

Libri Giancarlo Genta

A teenager discovers his voice in this contemporary love story from “one of young adult literature’s greatest living writers” (Booklist). Shy teenager Karl is desperately in love with his girlfriend, Fiorella, a literary enthusiast who’s asked him to write her a letter in which he reveals his true self. There’s just one problem . . . Karl is dyslexic. Convinced that his attempts to express himself with words will end in disaster, Karl tracks down Fiorella’s favorite novelist and begs him to take up the task. The famous writer unexpectedly agrees, but on one condition: Karl must participate in a series of interviews so the author can pen an authentic portrait of his affections. What follows is a series of misunderstandings, a startling revelation, and an unusual bond that will change all three of their lives. A moving story of love and friendship, *Dying to Know You* is the perfect novel for “that cloudy expanse between older teenager and younger adult, a novel that doesn’t pretend to advise, but merely sees its characters for who they really are” (The Guardian). “This quietly understated performance captures the wistfulness of music in a minor key.” —Kirkus Reviews

Boris Pahor spent the last fourteen months of World War II as a prisoner and medic in the Nazi camps at Bergen-Belsen, Harzungen, Dachau and Natzweiler-Struthof. Twenty years later, as he visited the preserved remains of a camp, his experiences came back to him: the emaciated prisoners; the ragged, zebra-striped uniforms; the infirmary reeking of dysentery and death. *Necropolis* is Pahor’s stirring account of providing medical aid to prisoners in the face of the utter brutality of the camps – and coming to terms with the guilt of surviving when millions did not. It is a classic account of the Holocaust and a powerful act of remembrance.

Assalto al cielo è una ricognizione estremamente articolata e avanzata nel campo della fantascienza, che si serve di un apparato grafico e narrativo inedito, realizzato ad hoc per la pubblicazione, e di una batteria d'autori di rilievo nazionale e internazionale, scienziati, filosofi, giornalisti, storici dell'arte, del cinema, del teatro, sociologi, esperti di tecnologie aeronautiche e spaziali, scrittori di fantascienza, economisti, giuristi, storici del pensiero, epistemologi, architetti aerospaziali, ingegneri elettronici, esperti di robotica e informatici. La postfazione del saggio è affidata a Franco La Cecla, che individua analogie tra le ricerche antropologiche e il territorio della fantascienza. Un saggio conciso e denso di riflessioni ed esemplificazioni, che ci fa pensare che questi due territori e discipline potrebbero avere molte aree in comune, seppure con notevoli differenze. Un tale dispiegamento di forze e di autori è motivato dalla convinzione che una riflessione complessa e non semplificata nei territori della fantascienza, della scienza e della tecnologia sia oltremodo urgente e abbia bisogno di strumenti e prospettive multidisciplinari, aperte ai reali scenari sociali, scientifici e tecnologici che si stanno preparando e che la fantascienza, sia quella antica e delle origini sia quella contemporanea e modernista, ha sempre cercato d'anticipare, di descrivere, di disciplinare e formalizzare. L'uomo, scrutando il cielo stellato, ha sempre cercato di indagarne i misteri: la distanza dei corpi celesti dalla Terra, la loro struttura, le loro caratteristiche astrofisiche, cosmologiche e chimiche, le loro risorse energetiche, il desiderio di scoprire eventuali forme di vita extraterrestre. Considerando sia l'aspetto storico, sia quello scientifico, l'opera illustra gli avvenimenti più significativi della storia delle missioni spaziali, a partire dai primi Anni Cinquanta fino ai nostri giorni, e introduce le imprese più o meno prossime che l'umanità di prepara ad affrontare. Sebbene ipotizzare il futuro delle

esplorazioni spaziali sia compito arduo, una cosa appare certa: lo Spazio, come fonte di ricerca, di sviluppo scientifico e tecnologico, è e sarà una delle maggiori avventure del XXI secolo. BIOGRAFIA AUTORE: Valentino Bonato è nato a Torino, dove ha studiato e maturato le sue esperienze professionali nelle industrie aeronautiche e aerospaziali. Nella sua carriera si è occupato di progettazione aeronautica; ha ricoperto il ruolo di coordinatore di programmi internazionali per lo sviluppo e ricerca ESPRIT; in seguito ha ricoperto il ruolo di responsabile di programmi spaziali presso aziende aerospaziali torinesi. Infine è stato nominato ispettore consulente dell'Organizzazione Nazionale di Sorveglianza (ONS) delle produzioni spaziali.

