama's last hug (Franz de Waal),**
- **Other Minds (Peter Godfrey-Smith),**
- **Beyond words (Carl Safina)**



Francesca Buoninconti

LOOK WHO'S TALKING

A journey in animal communication

«Animal communication involves deception and outright lies. All is fair in love and... when it comes to eating, and animals often demonstrate to have a social intelligence that is not so different from ours. In short, welcome to a world made of honest, liars, selfish and boasters.»

From our garden to the rainforests, from the neighborhood park to the depths of the oceans, the animal world brims with messages. There are those who sing like nightingales, even underwater, and those who use special sounding boxes such as their bladders. Others use smells and scents, or let their colour do the talking. And there are even those who lie. But what do they say to each other? Do birds really sing every time they open their beaks? Why does singing exist in the animal kingdom? What goes through the head of a gazelle being chased by a predator that starts jumping instead of running away? Are fish really as dumb as the saying goes? Do dolphins call each other by name? If one of these questions ever popped into your mind, this is the book for you.

Francesca Buoninconti is a naturalist and scientific journalist. She is in the editorial staff of Radio3 Scienza, the scientific newspaper of Radio3 Rai; she talks about zoology on Rai Gulp for the tv show for kids La Banda dei FuoriClasse and writes about science, nature and climate for various magazines, including "Il Bo Live" and "Il Tascabile". In the past she worked with Città della Scienza, Radio Kiss Kiss, Milanoedit, "Rivista Micron" and "Vanity Fair". Her first book, *Senza confini* (Codice edizioni), won the 2019 Premio Biblioteche di Roma and made the podium at the 2020 Premio Galileo for popular science books. On Instagram she is @_laeffebi_.

Foreign sales: Polish (Libra), German (Folio Verlag), Spanish (Alianza), Audio (Storyside)

Click here for the complete press review: https://www.codiceedizioni.it/libri/senti-chi-parla/rassegne/

Francesca Buoninconti

WITHOUT BORDERS

The Extraordinary Stories of Migratory Animals

Every year nature offers one of the most incredible sights that can be seen: migration. A highly fascinating journey without borders, full of mysteries to be revealed. Billions of animals on the move travel across our planet. Small or large, on their own or in groups, they cover tens of thousands of kilometres in flight, walking or swimming, facing difficulties and dangers, on treacherous routes that often cost them their lives. The giants of the world, whales, migrate and some of the most graceful creatures, butterflies, migrate; as do birds, terrestrial and flying mammals, fish, amphibians reptiles, all sorts of insects and other invertebrates, such as crabs, above all suspicion. On this journey, many undergo incredible transformations, others are as punctual as Swiss watches, to the point that a calendar can be established, other cover distances that are equivalent to three times the journey to the Moon and back. How do they reach their destination? How do they find their bearings and how do they manage to return every year to exactly the place where they were born? And above all, why do they migrate?

Francesca Buoninconti is a naturalist and scientific journalist. She is in the editorial staff of Radio3 Scienza, the scientific newspaper of Radio3 Rai; she talks about zoology on Rai Gulp for the tv show for kids La Banda dei FuoriClasse and writes about science, nature and climate for various magazines, including “Il Bo Live” and “Il Tascabile”. In the past she worked with Città della Scienza, Radio Kiss Kiss, Milanoedit, “Rivista Micron” and “Vanity Fair”. On Instagram she is @_laeffebi_.

Shortlisted for the most important Italian prize for popular science books: Premio Galileo

Foreign sales: German (Folio Verlag), Spanish (Alianza editorial), Arabic (Osiris), Polish (Libra), Audio (Storyside)

Click here for the complete press review: https://www.codiceedizioni.it/libri/senza-confini-le-straordinarie-storie-degli-animali-migratori/rassegne/

Text and maps

Subject: natural science

Pages: 224

Original title:
Senza confini.
Le straordinarie storie
degli animali migratori
(2019)

For readers of:

- **The genius of birds (Jennifer Ackerman),**
- **A world on the wing (Scott Weidensaul),**
- **The Homing instinct (Bernd Heinrich)**

Text, no illustrations

Subject: biology, evolution

Pages: 256

Original title: *Come costruire un alieno. Ipotesi di biologia extraterrestre* (2021)

Click here for the complete press review: https://www.codiceedizioni.it/libri/come-costruire-un-alieno-marco-ferrari/rassegne/

For readers of:

- **Extraterrestrials (Edward Regis Jr.),**
- **The cosmic zoo (Dirk Schulze-Makuch and William Bains),**
- **Expedition (Wayne Douglas Barlowe)**

Marco Ferrari

HOW TO BUILD AN ALIEN

Hypothesis of extraterrestrial biology

What forms of life might we find on other planets? Will they obey to laws and rules that we know, or will their biology be entirely different? Who, or what, will welcome the first explorers?

