

A Ih Bik Link Springer Book Archivo De Medios Compartir Archivos Gratis

This contributed volume provides new approaches, fresh ideas, valuable insights, and latest research in leadership—from strategic business (model) innovation to system design and humanity—and is a knowledge source and inspirational guide for scientists and practitioners alike. A key theme is the provision of an integrated perspective on leadership in strategy and communication which allow (senior) leaders, managing directors, project managers, and individuals to (1) better link strategic business innovation and leadership and (2) shift to the new human self-leadership paradigm and in particular leadership advances that consider ideas from multiple disciplines and transgenerational views. That includes a new understanding about knowledge, learning and change and how leaders re-discover and develop their human abilities, which include intuition/strength, balance and clarity, projection-reflection, and wisdom. This volume also makes an important contribution to the evolving academic domain by providing the latest insights on trauma research, DNA healing, system (re)design, and growth & abundance mindset in the advanced co-creation age.

Throughout human history, technological advancements have been made for the ease of human labor. With our most recent advancements, it has been the work of scholars to discover ways for machines to take over a large part of this labor and reduce human intervention. These advancements may become essential processes to nearly every industry. It is essential to be knowledgeable about automation so that it may be applied. Research Anthology on Cross-Disciplinary Designs and Applications of Automation is a comprehensive resource on the emerging designs and application of automation. This collection features a number of authors spanning multiple disciplines such as home automation, healthcare automation, government automation, and more. Covering topics such as human-machine interaction, trust calibration, and sensors, this research anthology is an excellent resource for technologists, IT specialists, computer engineers, systems and software engineers, manufacturers, engineers, government officials, professors, students, healthcare administration, managers, CEOs, researchers, and academicians.

This book presents 8 tutorial lectures given by leading researchers at the 16th edition of the International School on Formal Methods for the Design of Computer, Communication and Software Systems, SFM 2016, held in Bertinoro, Italy, in June 2016. SFM 2016 was devoted to the Quantitative Evaluation of Collective Adaptive Systems and covered topics such as self-organization in distributed systems, scalable quantitative analysis, spatio-temporal models, and aggregate programming.

This book takes a look at fully automated, autonomous vehicles and discusses many open questions: How can autonomous vehicles be integrated into the current transportation system with diverse users and human drivers? Where do automated vehicles fall under current legal frameworks? What risks are associated with automation and how will society respond to these risks? How will the marketplace react to automated vehicles and what changes may be necessary for companies? Experts from Germany and the United States define key societal, engineering, and mobility issues related to the automation of vehicles. They discuss the decisions programmers of automated vehicles must make to enable vehicles to perceive their environment, interact with other road users, and choose actions that may have ethical consequences. The authors further identify expectations and concerns that will form the basis for individual and societal acceptance of autonomous driving. While the safety benefits of such vehicles are

tremendous, the authors demonstrate that these benefits will only be achieved if vehicles have an appropriate safety concept at the heart of their design. Realizing the potential of automated vehicles to reorganize traffic and transform mobility of people and goods requires similar care in the design of vehicles and networks. By covering all of these topics, the book aims to provide a current, comprehensive, and scientifically sound treatment of the emerging field of "autonomous driving".

This book contains an abundance of numerical analyses based on significant data sets, illustrating importance of environmentally friendly solutions requiring transport networks to be redesigned or clean zones to be implemented. What kind of steps should be taken to redesign transport network? How to evaluate efficiency or flexibility of transport system and city logistics? What factors can be taken into account in the process of optimizing the functioning of public transport or paid parking zones? How to optimize supply chains (including last mile delivering and routing problem)? Which of the multi-criteria methods should be applied to support decision making processes while tackling problems of global transport systems? Answers to these and many other questions can be found in this book. With regard to the research results discussed and the selected solutions applied, the book entitled "Decision support methods in modern transportation systems and networks" primarily addresses the needs of three target groups: · Scientists and researchers (ITS field) · Local authorities (responsible for the transport systems at the urban and regional level) · Representatives of business (traffic strategy management) and industry (manufacturers of ITS components).

Harley-Davidson(R) Museum Masterpieces

Demand for Emerging Transportation Systems

Intelligent Computer Mathematics

Advancement in Materials, Manufacturing and Energy Engineering, Vol. II

An Analysis of the Practice of Utility Cycling

MKM, Calculemus, DML, and Systems and Projects 2013, Held as Part of CICM 2013, Bath, UK, July 8-12, 2013, Proceedings

Let's Mountain Bike!