Volume 2: System Design

Oltre l'orizzonte

Road Vehicle Dynamics

– F1 cars, Indycars & racing tyres: the autobiography of Nigel Bennett

Memorie, archivi, frammenti di un retro-futuro

Le porte dell'inferno

The book starts with an historical overview of road vehicles. The first part deals with the forces exchanged between the vehicle and the road and the vehicle and the air with the aim of supplying the physical facts and the relevant mathematical models about the forces which dominate the dynamics of the vehicle. The second part deals with the dynamic behaviour of the vehicle in normal driving conditions with some extensions towards conditions encountered in high-speed racing driving. Contents: Short Historical Notes on Motor Vehicles Forces Acting between Road and

WheelRoad Vehicle AerodynamicsLongitudinal DynamicsHandling of a Rigid VehicleMotor Vehicle on Elastic SuspensionsRoad Accidents Readership: Mechanical engineers. keywords:Motor Vehicle Dynamics;Motor Vehicle Handling;Motor Vehicle Comfort;Motor Vehicle Stability;Motor Vehicle Simulation;Motor Vehicle Aerodynamics;Motor Vehicle Suspensions;Tires;Road Accients;Vehicle-Driver Interaction “ ... the author provides an interesting and comprehensive treatment of a very complicated subject ... it would be a good addition to the bookshelf of any engineer with an interest in vehicle dynamics or general automotive technology.” Applied Mechanics Reviews

Now available in eBook for the first time, Richard Yates's groundbreaking collection of short fiction. The stories in Liars in Love are concerned with troubled relations and the elusive nature of truth. Whether it be in the depiction of the complications of divorced families, grown-up daughters, estranged sisters, office friendships or fleeting love affairs, the pieces in this collection showcase Richard Yates's extraordinary gift for observation and his understanding of human frailty. In this collection, you'll discover some of the most influential and sharply observed short fiction of the 20th century, and find out why Richard Yates was a true American master.

The period from the late fourth to the late second

century B. C. witnessed, in Greek-speaking countries, an explosion of objective knowledge about the external world. While Greek culture had reached great heights in art, literature and philosophy already in the earlier classical era, it is in the so-called Hellenistic period that we see for the first time — anywhere in the world — the appearance of science as we understand it now: not an accumulation of facts or philosophically based speculations, but an organized effort to model nature and apply such models, or scientific theories in a sense we will make precise, to the solution of practical problems and to a growing understanding of nature. We owe this new approach to scientists such as Archimedes, Euclid, Eratosthenes and many others less familiar today but no less remarkable. Yet, not long after this golden period, much of this extraordinary development had been reversed. Rome borrowed what it was capable of from the Greeks and kept it for a little while yet, but created very little science of its own. Europe was soon smothered in the obscurantism and stasis that blocked most avenues of intellectual development for a thousand years — until, as is well known, the rediscovery of ancient culture in its fullness paved the way to the modern age.

This book is an introduction to automotive engineering, to give freshmen ideas about this

technology. The text is subdivided in parts that cover all facets of the automobile, including legal and economic aspects related to industry and products, product configuration and fabrication processes, historic evolution and future developments. The first part describes how motor vehicles were invented and evolved into the present product in more than 100 years of development. The purpose is not only to supply an historical perspective, but also to introduce and discuss the many solutions that were applied (and could be applied again) to solve the same basic problems of vehicle engineering. This part also briefly describes the evolution of automotive technologies and market, including production and development processes. The second part deals with the description and function analysis of all car subsystems, such as: · vehicle body, · chassis, including wheels, suspensions, brakes and steering mechanisms, · diesel and gasoline engines, · electric motors, batteries, fuel cells, hybrid propulsion systems, · driveline, including manual and automatic gearboxes. This part addresses also many non-technical issues that influence vehicle design and production, such as social and economic impact of vehicles, market, regulations, particularly on pollution and safety. In spite of the difficulty in forecasting the paths that will be taken by automotive technology, the third part tries to

open a window on the future. It is not meant to make predictions that are likely to be wrong, but to discuss the trends of automotive research and innovation and to see the possible paths that may be taken to solve the many problems that are at present open or we can expect for the future. The book is completed by two appendices about the contribution of computers in designing cars, particularly the car body and outlining fundamentals of vehicle mechanics, including aerodynamics, longitudinal (acceleration and braking) and transversal (path control) motion. Calcolo di resistenza degli organi rotanti e dei recipienti cilindrici

Carne zen Ossa zen

Vehicle Dynamics

Do Dice Play God?