There are few doubts that the laws of physics and chemistry apply on Earth as on other planets, that a body falls with a certain acceleration of gravity and that two chemical elements can join with particular bonds even on celestial bodies orbiting around an alien star. But we do not have the same certainty for biology. Even with different declinations, will we always have prey and predators? Will their dynamics be the same as we observe on Earth? And the cell, the basis of life, is it really so indispensable to create bodies of increasing size? In search of universal or local laws, Marco Ferrari leads us to solitary planets where only one very simple species lives, and to others even richer than Earth, where millions of living beings form a symbiotic and holistic whole. We will explore celestial bodies where life has "stopped" at a certain point of complexity, and others where biochemistry has led to solutions completely different from those we could find even in the most remote and obscure places on our planet. To discover that, most likely, the differences in structures, skeletons, organs, senses and other things always depend on one universal process: evolution.

Marco Ferrari, biologist and journalist, has been editor and director of nature and science magazines ("Oasis", "Terra", "Focus Junior", "Geo") and head of science department at "Focus". He started as a researcher in psychopharmacology, then moved on to journalism and science popularization. He has written articles for daily, weekly and monthly newspapers, edited encyclopedias and documentaries; he has translated about ten books and written as many. With Codice edizioni he published *L'evoluzione è ovunque. Vedere il mondo con gli occhi di Darwin* (2015)

Marco Di Domenico

THE METAMORPHOSIS NOTEBOOK

Notes and reflections on one of the most fascinating phenomena of the natural world.

«Life is transformation.»

When we talk about metamorphosis, we think of caterpillars and butterflies, or frogs and tadpoles. In reality, metamorphosis is widespread in most insects and marine invertebrates, in hosts of parasites, in many fish and in all amphibians. Almost all animals, in short, have two or more lives, very different from each other in appearance and ecology. The metamorphosis notebook is a collection of notes and drawings, precariously balanced on the laws of evolution, a (short) journey from sponges to man. Going through it, we realize that what we see is only a small part of an invisible, unknown and fascinating world.

Marco Di Domenico has a degree in Biological Sciences and a PhD in Animal Biology. He is a teacher, popularizer and faunist, collaborates with the Istituto dell'Enciclopedia Italiana Treccani and has published two books for Bollati Boringhieri (*Clandestini*, 2008; and *Italiani pericolosi*, in 2012) and one for Editoriale Scienza (*Il mondo segreto degli insetti*, 2017) He lives and works in Siena.

Foreign sales: German (Folio Verlag), Polish (Libra)

Text, illustrations (27 black and white illustrations in ink and pencil, made by the author)

Subject: natural science, evolutionary biology

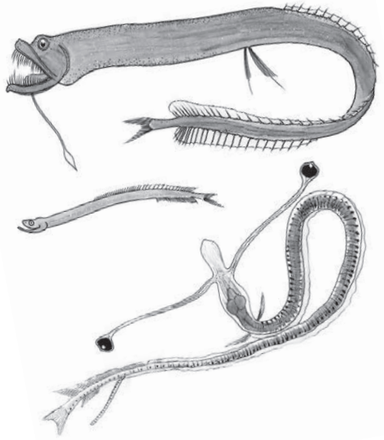
Pages: 272

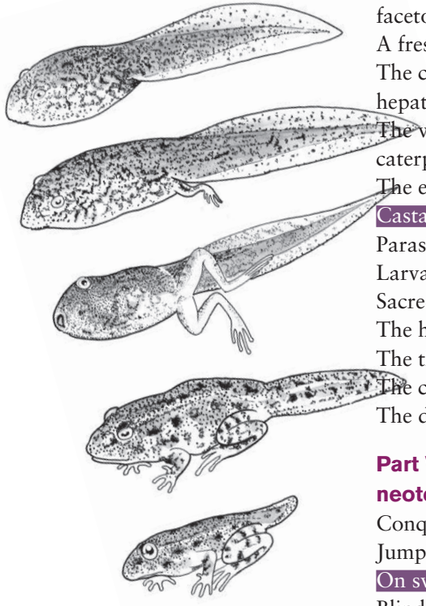
Original title: *Taccuino delle metamorfosi* (April 2022)

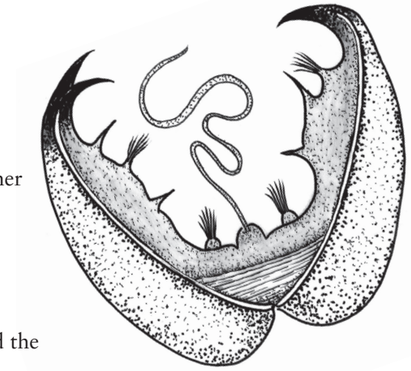
For readers of:

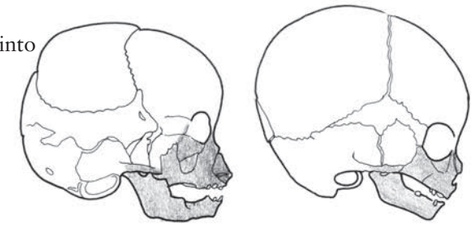
- **Endless forms, most beautiful (Sean B Carroll),**
- **The beak of the finch (Jonathan Weiner)**