This book offers systematic instruction and evidence-based guidance to academic authors. It demystifies scholarly writing and helps build both confidence and skill in aspiring and experienced authors. The first part of the book focuses on the author's role, writing's risks and rewards, practical strategies for improving writing, and ethical issues. Part Two focuses on the most common writing tasks: conference proposals, practical articles, research articles, and books. Each chapter is replete with specific examples, templates to generate a first draft, and checklists or rubrics for self-evaluation. The final section of the book counsels graduate students and professors on selecting the most promising projects; generating multiple related, yet distinctive, publications from the same body of work; and using writing as a tool for professional development. Written by a team that represents outstanding teaching, award-winning writing, and extensive editorial experience, the book leads teacher/scholar/authors to replace the old "publish or perish" dictum with a different, growth-seeking orientation: publish and flourish.

Get an eyeful of the most beautiful Harley-Davidson bikes on the market, the CVO. This fully illustrated volume is loaded with the most mouthwatering bikes

out there.

This book investigates why and how cycle and walking paths can help to promote the regeneration of marginalized areas facing depopulation and economic decline. In addition, it offers a broad overview of recent scientific research into slow tourism and marginality/spatial inequality and explores the linkages between these topics. Key issues are addressed by experts from various disciplinary backgrounds, and potential measures are proposed for the integration of slow tourism into strategies for regional development. Particular attention is devoted to the VENTO project, which involves the creation of a 700-km-long cycle route from Venice to Turin that passes through various rural and marginalized areas of northern Italy. The goal, research process, design, and early lessons from this important project are all discussed in detail. Moreover, the book describes policies and strategies that have successfully been used to enhance the slow tourism infrastructure in other European countries. Given its scope, the book will appeal to researchers, professionals, and students interested in e.g. policymaking, tourism planning, regional development, and landscape and urban planning.

This book focuses on sustainability concepts in architecture and urban design, environmental issues, and natural resources. Today it has become essential to reduce carbon emissions, protect habitats, and preserve the delicate ecosystems of our planet. Accordingly, sustainable development has to be improved by decreasing the consumption of non-renewable resources, in order to help nature replenish itself. Further, it highlights the efforts that have been made by architects, environmentalists, engineers, students, planners and everyone in between in order to improve sustainability in various developing communities and countries.

Everything you need to be your best on the trails. This book contains extensive advice and tips that cover all aspects of mountain biking. The information is presented with clear and understandable language and visuals, making it easy to digest and apply. Riders of all ages, from the complete beginner to the more advanced will benefit from the information revealed in Let's Mountain Bike! It's an indispensable guide for those looking to hit the trails and become their best. Choosing the right bike Hitting the trails fully prepared Making the climbs easier Braking for efficiency, speed, and safety Negotiating obstacles Mental toughness, focus, and state of mind Avoiding accidents Proper bike care Much more Thousands of trails are waiting... so Let's Mountain Bike! Visit letsmountainbike.com to see more from this author.

String Processing and Information Retrieval

Cycling to Work

Bike Share

Cycling & Walking for Regional Development

Towards Implementation of Sustainability Concepts in Developing Countries

Technical, Legal and Social Aspects

Climate Shock

There are now over 2,000 cities with a bike share program. Bike Share examines all the major developments in the 50-year history of bike share. The book provides a detailed focus on contemporary bike share programs, including many of the most prominent systems, such as those in Paris, London, and New York, as well as the rapidly emerging dockless bike share sector. This book also addresses how rapid technological innovation, particularly in terms of mobile internet devices and electric assist bicycles may change the face of not just cycling, but urban mobility more generally. By the end of 2018 it was estimated that there are more than 10 million bicycles in the global bike share fleet, with most of these dockless, coming online only in the last three years. Consequently, research examining bike share has not kept pace with the rapid deployment of this new form of urban mobility. Bike Share addresses a number of key themes such as: The urban age, contextualising bike share within a wider urbanism movement and how it sits within the growing sharing economy. The impact of bike share, looking at systems in China, Europe, North America and Australia to see how these programs have changed travel patterns and consequent impact on car use, emissions, congestion, public health and safety. The bike share business model, including how ride sourcing services like Uber and Lyft are beginning to integrate their business with bike share service providers. Public reaction to bike share. Bike share gone wrong, looking at systems that have failed to achieve their ridership estimates. And the future of bike share including public transport smart card integration, mobile payments, and electric assist bicycles. The book provides scholars, city planners, transportation practitioners and students with a resource that captures the most pertinent scientific findings and practical lessons that have been from bike share programs around the world.