Practical Aspects

101 Storie zen, La porta senza porta, 10 Tori,

Trovare il centro

An unrivaled and illuminating exploration of the positive and negative aspects of space exploration discusses such topics as the value and importance of having humans in space; the likelihood, consequences, and benefits of future space technologies; and human colonization of our solar system. (Science & Mathematics)

Mechanical engineering, and engineering discipline born of the needs of the industrial revolution, is once

again asked to do its substantial share in the call for industrial renewal. The general call is urgent as we face profound issues of productivity and competitiveness that require engineering solutions, among others. The Mechanical Engineering Series is a series featuring graduate texts and research monographs intended to address the need for information in contemporary areas of mechanical engineering. The series is conceived as a comprehensive one that covers a broad range of concentrations important to mechanical engineering graduate education and research. We are fortunate to have a distinguished roster of series editors, each an expert in one of the areas of concentration. The names of the series editors are listed on page vi of this volume. The areas of concentration are applied mechanics, biomechanics, computational mechanics, dynamic systems and control, energetics, mechanics of materials, processing, thermal science, and tribology. Preface After 15 years since the publication of *Vibration of Structures and Machines* and three subsequent editions a deep reorganization and updating of the material was felt necessary. This new book on the subject of Vibration dynamics and control is organized in a larger number of shorter chapters, hoping that this can be helpful to the reader. New material has been added and many points have been updated. A larger number of examples and of exercises have been included.

Nigel Bennett's unique autobiography describes his life and career, from growing-up influenced by car design, to his education and the building of his 750 specials. He describes his work as Firestone Development Manager, recounting many tales of the outstanding designers and drivers of the period. Detailing his work in Formula 1, as a Team Lotus engineer, and then as Team Ensign designer, he also covers his Indycar designs at Theodore, Lola Cars and Penske Cars. Life after his retirement, his involvement in boat design and with modern F1 teams, are also recounted.

La più importante raccolta di testi sullo zen, brevi e folgoranti racconti sulla via dell'illuminazione.

Lonely Minds in the Universe

Vibration Dynamics and Control

Volume I: Components Design

Modeling and Simulation

How Science Was Born in 300 BC and Why it Had to Be Reborn

La regista di Hitler

This book presents an energetic approach to the performance analysis of internal combustion engines, seen as attractive applications of the principles of thermodynamics, fluid mechanics and energy transfer. Paying particular attention to the presentation of theory and practice in a balanced ratio, the book is an important aid both for students and for technicians, who want to widen their knowledge of basic principles

required for design and development of internal combustion engines. New engine technologies are covered, together with recent developments in terms of: intake and exhaust flow optimization, design and development of supercharging systems, fuel metering and spray characteristic control, fluid turbulence motions, traditional and advanced combustion process analysis, formation and control of pollutant emissions and noise, heat transfer and cooling, fossil and renewable fuels, mono- and multi-dimensional models of thermo-fluid-dynamic processes.

In un lontanissimo futuro, la scoperta del relitto di un'antica astronave, alla deriva nello spazio interstellare, sembra far luce sul nostro travagliato presente. Una squadra di paleoinformatici riesce a decifrare quel che resta delle memorie del computer di bordo e a ricostruire un racconto epico, che descrive le drammatiche circostanze in cui l'umanità della Terra entrò in contatto con le altre specie della Galassia. Siamo di fronte a un'epopea o alla memoria storica che riemerge dalla notte dei tempi? L'invasione, proveniente dal di fuori della nostra Galassia, distrugge un sistema dopo l'altro in una terrificante successione: l'intera civiltà della Via Lattea rischia l'estinzione. È una lotta contro un nemico senza volto, il mostruoso Qhrun, una misteriosa forma di vita aliena che minaccia l'universo, un'entità sconosciuta e insondabile, ma letale. La nebbia, che ne avvolge l'identità, inizierà a diradarsi soltanto al termine di questo primo volume della saga,

quando si farà strada una terribile verità. Il romanzo solleva domande profonde: cos'è un alieno? Quali pensieri o emozioni possono guidarne il comportamento, le reazioni, le scelte?