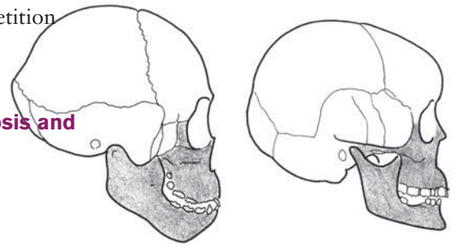
Chapters

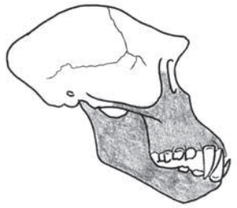




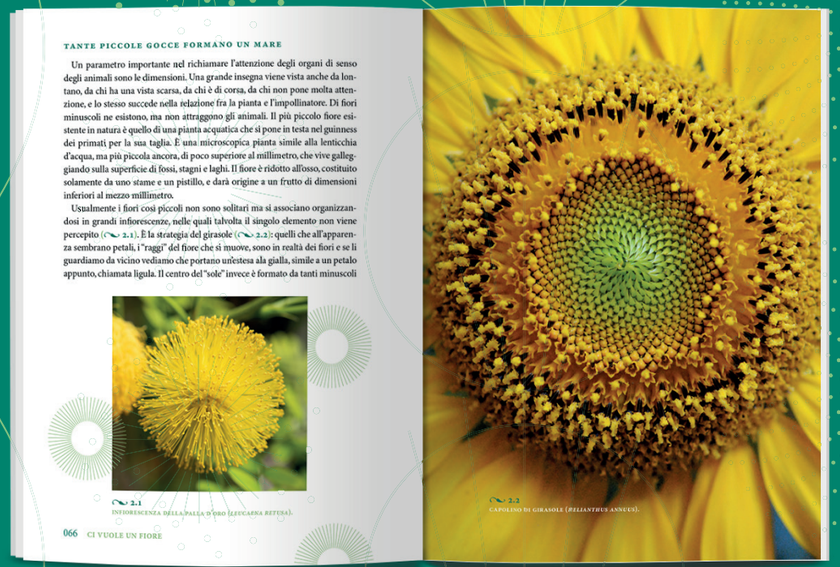








illustrated, graphic novels



Text, Illustrations (100 full color photographs)

Subject: botany

Pages: 224

Original title: *Ci vuole un fiore. Racconti e meraviglie del silenzioso mondo verde* (October 2021)

Mariacristina Villani

SILENTLY A FLOWER BLOOMS...

Tales and wonders of the green kingdom

«Nature is multimedia: colors, smells and sounds are the languages it uses, and they are important at different levels.
But if we are able to see beyond the mirror, to understand what lies behind such elegance, our surprise will be even greater.»

What would our lives be like without the tomato, the potato, the cocoa or the corn? Without the colors of the sunflower, the scent of frangipani, the sweetness of pineapple? Or without the fir trees of Paneveggio, with which Stradivari built his violins? The beauty of plants has inspired writers, painters and poets since ancient times, just as scientists have been fascinated by their complex evolution and the relationships they have created with animals, tested and refined over millennia. *Silently a flower blooms* explores these entanglements, between irony and amazement, revealing details of the plant kingdom that are often unknown, even though we have them in front of our eyes every day.

Mariacristina Villani teaches Botany and Plant Ecology at the University of Padua, and she is the scientific responsible of the collections of the Botanical Garden of Padua.

- **Preface by Renato Bruni**

HOW DOES THOR'S HAMMER WORK?

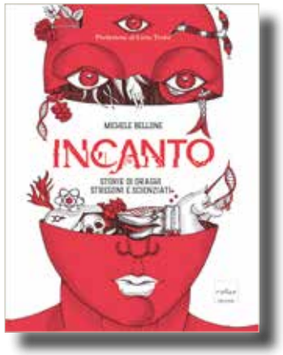
HOW WAS THE MYTH OF THE DRAGON BORN?

WHAT DO WIZARDS AND SCIENTISTS HAVE IN COMMON?