This volume offers the state-of-the-art research and developments in service science and related research, education and practice areas. It showcases emerging technology and applications in fields including healthcare, energy, finance, information technology, transportation, sports, logistics, and public services. Regardless of size and service, a service organization is a service system. Because of the socio-technical nature of a service system, a systems approach must be adopted to design, develop, and deliver services, aimed at meeting end users' both utilitarian and socio-psychological needs. Effective understanding of service and service systems often requires combining multiple methods to consider how interactions between people, technology, organizations, and information create value under various conditions. Chapters highlight ways to approach such technical challenges in service science and are based on submissions from the 2020 INFORMS International Conference on Service Science. This textbook for courses on function data analysis and shape data analysis describes how to define, compare, and mathematically represent shapes, with a focus on statistical modeling and inference. It is aimed at graduate students in analysis in statistics, engineering, applied mathematics, neuroscience, biology, bioinformatics, and other related areas. The interdisciplinary nature of the broad range of ideas covered—from introductory theory to algorithmic implementations and some statistical case studies—is meant to familiarize graduate students with an array of tools that are relevant in developing computational solutions for shape and related analyses. These tools, gleaned from geometry, algebra, statistics, and computational science, are traditionally scattered across different courses, departments, and disciplines; Functional and Shape Data Analysis offers a unified, comprehensive solution by integrating the registration problem into shape analysis, better preparing graduate students for handling future scientific challenges. Recently, a data-driven and application-oriented focus on shape analysis has been trending. This text offers a self-contained treatment of this new generation of methods in shape analysis of curves. Its main focus is shape analysis of functions and curves—in one, two, and higher dimensions—both closed and open. It develops elegant Riemannian frameworks that provide both quantification of shape differences and

registration of curves at the same time. Additionally, these methods are used for statistically summarizing given curve data, performing dimension reduction, and modeling observed variability. It is recommended that the reader have a background in calculus, linear algebra, numerical analysis, and computation.

The field of lifestyle medicine, which is the study of how daily habits and actions impact on both short- and long-term health and quality of life, continues to expand globally. The scientific and medical literature that supports the success of these lifestyle habits and actions is now overwhelming. Thousands of studies provide evidence that regular physical activity, maintenance of a health body weight, following sound nutritional practices, stress reduction, and other good practices all profoundly impact both health and quality of life. Following its predecessors, *Lifestyle Medicine, Third Edition*, is edited by lifestyle medicine pioneer, cardiologist Dr. James Rippe. This edition has been thoroughly updated and represents the expert opinions of 20 section editors as well as more than 150 expert chapter authors whose knowledge span all aspects of this emerging discipline. Topics cover lifestyle medicine practices including regular physical activity, proper nutrition, and weight management. These principles are applied to the prevention and or treatment of a wide variety of chronic conditions ranging from heart disease and diabetes to cancer, mental health, addiction, and injury prevention. This book serves as evidence base for individuals who wish to practice lifestyle medicine or incorporate some of its principles into either general medicine or subspecialty practice. It provides valuable information to healthcare workers in the fields of nutrition, exercise physiology, psychology, behavioral medicine, health promotion, and public policy where lifestyle medicine principles play an ever-increasing role.

Features 51 bikes from the Harley-Davidson Museum with profiles of each bike and its place in history, along with technical specifications and trivia.

Biomechanics of Cycling

Harley-Davidson(R) CVO(tm) Motorcycles

14th Scientific and Technical Conference "Transport Systems. Theory & Practice 2017"

Selected Papers

Future North

Proceedings of the International Conference on Intelligent Vision and Computing (ICIVC 2021)

Transitions and Tools that Support Scholars' Success

Modeling Adoption, Satisfaction, and Mobility Patterns

This open access book brings together research findings and experiences from science, policy and practice to highlight and debate the importance of nature-based solutions to climate change adaptation in urban areas. Emphasis is given to the potential of nature-based approaches to create multiple-benefits for society. The expert contributions present recommendations for creating synergies between ongoing policy processes, scientific programmes and practical implementation of climate change and nature conservation measures in global urban areas. Except where otherwise noted, this book is licensed under a Creative Commons Attribution 4.0 International License. To view a copy of this license, visit

<http://creativecommons.org/licenses/by/4.0/>

The changing Arctic is of broad political concern and is being studied across many fields. This book investigates ongoing changes in the Arctic from a landscape perspective. It examines settlements and territories of the Barents Sea Coast, Northern Norway, the Russian Kola Peninsula, Svalbard and Greenland from an interdisciplinary, design-based and future-oriented perspective. The Future North project has travelled Arctic regions since 2012, mapped landscapes and settlements, documented stories and practices, and discussed possible futures with local actors.

Reflecting the multidisciplinary nature of the project, the authors in this book look at political and economic strategies, urban development, land use strategies and local initiatives in specific locations that are subject to different forces of change. This book explores current material conditions in the Arctic as effects of industrial and political agency and social initiatives. It provides a combined view on the built environment and urbanism, as well as the cultural and material landscapes of the Arctic. The chapters move beyond single-disciplinary perspectives on the Arctic, and engage with futures, cultural landscapes and communities in ways that build on both architectural and ethnographic participatory methods.