This textbook draws on the authors' experience gained by teaching courses for engineering students on e.g. vehicle mechanics, vehicle system design, and chassis design; and on their practical experience as engineering designers for vehicle and chassis components at a major automotive company. The book is primarily intended for students of automotive engineering, but also for all technicians and designers working in this field. Other enthusiastic engineers will also find it to be a useful technical guide. The present volume (The Automotive Chassis – Volume 1: Component Design) focuses on automotive chassis components, such as: •the structure, which is usually a ladder framework and supports all the remaining components of the vehicle; •the suspension for the mechanical linkage of the wheels; •the wheels and tires; •the steering system; •the brake system; and •the transmission system, used to apply engine torque to the driving wheels. This thoroughly revised and updated second edition presents recent developments, particularly in brake, steering, suspension and transmission subsystems. Special emphasis is given to modern control systems and control strategies. This interdisciplinary book probes the subject of extraterrestrial intelligent life, offering scientific and technological implications, discussing the philosophical

and religious connotations and rebuffing pseudo-scientific assertions such as 'rare earth'. The author discusses such philosophical questions as: What is intelligence? What is consciousness? Should we expect ETIs to be conscious beings? Also discussed is the viability of future astronautics which would enable closer human contact with ETI.

La ricerca delle intelligenze extraterrestri

L'americano. Tom Tjaarda a Torino 1958-2017

A Novel

Volume 1: Components Design

Ferrari

The Mathematics of Uncertainty

This book represents the author's reflection about the state of civilization, some possible futures and the deep moral implications of the great choices that civilization has to make. Very often such choices are driven by the more or less informal evolution of social and international relationships, rather than by a reasoned and motivated rationale. There is a big difference between United States and Europe in the perception of outer space, as an area of possible expansion. However, even where this discussion becomes far more advanced, it is hard to overcome the old paradigm of space exploration for its own sake, which has characterised the strategy of the world's largest and most advanced space agency, NASA. So much so that even NASA has often found itself needing to reinvent communication strategies, aimed at not losing the public funding necessary for its survival. Personally, before properly

understanding the mechanisms that determined this state of affairs for so long, I was always shocked and speechless when facing these manifestations of what I thought to be a cultural inconsistency. Why not state clearly that, should we not expand into space within this century, our civilisation would be prematurely terminated? Why not acknowledge that the expansion beyond the limits of our mother planet is an absolute and vital necessity for a civilization that will soon exceed eight billion individuals? The multiple reasons for such a failure, for not accepting the agencies' main mission are political, economic and military. They are philosophical as well, deeply rooted in what I call the pre-Copernican paradigm of the

L'idea che l'uomo non sia l'unica forma di vita nell'universo è molto antica, ma è solo dagli anni '60 del '900 che l'argomento, da oggetto di speculazione filosofica e teologica, è divenuto centro di serie indagini scientifiche da parte della bioastronomia e dell'astrobiologia. Nonostante la scienza proceda con cautela e i risultati delle ricerche siano stati fino a oggi piuttosto deludenti, l'opinione pubblica pare non avere dubbi: varie stirpi di extraterrestri visiterebbero il nostro pianeta intrattenendo contatti con gli umani; tracce del loro passaggio sarebbero chiaramente rintracciabili in fonti storico-archeologiche; e per di più, ciò sarebbe ben noto ai governanti del mondo che terrebbero nascosta la verità per sete di potere. Ma è veramente possibile oggi dare risposta alla domanda: «Siamo soli nell'universo?». Attraverso un'approfondita analisi scientifica e storica, demistificando le più diffuse idee sull'argomento, e senza rinunciare a un tocco di

ironia, gli autori fanno chiarezza su un tema attualissimo e quanto mai controverso, che in realtà tocca il profondo desiderio dell'uomo di varcare i confini del conosciuto.

From the Nebula Award-winning author of "Timescape" and "Foundation's Fear" comes a hard-science thriller about the race to Mars that will tie into NASA's upcoming landing on the planet.

The aim of the present book is to address practical aspects of nonlinear vibration analysis. It presents cases rarely discussed in the existing literature on vibration - such as rotor dynamics, and torsional vibration of engines - which are problems of considerable interest for engineering researchers and practical engineers. The book can be used not only as a reference but also as material for graduate students at Engineering departments, as it contains problems and solutions for each chapter.