A JOURNEY IN SEARCH OF THE SCIENCE
HIDDEN IN MANY ARCHETYPES OF FANTASY NARRATIVE

MICHELE BELLONE

ENCHANTMENT
STORIES OF DRAGONS, WIZARDS AND SCIENTISTS



ILLUSTRATED BOOK

SUBJECT: POPULAR SCIENCE

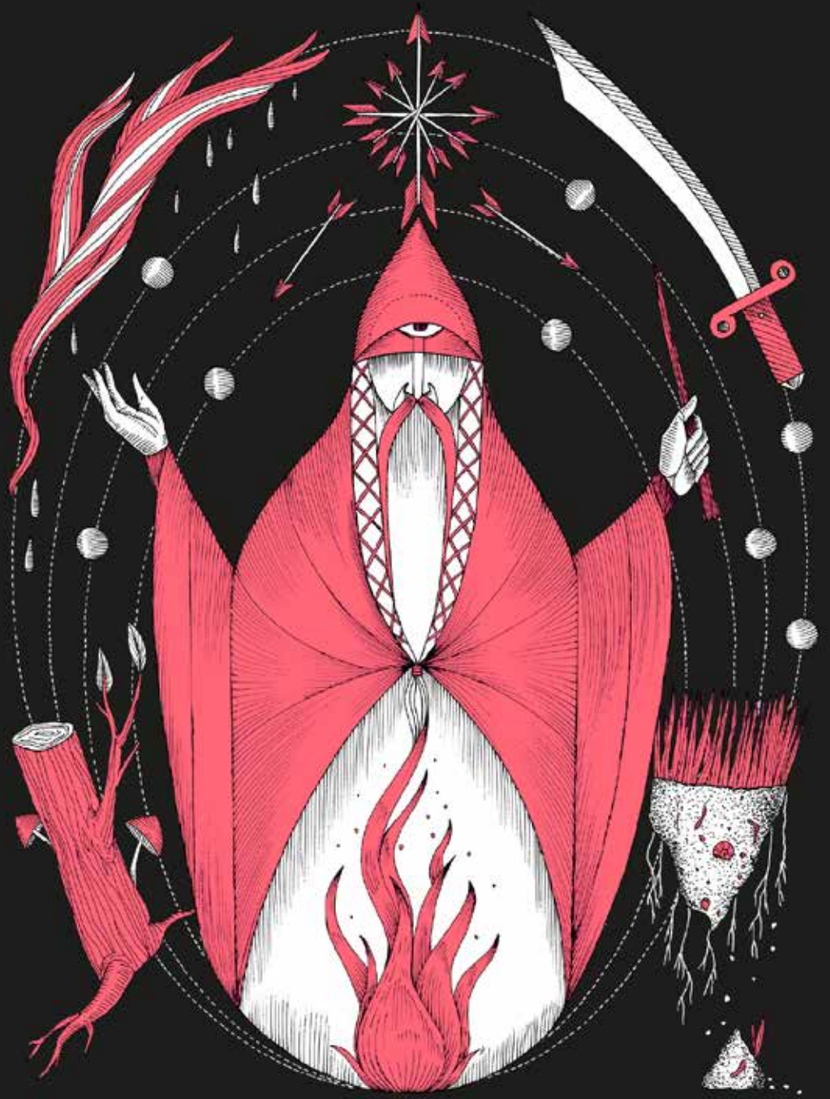
PAGES: 240

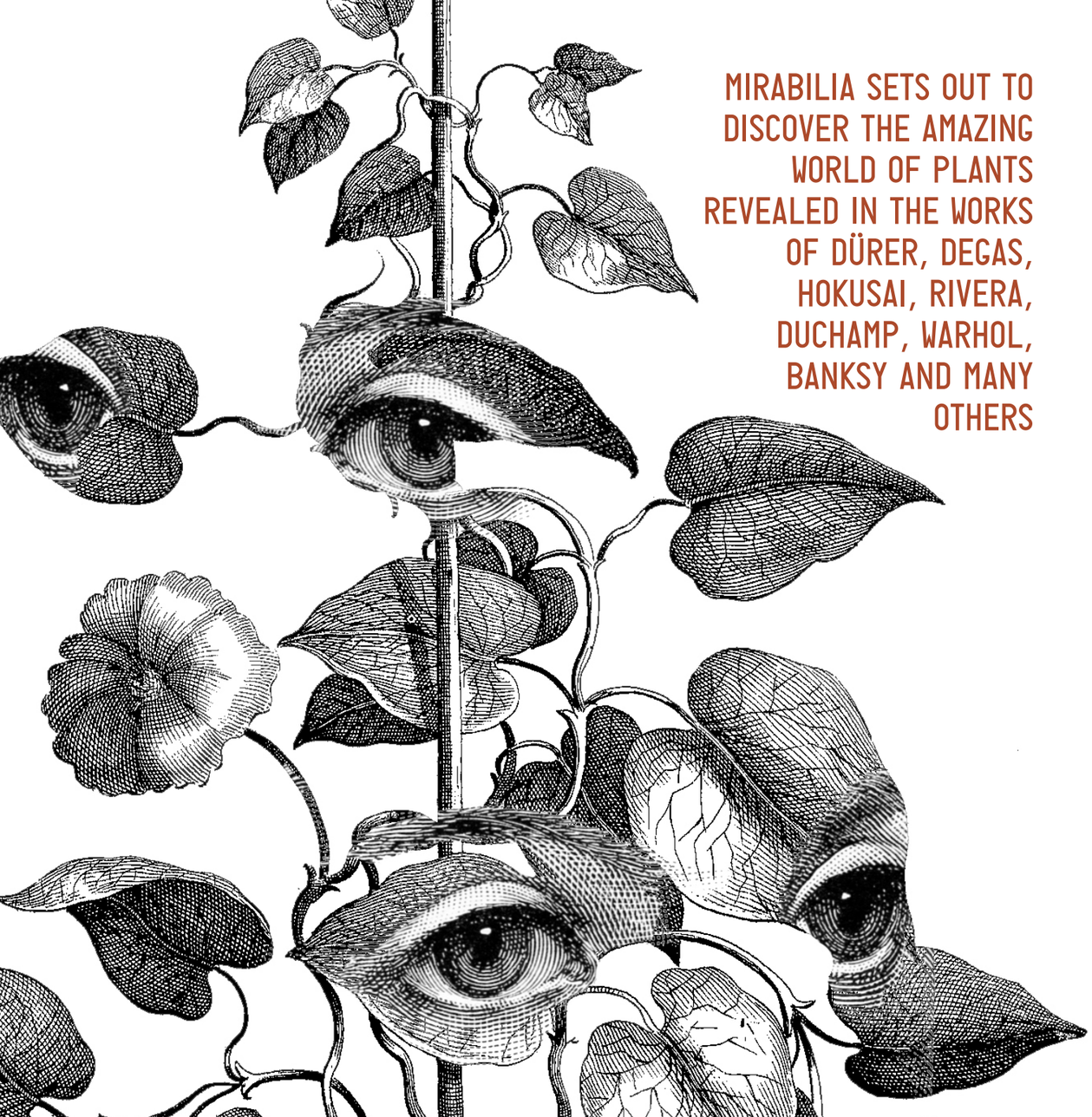
ORIGINAL TITLE:
INCANTO. STORIE DI DRAGHI, STREGONI E SCIENZIATI
(2019)