The “2019 DigitalFUTURES — The 1st International Conference on Computational Design and Robotic Fabrication (CDRF 2019)” provides an international platform for advanced scientific research papers on the digital technology of architectural design and construction. The themes of the papers include, but are not limited to, architectural theories, tools, methods and procedures in material intelligence, data intelligence; computational intelligence, and robotic intelligence.

This book is a collation of numerous valuable guidelines for making decisions based on recent advances and improvement of transport systems. Offering know-how and discussing practical examples as well as decision-making support systems it is of interest of those who face the challenge of seeking solutions to contemporary transport system problems on a daily basis, including local authorities involved in planning and preparation of development strategies for specific transport related areas (in both urban and regional dimension) as well as representatives of business and industry who participate directly in the implementation of traffic engineering solutions. The guidelines are provided in individual chapters, making it possible to address the given problem in an advanced manner and simplify the choice of appropriate strategies (including those related to increasing competitiveness of public transport; identifying bus lines to potentially be serviced by electric buses; pedestrian traffic solutions; developing bike-sharing systems; safety conditions in road tunnels; integrating supply chains or route planning support by means of technologically advanced systems and applications). On the other hand, since the book also addresses the new approach to theoretical models (including traffic flow surveys and measurements, transport behaviours, capacity models, delay modelling and road condition modelling), it appeals to researchers and scientists studying this body of problems. The book entitled Recent Advances in Traffic Engineering for Transport Networks and Systems includes selected papers submitted to and presented at the 14th Scientific and Technical Conference “Transport Systems. Theory and Practice” organised by the Department of Transport Systems and Traffic Engineering at the Faculty of Transport of the Silesian University of Technology. The conference was held on 18–20 September 2017 in Katowice (Poland).

Charts the emerging world awareness of environmental issues. Provides an A-Z glossary of key terms, a comprehensive directory, an extensive bibliography, detailed maps and a Who's Who.

*Shifting Perspective on Innovation, Leadership, and System Design
Advances in Mobility-as-a-Service Systems*

The Environment Encyclopedia and Directory 2001

Proceedings of the 2018 INFORMS International Conference on Service Science

Writing for Publication

Formal Methods for the Quantitative Evaluation of Collective Adaptive Systems

Probability with Applications in Engineering, Science, and Technology

This book constitutes the refereed proceedings of the 20th International Symposium on String Processing and Information Retrieval, SPIRE 2013, held in Jerusalem, Israel, in October 2013. The 18 full papers, 10 short papers were carefully reviewed and selected from 60 submissions. The program also featured 4 keynote speeches. The following topics are covered: fundamentals algorithms in string processing and information retrieval; SP and IR techniques as applied to areas such as computational biology, DNA sequencing, and Web mining.

This open access book not only describes the challenges of climate disruption, but also presents solutions. The challenges described include air pollution, climate change, extreme weather, and related health impacts that range from heat stress, vector-borne diseases, food and water insecurity and chronic diseases to malnutrition and mental well-being. The influence of humans on climate change has been established through extensive published evidence and reports. However, the connections between climate change, the health of the planet and the impact on human health have not received the same level of attention. Therefore, the global focus on the public health impacts of climate change is a relatively recent area of interest. This focus is timely since scientists have concluded that changes in climate have led to new weather extremes such as floods, storms, heat waves, droughts and fires, in turn leading to more than 600,000 deaths and the displacement of nearly 4 billion people in the last 20 years. Previous work on the health impacts of climate change was limited mostly to epidemiologic approaches and outcomes and focused less on multidisciplinary, multi-faceted collaborations between physical scientists, public health researchers and policy makers. Further, there was little attention paid to faith-based and ethical approaches to the problem. The solutions and actions we explore in this book engage diverse sectors of civil society, faith leadership, and political leadership, all oriented by ethics, advocacy, and policy with a special focus on poor and vulnerable populations. The book highlights areas we think will resonate broadly with the public, faith leaders, researchers and students across disciplines including the humanities, and policy makers.

Cycling to Work An Analysis of the Practice of Utility Cycling Springer Nature

This book collates papers presented at two international conferences (held at the Australian National University in 2018 and Birkbeck College London in 2019) exploring the relationships between big history and astrobiology and their wider implications for society. These two relatively new academic disciplines aim to integrate human history with the wider history of the universe and the search for life elsewhere. The book will show that, despite differences in emphasis, big history and astrobiology share much in common, especially their interdisciplinary approaches and the cosmic and evolutionary perspectives that they both engender. Specifically, the book addresses the unified, all-embracing, nature of knowledge, the impact of big history on humanity and the world at large, the possible impact of SETI on astrobiology and big history, the cultural signature of Earth's inhabitants beyond our own planet, and the political implications of a planetary worldview. The principal readership is envisaged to comprise scholars working in the fields of astrobiology, big history and space exploration interested in forging interdisciplinary links between these diverse topics, together with educators, and a wider public, interested in the societal implications of the cosmic and evolutionary perspectives engendered by research in these fields.