Vibration of Structures and Machines

An Italian Legend

Motor Vehicle Dynamics: Modeling and Simulation

The Martian Race

L'automobile. Evoluzione di una tecnologia

Fantascienza - rivista (53 pagine) - Uno speciale sulla trilogia di Korolev di Paolo Aresi e servizi su Snyder cut Justice League, il film che vede protagonisti tutti i supereroi DC Comics, e Radicalized. Quattro storie del futuro, un'antologia di Cory Doctorow sono i punti di forza del numero 225 di Delos Science Fiction che potete leggere online.

Sergej Pavlovi Korolev è stato l'ingegnere sovietico che ha portato il primo satellite in orbita, lo Sputnik, il primo uomo e la prima donna nello spazio, Jurij Gagarin e Valentina Tereškova, ed ha portato ad un passo i sovietici sulla Luna. Ma il Progettista Capo, come veniva chiamato, morì nel 1966, a soli 59 anni e come sappiamo ad andare

sul nostro satellite furono gli americani, con la missione Apollo 11. Ma se Korolev non fosse morto... È da quest'ultima premessa che nasce la Trilogia di romanzi di Paolo Aresi con protagonista proprio Korolev, a cui è dedicato lo speciale del numero 225 di Delos Science Fiction, la nostra rivista di approfondimento. I tre romanzi dello scrittore bergamasco – Il caso Korolev, Korolev: la luce di Eris e La stella rossa di Korolev, tutti pubblicati da Delos Digital – immaginano che Korolev si sia lanciato con un razzo N1 verso Marte e che ci sia arrivato morente, ma sopravvive e viene ritrovato 118 anni dopo da astronauti americani e da qui si dipana una storia che si trasforma in una vera e propria epopea cosmica. Ne parliamo con lo stesso Aresi in un'intervista e lo stesso scrittore ci introduce alla saga con la sua prefazione all'ultimo romanzo, La stella rossa di Korolev, pubblicato da poche settimane. Sempre restando su Marte, Vincenzo Graziano intervista il professor Giancarlo Genta sul suo romanzo Le rosse cupole di Acheron, ma anche su come andremo sul pianeta rosso nei prossimi anni. Arturo Fabra, invece, ci racconta di Zach Snyder's Justice League, il film che vede protagonisti tutti i supereroi DC Comics, in quello che è uno dei pochi film della stagione in corso che si può considerare un vero e proprio evento. Infine, recensiamo Radicalized. Quattro storie del futuro, un'antologia di Cory Doctorow appena pubblicata da Mondadori nella collana Oscar fantastica. Nella sezione rubriche, Giuseppe Vatinno disquisisce di Communion, un film di fantascienza del 1989, diretto da Philippe Mora, mentre Donato Rotelli ci parla di Kentuki romanzo di Samantha Schwebelin, pubblicato nel 2019 dall'editore SUR. Nella rubrica Anteprime dal futuro, invece, potrete conoscere il nuovo romanzo di Jeff VanderMeer, appena uscito sul mercato anglosassone. Il racconto di questo mese è di Adriano Dragotta ed è dedicato a Dante, di cui quest'anno ricorrono i 700 anni dalla morte. Rivista fondata da Silvio Sosio e diretta da Carmine Treanni.

Nel più completo, dettagliato e aggiornato libro mai pubblicato su Marte, l'autore espone la sua minuziosa ricerca riguardo tutte le conoscenze sul pianeta rosso, anticipa le prossime rivelazioni