Fantasy is a genre full of magic, mysterious events and supernatural creatures, and is often perceived as pure evasion into the irrational, the superstitious and the fabulous. But in many stories of heroes, enchantresses, legendary creatures and all sorts of types of magic, there is increasingly room for science as well. *Enchantment* is a journey in search of the science hidden in many archetypes of the fantasy narrative. How was the myth of the dragon born? What do wizards and scientists have in common? How does Thor's hammer work? What impact has role-play had on the codification of magic? These are only some of the questions that Michele Bellone, a scientific journalist passionate about narration, tackles in the book, trying to break down various prejudices on two worlds that are anything but irreconcilable. Because if science can generate the magic of the fantastic, fantasy can stimulate reflections on science.

Michele Bellone is a biologist and scientific journalist. He writes for Italian publications such as "Esquire", "Le Scienze" and "Wired", is passionate about games and fiction and holds a course on these subjects in the Master's degree in science communication at the SISSA in Trieste.

- Preface by Licia Troisi
- Illustrations by Elisa Seitzinger





MIRABILIA SETS OUT TO DISCOVER THE AMAZING WORLD OF PLANTS REVEALED IN THE WORKS OF DÜRER, DEGAS, HOKUSAI, RIVERA, DUCHAMP, WARHOL, BANKSY AND MANY OTHERS

ILLUSTRATED BOOK,
FULL COLOR

SUBJECT: BOTANY, ART

PAGES: 288

ORIGINAL TITLE:
MIRABILIA. LA BOTANICA
NASCOSTA NELL'ARTE
(2018)

RENATO BRUNI

MIRABILIA
WHEN ART CONCEALS BOTANY

An art exhibition, like a book, is perhaps the best way to be carried away to an unexplored and new place, to take a step towards major and minor answers and to feel a better person. An exhibition brings together all the paths that it can open up in the visitor's mind and, if done well, is not limited only to passive enjoyment which allows saying "I saw Van Gogh's sunflowers" but "looking at Van Gogh's sunflowers, I discovered something new." In *Mirabilia* this discovery concerns the amazing world of plants revealed in the works of Dürer, Degas, Hokusai, Rivera, Duchamp, Warhol, Banksy and many others, from ecological dynamics to archeobotany, from the flavour of tomatoes to vertical farms and the revolutionary frontiers of research.

Renato Bruni is Associate Professor in Botany and Pharmaceutical Biology at the University of Parma. For Codice, he has published *Erba volant* (winner of the Science Book Award 2017) and *Le piante son brutte bestie*, translated in many countries.

· Andy Warhol, *Campbell's Soup Can*, 1962; grafite e caseina su tela ·

· CAPITOLO 14 ·

QUESTO POMODORO NON SA DI NIENTE!

· Karl Blossfeldt, *Capsula di Nigella damascena*, 1929; fotoincisione ·

· CAPITOLO 15 ·

GIUDICARE DALLE APPARENZE: SI PUÒ

GLI ERBARI SONO DATABASE CHE ASPETTANO DI ESSERE INTERROGATI.

HOW IS RUBBISH THROWN AWAY ON THE MOON? AND IN THE BIN OF THE COMPUTER?

DID YOU KNOW THAT THE WHITE BEACHES IN THE TROPICS ARE MADE OF PARROT FISH DROPPINGS? AND THAT WE PUT RADIOACTIVE WASTE FIRST INTO A SWIMMING POOL AND THEN INTO SALT?