How knowing the extreme risks of climate change can help us prepare for an uncertain future If you had a 10 percent chance of having a fatal car accident, you'd take necessary precautions. If

your finances had a 10 percent chance of suffering a severe loss, you'd reevaluate your assets. So if we know the world is warming and there's a 10 percent chance this might eventually lead to a catastrophe beyond anything we could imagine, why aren't we doing more about climate change right now? We insure our lives against an uncertain future—why not our planet? In *Climate Shock*, Gernot Wagner and Martin Weitzman explore in lively, clear terms the likely repercussions of a hotter planet, drawing on and expanding from work previously unavailable to general audiences. They show that the longer we wait to act, the more likely an extreme event will happen. A city might go underwater. A rogue nation might shoot particles into the Earth's atmosphere, geoengineering cooler temperatures. Zeroing in on the unknown extreme risks that may yet dwarf all else, the authors look at how economic forces that make sensible climate policies difficult to enact, make radical would-be fixes like geoengineering all the more probable. What we know about climate change is alarming enough. What we don't know about the extreme risks could be far more dangerous. Wagner and Weitzman help readers understand that we need to think about climate change in the same way that we think about insurance—as a risk management problem, only here on a global scale. With a new preface addressing recent developments Wagner and Weitzman demonstrate that climate change can and should be dealt with—and what could happen if we don't do so—tackling the defining environmental and public policy issue of our time.

The Ethics of Eating Animals

The Motor Company's Custom Vehicle Operations(R)

Research Anthology on Cross-Disciplinary Designs and Applications of Automation Intelligent Systems and Applications

The Complete Guide to Mountain Biking

How Slowness Regenerates Marginal Areas

16th International School on Formal Methods for the Design of Computer, Communication, and Software Systems, SFM 2016, Bertinoro, Italy, June 20-24, 2016, Advanced Lectures

Bicycles have been a common device to enhance physical fitness level in gyms and training centers along with solid use in competitive sport. For that reason, biomechanics of cycling has grown as a research field with many publications addressing different perspective of the interaction between the cyclist and his bicycle. The most common end point of research on biomechanics of cycling is optimization of performance and reduction of injury risk. One goal of this book is to meet the growing need for a comprehensive presentation of contemporary knowledge on biomechanics of cycling which will positively influence the activity of cycling in a global fashion. In order to accomplish this purpose, ten chapters are presented with focus on varying methods for biomechanical analysis of cycling motion. The introduction section provides an overview of the main methods for assessment of cycling motion, including motion analysis, pedal force measurements, muscle activation, anthropometry and joint kinetics. These methods are discussed in depth in individual chapters followed by chapters on characteristics of bicycles and potential perspectives to improve their configuration in order to improve performance of cyclists and reduce their overuse injury risk. Moreover, a preliminary method to train technique in cyclists is shown. A final chapter provides authors perspective on the upcoming technology that should be effective in helping training of cyclists.

This book presents a thorough discussion of utility cycling, cycling in the urban environment, and everyday mobility. It is based on large survey answered by 14,000 participants in the bike to work action in Switzerland, and quantifies the various dimensions of utility cycling. It proposes an innovative theoretical framework to analyse

and understand the various dimensions of the uses of bikes and their diversity. It addresses the factors that motivate commuters to get on their bike, and highlights the barriers to this practice between deficient infrastructures and lack of legitimacy. This research makes a diagnosis and discusses the way to develop this sustainable mode of transportation. By combining quantitative results in the form of tables, figures, and maps, and including qualitative results in the form of quotations from survey participants, this book provides a thorough and enjoyable read. It will be of interest to researchers, policy makers, advanced students in the field of urban planning, social sciences, and transportation.

This volume offers the state-of-the-art research and developments in service science and related research, education and practice areas. It showcases emerging technology and applications in fields including healthcare, information technology, transportation, sports, logistics, and public services. Regardless of size and service, a service organization is a service system. Because of the socio-technical nature of a service system, a systems approach must be adopted to design, develop, and deliver services, aimed at meeting end users' both utilitarian and socio-psychological needs. Effective understanding of service and service systems often requires combining multiple methods to consider how interactions of people, technology, organizations, and information create value under various conditions. The papers in this volume highlight ways to approach such technical challenges in service science and are based on submissions from the 2018 INFORMS International Conference on Service Science. This book (Vol. II) presents select proceedings of the conference on "Advancement in Materials, Manufacturing, and Energy Engineering (ICAMME 2021)." It discusses the latest materials, manufacturing processes, evaluation of materials properties for the application in automotive, aerospace, marine, locomotive, and energy sectors. The topics covered include advanced metal forming, bending, welding and casting techniques, recycling and re-manufacturing of materials and components, materials processing, characterization and applications, materials, composites and polymer manufacturing, powder metallurgy and ceramic forming, numerical modeling and simulation, advanced machining processes, functionally graded materials, non-destructive examination, optimization techniques, engineering materials, heat treatment, material testing, MEMS integration, energy materials, bio-materials, metamaterials, metallography, nanomaterial, SMART materials, bioenergy, fuel cell, and superalloys. The book will be useful for students, researchers, and professionals interested in interdisciplinary topics in the areas of materials, manufacturing, and energy sectors.