scientifiche e ci guida alla ricerca di possibili risposte alle domande riguardanti il perché il pianeta rosso è stato così importante per tutte le antiche civiltà, e sul probabile perché sia sovente stato associato a una divinità della guerra e ai concetti di vita e rinascita. Dalle prime osservazioni fino alle ultime scoperte scientifiche frutto dell'esplorazione spaziale, l'autore propone un viaggio tra astronomia, storia, mitologia e attualità. Pagina dopo pagina emerge chiaro come l'idea che avevamo riguardo il passato e il presente di Marte, sia completamente cambiata. Le analogie tra quanto ora conosciamo dal punto di vista scientifico-astronomico e le conoscenze delle antiche civiltà, aprono scenari affascinanti. Dalle civiltà mesopotamiche a quelle del mediterraneo, passando per l'Egitto, le civiltà del centro e Sud America, quelle dei nativi americani, delle civiltà dell'India, del Giappone fino a quella degli aborigeni australiani, l'incredibile quantità di informazioni riguardo il passato di Marte, e forse della Terra, contenuta nei miti antichi porterà il lettore a interrogarsi su molti aspetti della vita, del nostro passato e del nostro futuro che diamo forse per scontati. Sinossi Creazionismo o abiogenesi? Per spiegare la comparsa della vita sulla Terra c'è una terza via. Una possibilità che appare oggi essere la più logica e probabile, alla luce delle oggettive scoperte scientifiche degli ultimi anni. Una possibilità che addirittura sembra essere stata di conoscenza comune in molte civiltà del passato, in cui Marte (pianeta e divinità) ha lasciato il segno. Una pagina dopo l'altra, scopriremo realtà o possibilità sorprendenti. "Il lato oscuro di Marte - dal mito alla colonizzazione" è il libro che racconta la possibile storia del nostro passato e del nostro prossimo futuro, legato a doppio filo con il pianeta rosso. Le ricostruzioni storiche che tutti oggi conoscono, sono frutto delle sommarie conoscenze che avevamo in passato, quando queste ricostruzioni sono state elaborate. Oggi però, disponiamo di informazioni più oggettive e aggiornate per provare a formulare una nuova versione più verosimile, creata e coerente della storia dell'uomo, di Marte, della Terra e della vita nel nostro sistema solare. Marte è rimasto impresso nell'immaginazione umana

fin dalle prime osservazioni, e nemmeno l'ascesa della scienza e della tecnologia ha interrotto il fascino che ha sempre circondato questo pianeta. I telescopi, nel 1880, rivelarono strani segni sulla superficie del pianeta rosso. Il pianeta rosso nel passato ha influenzato la Terra e la vita dell' uomo molto di più di quanto potrà forse fare nel futuro, condizionando il pensiero, il linguaggio e la quotidianità di centinaia di migliaia di generazioni, fino ai giorni nostri. Il legame tra l' umanità e Marte è un qualcosa di profondo, che trascende il mito, la leggenda e risiede nel profondo dell' animo umano, forse addirittura nel suo codice genetico. Nel prossimo decennio assisteremo ad annunci sorprendenti. Il quadro della situazione descritto nel libro preparerà il lettore a questa prossima realtà. Ci è che stiamo per sapere sul passato del pianeta rosso, costringerà l'uomo a rivedere sotto nuova luce, la storia passata della Terra e della vita su di essa!

"Road Vehicle Dynamics supplies students and technicians working in industry with both the theoretical background of mechanical and automotive engineering, and the know-how needed to perform numerical simulations. Bringing together the foundations of the discipline and its recent developments in a single text, the book is structured in three parts: it begins with a historical overview of road vehicles; then deals with the forces exchanged between the vehicle and the road, and the vehicle and the air; and finally, deals with the dynamic behavior of the vehicle in normal driving conditions with some extensions towards conditions encountered in high-speed racing. Coverage of contemporary automatic controls is included in this edition."--Publisher's website.

- Un saggio divulgativo sul rapporto uomo/tecnologia
- Punto di vista scientifico (Genta) e socio-culturale (Riberi) a confronto
- Prefazioni di Lucio Russo, docente universitario di Matematica e Storia della Scienza, e di Giuseppe Tanzella-Nitti, astronomo e teologo

The Automotive Body

Il Lato Oscuro di Marte - Dal Mito Alla Colonizzazione
Stories

Liars in Love

Catalogo dei libri in commercio

Dalle caverne allo spazio: come la tecnologia ci ha resi umani

Ferraris are dreams come true for lovers of four-wheeled vehicles, and veritable cult objects for appassionati and collectors from around the world. This book takes an all encompassing look at these symbols of Italian excellence.

This work serves as a reference concerning the automotive chassis, i.e. everything that is inside a vehicle except the engine and the body. It is the result of a decade of work mostly done by the FIAT group, who supplied material, together with other automotive companies, and sponsored the work. The first volume deals with the design of automotive components and the second volume treats the various aspects of the design of a vehicle as a system.