STRANGE AND INTERESTING FACTS, BUT ALSO RESEARCH, INNOVATION, TRADITIONS, ART AND MUCH MORE ABOUT WASTE: A PROBLEM, BUT ALSO AN OPPORTUNITY

PIERO MARTIN, ALESSANDRA VIOLA

TRASH
EVERYTHING YOU SHOULD KNOW ABOUT WASTE

ILLUSTRATED BOOK,
FULL COLOR

SUBJECT: POPULAR SCIENCE

PAGES: 240

PUBLICATION DATE:
NOVEMBER 2017

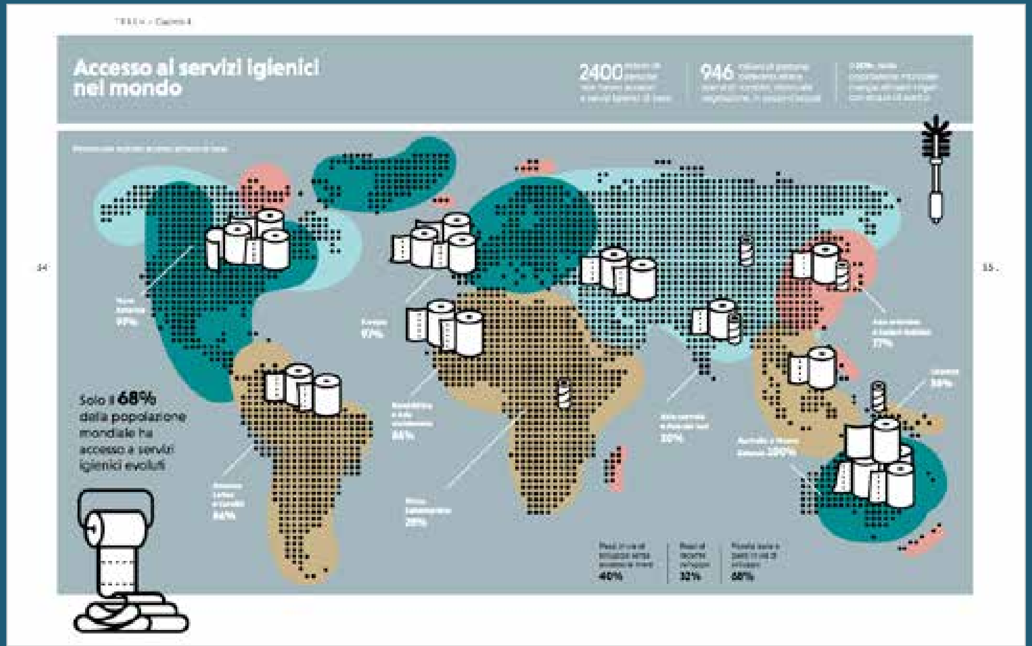
ORIGINAL TITLE:
TRASH: TUTTO QUELLO CHE DOVRESTE SAPERE SUI RIFIUTI

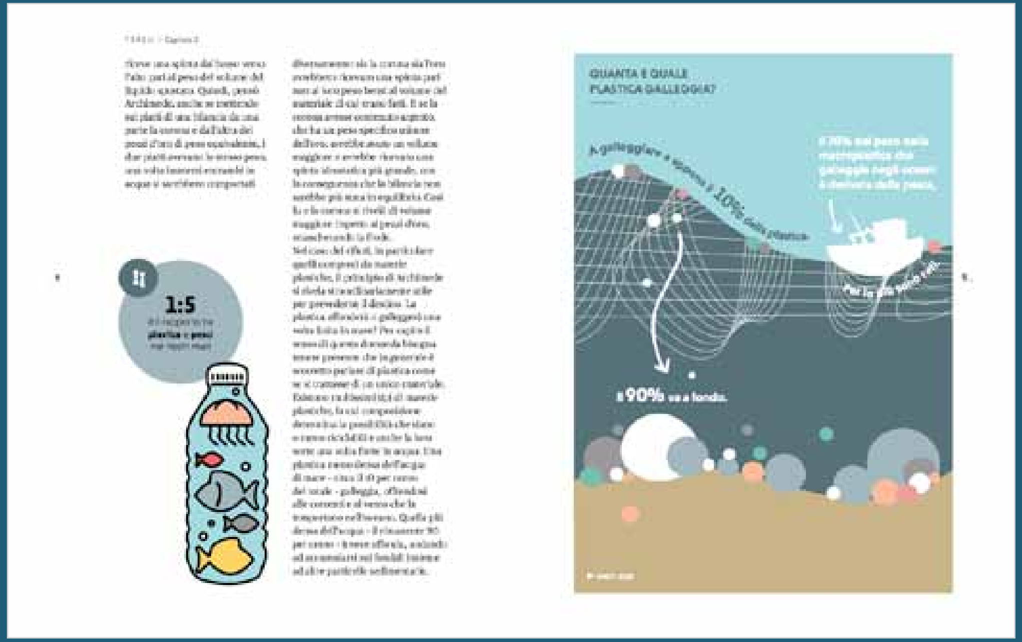
This book is an entertaining but scientifically accurate journey to discover the waste we have inside and outside ourselves. Strange pieces of information, but also data, research, innovation and old traditions to reconstruct the history of an idea – that of 'refuse' – which over the centuries has been transformed many times.
How much food do we throw away? Where do our old fridges end up? Did you know that drinking water can be extracted from organic waste? And how come some countries are buried in waste while others buy it?
From our houses to the whole planet, we will discover what and how much we waste, how much what ends up in the bucket, in the sewers or in the landfill is worth and what could be done (or is already done) with it. Because from art to industry, from cinema to the environment, waste is a problem, but it can also be a solution.
After all, waste is only… a lack of imagination.