Demand for Emerging Transportation Systems: Modeling Adoption, Satisfaction, and Mobility Patterns comprehensively examines the concepts and factors affecting user quality-of-service satisfaction. The book provides an introduction to the latest trends in transportation, followed by a critical review of factors affecting traditional and emerging transportation system adoption rates and user retention. This collection includes a rigorous introduction to the tools necessary for analyzing these factors, as well as Big Data collection methodologies, such as smartphone and social media analysis. Researchers will be guided through the nuances of transport and mobility services adoption, closing with an outlook of, and recommendations for, future research on the topic. This resource will appeal to practitioners and graduate students. Examines the dynamics affecting adoption rates for public transportation, vehicle-sharing, ridesharing systems and autonomous vehicles Covers the rationale behind travelers' continuous use of mobility services and their satisfaction and development Includes case studies, featuring mobility stats and contributions from around the world

Usually Bad, Sometimes Wrong, Often Permissible

Lifestyle Medicine, Third Edition

Select Proceedings of ICAMME 2021

Proceedings of 5th Conference on Sustainable Urban Mobility, Virtual CSUM2020, June 17-19, 2020, Greece

Autonomous Driving

Linkages between Science, Policy and Practice

Advances in Service Science

Livable Streets 2.0 offers a thorough examination of the struggle between automobiles, residents, pedestrians and other users of streets, along with evidence-based, practical strategies for redesigning city street networks that support urban livability. In 1981, when Donald Appleyard's Livable Streets was published, it was globally recognized as a groundbreaking work, one of the most influential urban design books of its time. Unfortunately, he was killed a year later by a speeding drunk driver. This latest update, Livable Streets 2.0, revisited by his son Bruce, updates on the topic with the latest research, new case studies and best practices for creating more livable streets. It is essential reading for those who influence future directions in city and transportation planning. Incorporates the most current empirical research on urban transportation and land use practices that support the need for more livable communities Includes recent case studies from around the world on successful projects, campaigns, programs, and other efforts Contains new coverage of vulnerable populations

This book constitutes the joint refereed proceedings of the 20th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning, Calculemus 2013, 6th International Workshop on Digital Mathematics Libraries, DML 2013, Systems and Projects, held in Bath, UK as part of CICM 2013, the Conferences on Intelligent Computer Mathematics. The 7 revised full papers out of 18 submissions for MKM 2013, 5 revised full papers out of 12 submissions for Calculemus 2013, 6 revised full papers out of 8 submissions for DML 2013, and 12 revised full papers out of 16 submissions for Systems and Project track presented together with 3 invited talks were carefully reviewed and selected, resulting in 33 papers from a total of 73 submissions.

Intensive animal agriculture wrongs many, many animals. Philosophers have argued, on this basis, that most people in wealthy Western contexts are morally obligated to avoid animal products. This book explains why the author thinks that's mistaken. He reaches this negative conclusion by contending that the major arguments for veganism fail: they don't establish the right sort of connection between producing and eating animal-based foods. Moreover, if they didn't have this problem, then they would have other ones: we wouldn't be obliged to abstain from all animal products, but to eat strange things instead—e.g., roadkill, insects, and things left in dumpsters. On his view, although we have a collective obligation not to farm animals, there is no specific diet that most individuals ought to have. Nevertheless, he does think that some people are obligated to be vegans, but that's because they've joined a movement, or formed a practical identity, that requires that sacrifice. This book argues that there are good reasons to make such a move, albeit not ones strong enough to show that everyone must do likewise.

This book gathers together innovative research and practical findings relating to urban mobility transformation. It is especially intended to provide academicians, researchers, practitioners and decision makers with effective strategies and techniques that can

support urban mobility in a sustainable way. The chapters, which report on contributions presented at the 5th Conference on Sustainable Urban Mobility, held virtually on June 17-19, 2020, from Greece, cover the thematic areas of: social networks and traveler behavior; applications of technologies in transportation and big data analytics; transport infrastructure and traffic management; and transportation modeling and impact assessment. Special attention is given to public transport and demand responsive systems, electromobility, micromobility and automated vehicles. The book addresses the challenges of the near future, highlighting the importance of knowledge transfer, and it is intended to foster communication among universities, industries and public administration.