Based on lecture notes on a space robotics course, this book offers a pedagogical introduction to the mechanics of space robots. After presenting an overview of the environments and conditions space robots have to work in, the author discusses a variety of manipulatory devices robots may use to perform their tasks. This is followed by a discussion of robot mobility in these environments and the various technical approaches. The last two chapters are dedicated to actuators, sensors and power systems used in space robots. This book fills a gap in the space technology literature and will be useful for students and for those who have an interest in the broad and highly interdisciplinary field of space robotics, and in particular in its mechanical aspects.

“The Automotive Body” consists of two volumes. The first volume produces the needful cultural background on the body; it describes the body and its components in use on most kinds of cars and industrial vehicles: the quantity of drawings that are presented allows the reader to familiarize with the design features and to understand functions, design motivations and fabrication feasibility, in view of the existing production processes. The second volume addresses the body system engineer and has the objective to lead him to the specification definition used to finalize detail design and production by the car manufacturer or the supply chain. The processing of these specifications, made by mathematical models of different complexity, starts always from the presentations of the needs of the customer using the vehicle and from the large number of rules imposed by laws and customs. The two volumes are completed by references, list of symbols adopted and subjects index. These two books about the vehicle body may be added to those about the chassis and are part of a series sponsored by ATA (the Italian automotive engineers association) on the subject of automotive engineering; they follow the first book, published in 2005 in Italian only, about automotive transmission. They cover automotive engineering from every aspect and are the result of a five-year collaboration between the Polytechnical University of Turin and the University of Naples on automotive engineering.

Leni Riefenstahl

Technology and the Growth of Civilization

A Greater World Is Possible

Inspired to Design
The Forgotten Revolution
Il silenzio dell'universo

The authors examine in detail the fundamentals and mathematical descriptions of the dynamics of automobiles. In this context, different levels of complexity are presented, starting with basic single-track models to complex three-dimensional multi-body models. A particular focus is on the process of establishing mathematical models based on real cars and the validation of simulation results. The methods presented are explained in detail by means of selected application scenarios. In addition to some corrections, further application examples for standard driving maneuvers have been added for the present second edition. To take account of the increased use of driving simulators, both in research, and in industrial applications, a new section on the conception, implementation and application of driving simulators has been added.

Our natural world has been irretrievably altered by humans, for humans. From domesticated wheat fields to nuclear power plants and spacecraft, everything we see and interact with has in some way been changed by the presence of our species, starting from the Neolithic era many centuries ago. This book provides a crash course on the issues and debates surrounding technology's shifting place in our society. It covers the history of our increasingly black-box world, which some theorize will end with technology accelerating beyond our

understanding. At the same time, it analyzes competing trends and theories, the lack of scientific knowledge of large sections of the population, the dogmas of pseudoscience, and the growing suspicion of science and technology, which may inevitably lead to scientific stagnation. What will the future of our civilization look like? How soon might scientific acceleration or stagnation arrive at our doorstep, and just how radically will such technological shifts change our culture? These are issues that we must address now, to insure our future goes the way we choose.

Oltre l'orizzonte Dalle caverne allo spazio: come la tecnologia ci ha resi umani Edizioni Lindau

Uncertainty is everywhere. It lurks in every consideration of the future - the weather, the economy, the sex of a unborn child - even quantities we think that we know as populations or the transit of the planets contain the possibility of error. It's no wonder that, throughout the history, we have attempted to produce rigidly defined areas of uncertainty - we prefer the surprise party to surprise asteroid. We began our quest to make certain uncertain world by reading omens in livers, tea leaves, and the stars. However, over the centuries, driven by curiosity, competition, and a desire be better gamblers pioneering mathematicians and scientists began to reduce wild uncertainties to tame distributions of probability and statistical inferences. But, even as unknown unknowns became known unknowns, our pessimism made us believe that some problems were unsolvable and our intuition

misled us. Worse, as we realized how omnipresent and varied uncertainty is, we encountered chaos, quantum mechanics, and the limitations of our predictive power. Bestselling author Professor Ian Stewart explores the history and mathematics of uncertainty. Touching on gambling, probability, statistics, financial and weather forecasts, censuses, medical studies, chaos, quantum physics, and climate, he makes one thing clear: a reasonable probability is the only certainty.

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Il cacciatore

Gravità Zero - Missione Spazio

The Expansion of Civilization Beyond the Limits of Our Home Planet Is the Moral Issue of Our Time

Grande artista o abilissima propagandista? Il giudizio sulla Riefenstahl è ancora aperto e nasconde una questione più grande: il rapporto fra l'arte e la morale.

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