Piero Martin is full professor of physics at a leading Italian university and researcher with the RFX Consortium. He is at the head of a European task force for experiments of controlled thermonuclear fusion, which involves over 300 researchers. He is a fellow of the American Physical Society.

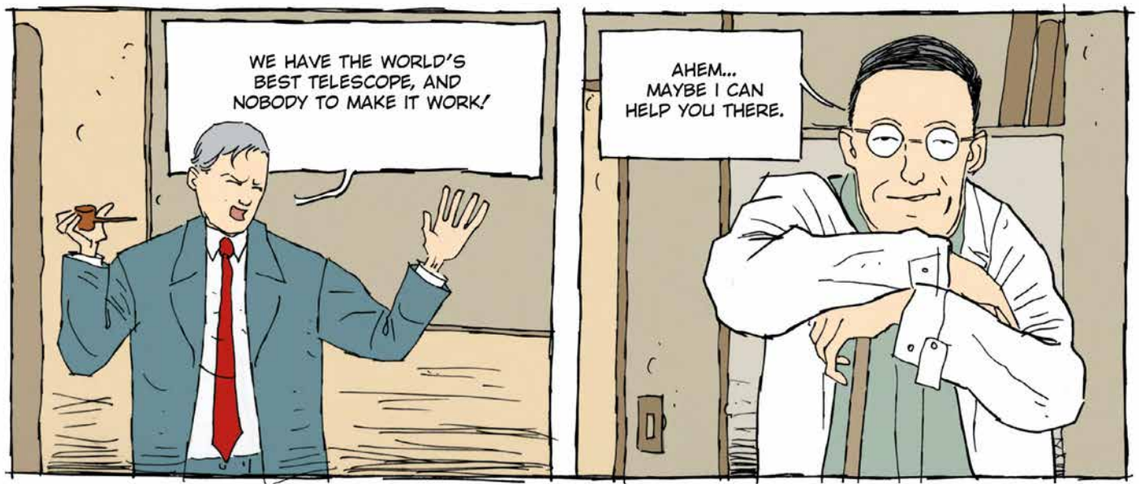
Alessandra Viola is a scientific jo urnalist and writes for "l'Espresso", "la Repubblica", "Il Sole 24 Ore", the RAI and the CNR. In 2016 she won the Wissenschaft Book des Jahres prize awarded by the Austrian Ministry for Science and in 2013 won the First prize for popularizing science awarded by the Italian Book Association for her book *Verde Brillante*. She teaches at the LUISS University.


L'isola (di plastica) che non c'è

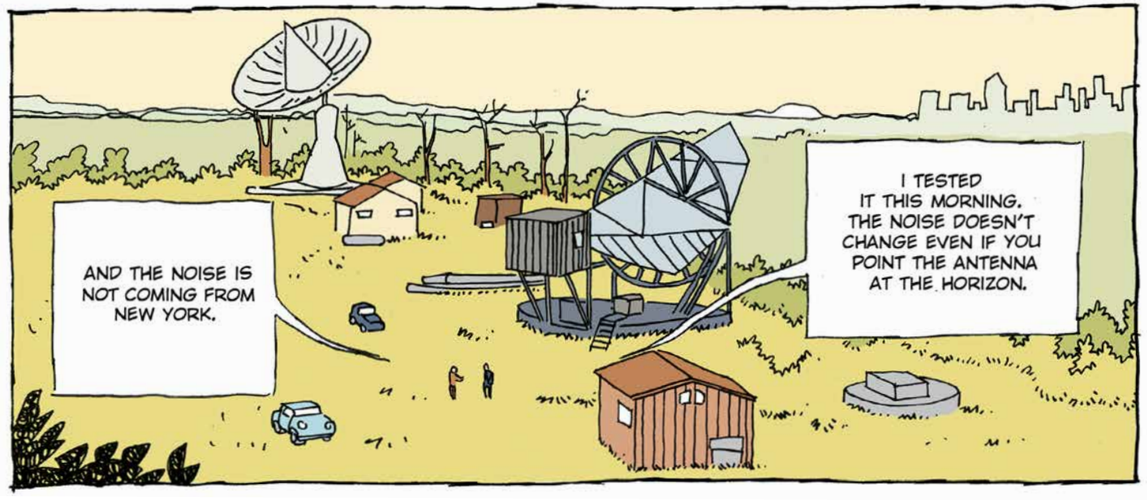

Accesso ai servizi igienici nel mondo
Solo il 68% della popolazione mondiale ha accesso a servizi igienici evoluti


QUANTA E QUALE PLASTICA GALLEGGIA?
1:5
Il 90% va a fondo.