This updated and revised first-course textbook in applied probability provides a contemporary and lively post-calculus introduction to the subject of probability. The exposition reflects a desirable balance between fundamental theory and many applications involving a broad range of real problem scenarios. It is intended to appeal to a wide audience, including mathematics and statistics majors, prospective engineers and scientists, and those business and social science majors interested in the quantitative aspects of their disciplines. The textbook contains enough material for a year-long course, though many instructors will use it for a single term (one semester or one quarter). As such, three course syllabi with expanded course outlines are now available for download on the book's page on the Springer website. A one-term course would cover material in the core chapters (1-4), supplemented by selections from one or more of the remaining chapters on statistical inference (Ch. 5), Markov chains (Ch. 6), stochastic processes (Ch. 7), and signal processing (Ch. 8—available exclusively online and specifically designed for electrical and computer engineers, making the book suitable for a one-term class on random signals and noise). For a year-long course, core chapters (1-4) are accessible to those who have taken a year of univariate differential and integral calculus; matrix algebra, multivariate calculus, and engineering mathematics are needed for the latter, more advanced chapters. At the heart of the textbook's pedagogy are 1,100 applied exercises, ranging from straightforward to reasonably challenging, roughly 700 exercises in the first four "core" chapters alone—a self-contained textbook of problems introducing basic theoretical knowledge necessary for solving problems and illustrating how to solve the problems at hand – in R and MATLAB, including code so that students can create simulations. New to this edition

- Updated and re-worked Recommended Coverage for instructors, detailing which courses should use the textbook and how to utilize different sections for various objectives and time constraints
- Extended and revised instructions and solutions to problem sets
- Overhaul of Section 7.7 on continuous-time Markov chains
- Supplementary materials include three sample syllabi and updated solutions manuals for both instructors and students

Expanding Worldviews: Astrobiology, Big History and Cosmic Perspectives
The Changing Arctic Landscapes

20th International Symposium, SPIRE 2013, Jerusalem, Israel, October 7-9, 2013, Proceedings

Curious about George

Global and Regional 100% Renewable Energy Scenarios with Non-energy GHG

Pathways for +1.5 °C and +2 °C

The Economic Consequences of a Hotter Planet

In 1940, Hans Augusto Rey and Margret Rey built two bikes, packed what they could, and fled wartime Paris. Among the possessions they escaped with was a manuscript that would later become one of the most celebrated books in children's literature—Curious George. Since his debut in 1941, the mischievous icon has only grown in popularity. After being captured in Africa by the Man in the Yellow Hat and taken to live in the big city's zoo, Curious George became a symbol of curiosity, adventure, and exploration. In *Curious about George: Curious George, Cultural Icons, Colonialism, and US Exceptionalism*, author Rae Lynn Schwartz-DuPre argues that the beloved character also performs within a narrative of racism, colonialism, and heroism. Using theories of colonial and rhetorical studies to explain why cultural icons like Curious George are able to avoid criticism, Schwartz-DuPre investigates the ways these characters operate as capacious figures, embodying and circulating the narratives that construct them, and effectively argues that discourses about George provide a rich training ground for children to learn US citizenship and become innocent supporters of colonial American exceptionalism. By drawing on postcolonial theory, children's criticisms, science and technology studies, and nostalgia, Schwartz-DuPre's critical reading explains the dismissal of the monkey's 1941 abduction from Africa and enslavement in the US, described in the first book, by illuminating two powerful roles he currently holds: essential STEM ambassador at a time when science and technology is central to global competitiveness and as a World War II refugee who offers a "deficient" version of the Holocaust while performing model US immigrant. Curious George's twin heroic roles highlight racist science and an Americanized Holocaust narrative. By situating George as a representation of enslaved Africans and Holocaust refugees, *Curious about George* illuminates the danger of contemporary zero-sum identity politics, the colonization of marginalized identities, and racist knowledge production. Importantly, it demonstrates the ways in which popular culture can be harnessed both to promote colonial benevolence and to present possibilities for resistance. The book presents a remarkable collection of chapters covering a wide range of topics in the areas of intelligent systems and artificial intelligence, and their real-world applications. It gathers the proceedings of the Intelligent Systems Conference 2019, which attracted a total of 546 submissions from pioneering researchers, scientists, industrial engineers, and students from all around the world. These submissions underwent a double-blind peer-review process, after which 190 were selected for inclusion in these proceedings. As intelligent systems continue to replace and sometimes outperform human intelligence in decision-making processes, they have made it possible to tackle a host of problems more effectively. This branching out of computational intelligence in several directions and use of intelligent systems in everyday applications have created the need for an international conference as a venue for reporting on the latest innovations and trends. This book collects both theory and application based chapters on virtually all aspects of artificial intelligence; presenting state-of-the-art intelligent methods and techniques for solving real-world problems, along with a vision for future research, it represents a unique and valuable asset.

NEW YORK TIMES EDITORS' CHOICE • A panoramic revisionist portrait of the nineteenth-century invention that is transforming the twenty-first-century world "The real feat of this book is that it takes us on a ride—across the centuries and around the globe, through startling history and vivid first-person reporting."—Patrick Radden Keefe, New York Times bestselling author of *Empire of Pain* The bicycle is a vestige of the Victorian era, seemingly at odds with our age of smartphones and ride-sharing apps and driverless cars. Yet we live on a bicycle planet. Across the world, more people travel by bicycle than any other form of transportation. Almost anyone can learn to ride a bike—and nearly everyone does. In *Two Wheels Good*, journalist and critic Jody Rosen reshapes our understanding of this ubiquitous machine, an ever-present force in humanity's life and dream life—and a flash point in culture wars—for more than two hundred years. Combining history, reportage, travelogue, and memoir, Rosen's book sweeps across centuries and around the globe, unfolding the bicycle's saga from its invention in 1817 to its present-day renaissance as a "green machine," an emblem of sustainability in a world afflicted by pandemic and climate change. Readers meet unforgettable characters: feminist rebels who steered bikes to the

barricades in the 1890s, a prospector who pedaled across the frozen Yukon to join the Klondike gold rush, a Bhutanese king who races mountain bikes in the Himalayas, a cycle-rickshaw driver who navigates the seething streets of the world's fastest-growing megacity, astronauts who ride a floating bicycle in zero gravity aboard the International Space Station. *Two Wheels Good* examines the bicycle's past and peers into its future, challenging myths and clichés while uncovering cycling's connection to colonial conquest and the gentrification of cities. But the book is also a love letter: a reflection on the sensual and spiritual pleasures of bike riding and an ode to an engineering marvel—a wondrous vehicle whose passenger is also its engine.

This book has been written to represent the efficient applications of sustainability in urban areas. The book intends to illustrate various techniques of action on sustainability on city conception, functions and conformation. This book is divided into four parts and nine chapters: Section I is entitled "Introduction to Sustainable Cities Concept" and contains one chapter "Introductory chapter: Overview of Sustainable Cities Theory and Practices," which discusses sustainability in cities in conception and practice. Section II is entitled "Energy and Environmental Analysis of Sustainable Cities Models." This includes four chapters. It expresses the effect of the environment and energy embodiment on city configuration and function. Section III is entitled "The Role of Transport in a Sustainable City." This part includes two chapters. Section IV is entitled "The influence of Social and Economic Factors in Urban Space Conception." It includes two chapters.

This book gathers outstanding research papers presented at the International Conference on Intelligent Vision and Computing (ICIVC 2021), held online during October 03–04, 2021. ICIVC 2021 is organised by Sur University, Oman. The book presents novel contributions in intelligent vision and computing and serves as reference material for beginners and advanced research. The topics covered are intelligent systems, intelligent data analytics and computing, intelligent vision and applications collective intelligence, soft computing, optimization, cloud computing, machine learning, intelligent software, robotics, data science, data security, big data analytics, and signal natural language processing.

Achieving the Paris Climate Agreement Goals

AI and Analytics for Public Health

Nature-Based Solutions to Climate Change Adaptation in Urban Areas

Proceedings of the 2020 INFORMS International Conference on Service Science

Health of People, Health of Planet and Our Responsibility

Sustainable Cities

Proceedings of the 2019 DigitalFUTURES

This open access book presents detailed pathways to achieve 100% renewable energy by 2050, globally and across ten geographical regions. Based on state-of-the-art scenario modelling, it provides the vital missing link between renewable energy targets and the measures needed to achieve them. Bringing together the latest research in climate science, renewable energy technology, employment and resource impacts, the book breaks new ground by covering all the elements essential to achieving the ambitious climate mitigation targets set out in the Paris Climate Agreement. For example, sectoral implementation pathways, with special emphasis on differences between developed and developing countries and regional conditions, provide tools to implement the scenarios globally and domestically. Non-energy greenhouse gas mitigation scenarios define a sustainable pathway for land-use change and the agricultural sector. Furthermore, results of the impact of the scenarios on employment and mineral and resource requirements provide vital insight on economic and

resource management implications. The book clearly demonstrates that the goals of the Paris Agreement are achievable and feasible with current technology and are beneficial in economic and employment terms. It is essential reading for anyone with responsibility for implementing renewable energy or climate targets internationally or domestically, including climate policy negotiators, policy-makers at all levels of government, businesses with renewable energy commitments, researchers and the renewable energy industry.

Decision Support Methods in Modern Transportation Systems and Networks

Livable Streets 2.0

The 1st International Conference on Computational Design and Robotic Fabrication (CDRF 2019)

New Leadership in Strategy and Communication

Recent Advances in Traffic Engineering for Transport Networks and Systems

Functional and Shape Data Analysis

Authenticity, Ambition and Dream