Real shit
REAL SHIT
Il letame contiene tre dei 16 elementi che aiutano le piante a crescere. Una risorsa naturale molto preziosa
C'è chi la usa persino per cucinare deliziosi pranzetti, ma attenzione: non come ingrediente!



THE TRUE STORY OF THE SCIENTIFIC RESEARCH ON THE ORIGIN OF THE UNIVERSE, TOLD FOR THE FIRST TIME AS AN ENGAGING MYSTERY-STORY IN GRAPHIC NOVEL FORMAT.



GRAPHIC NOVEL,
FULL COLOR

SUBJECT: ASTROPHYSICS

PAGES: 144

ORIGINAL TITLE:
COSMICOMIC (2013)

AMEDEO BALBI
ROSSANO PICCIONI

COSMICOMIC
THE MEN WHO DISCOVERED THE BIG BANG

1964, Holmdel, New Jersey. While fine tuning an antenna, two young radio astronomers pick up an annoying and ubiquitous background noise. Their search for an explanation will lead them to trace back half a century of science history, between sensational discoveries and unfairly overlooked intuitions, following the work of different scientists – some more famous than others: from legends like Einstein and Hubble to a priest-scientist like Lemaître, from the sacrilegious Gamow to Hoyle the heretic. Each one caught a glimpse of part of the solution, but no one was able to put the whole picture together. As the plot develops, the idea that a simple buzz may hide something much more important becomes plausible. Perhaps it will even answer the questions humanity has asked since time immemorial: how did all of this begin, and when?

Amedeo Balbi is an astrophysicist and researcher at Università di Roma Tor Vergata. He has worked in popular science for years, taking part in radio and TV shows, speaking at conferences and writing for online, print and TV media. In 2011, he published with Codice Edizioni *Il buio oltre le stelle*.

Rossano Piccioni is a commercial artist and illustrator. In 2000, he founded the comics school Scuola di Fumetto Adriatica, and in 2005 he started an anthological magazine called "Denti", focused on the young emerging talents of comics.

- Foreign sales: French (Nouveau Monde), Korean (Green Knowledge), Portuguese (Gradiva), Spanish (Salamandra)

DAVIDE COERO BORGA

SCIENCE OF THE IMAGINATION

ILLUSTRATED BOOK,
FULL COLOR

SUBJECT: POPULAR SCIENCE

PAGES: 240

ORIGINAL TITLE:
SCIENZA DELLA FANTASIA
(2015)

How do the characters and places in children's literature end up under the microscope of the scientist? Behind what we are used to considering as simple little stories for children, are hidden ideas, stories and suggestions of science and technology. It is the history of science that is unwound like a ball of yarn in the tales by Perrault, the Brothers Grimm and Andersen: from the tricks and spells of the apprentice sorcerer to the mad scientist, imagination gives way to science fiction and lastly, to raw science.
Princesses, dragons, enchanted castles, elves, ogres, swords, magic wands, amulets, dwarves, adventurers, explorers, coats of armour, scientists, witches, frightening creatures and the wonders of nature inhabit the pages of this illustrated almanac of scientific fantasy – and tell the reader a new and surprising story.

Davide Coero Borga works with foundations and museums to create new languages with which to speak about science, technology and the environment. Together with Federico Taddia and Silvia Bencivelli, he conducts "Nautilus", a programme broadcast on Rai Scuola.
He has already published *Toymaker's Science* in 2012.

- Illustrations by Ester Chilese

DAVIDE COERO BORGA

TOYMAKER'S SCIENCE

ILLUSTRATED BOOK,
FULL COLOR

SUBJECT: POPULAR SCIENCE

PAGES: 224

ORIGINAL TITLE:
LA SCIENZA
DAL GIOCATTOLAIO (2012)

Toymaker's science is a plunge into the history of entire generations of children, in rediscovery of the fun and most used toys of the Twentieth Century, some of which were capable of influencing the decisions of well-known scientists, others which have become real icons. A small dictionary of the scientific toy, made up of short entries, illustrated by catchy graphics and a rich iconography. And most of all shovelfuls of curiosities: how many engineers are there among Meccano designers? Did you know that pieces of Lego are used to simulate the movement of robots on Mars? And that in the Fifties a "deluxe" version of the Little Chemist contained four different types of uranium?

Davide Coero Borga works with foundations and museums to create new languages with which to speak about science, technology and the environment. Together with Federico Taddia and Silvia Bencivelli, he conducts "Nautilus", a programme broadcast on Rai Scuola.

- Foreign sales: Chinese (Guangxi Normal University Press)

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