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Kosmos, Seele, TextDenken Sie groß!AI BreakthroughsInternet und RegimetypEnvironmental LawMulti Agent SystemsArtificial Intelligence and the Environmental CrisisNature-Inspired Computing for Control SystemsThe Necropolitical Production and Management of Forced MigrationControl Strategies of Permanent Magnet Synchronous Motor Drive for Electric VehiclesPlant Flow Measurement and Control HandbookAktenHolistic Analysis and Management of Distributed Social SystemsComputational Intelligence for Autonomous FinanceDigital Technologies in Modeling and Management: Insights in Education and IndustryHandbook of Research on the Applications of International Transportation and Logistics for World TradeWas zu tun ist bei Alzheimer und mikrobiellen & parasitären UrsachenChallenges in Economic Policy, Business and Management in the COVID-19 EraBauphysik-Kalender 2023Meaningful TourismSterile Insect TechniqueInternational Construction Management ResearchSymbiosis of Real and Simulated Worlds Under Spatial Grasp TechnologyNatural Products in Vector-Borne Disease ManagementOn the syntax of deverbal nominalizations in English and RomanianThe Decision-Making BlueprintBattleSpace of MindGreen Information and Communication Systems for a Sustainable FutureSecuring Mobile Devices and TechnologyTrauma ProofProviding Integrity, Awareness, and Consciousness in Distributed Dynamic SystemsVulnerabilities Assessment and Risk Management in Cyber SecurityInterne UnternehmensrechnungDigital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management. Human Communication, Organization and WorkAmerican Learned Men and Women with Czechoslovak RootsProceedings of the 8th International Conference on Accounting, Management, and Economics (ICAME 2023)Developments in Information & Knowledge Management for Business ApplicationsAdvances in Visual InformaticsEnhancing Communication and Decision-Making With AIComputational Intelligence Techniques for Sustainable Supply Chain Management Steffen Schneider David Schwartz Gopee Mukhopadhyay Sebastian Stier Emmanuel Onyeabor Shibakali Gupta Keith Ronald Skene Hiram Eredín Ponce Espinosa Ariadna Estevez Chiranjit Sain Swapan Basu Cornelia Vismann Peter Simon Sapaty Deepak Gupta Prakasha, G. S. Ceyhun, Gökçe Çiçek Bert-Dieter Huismans Anna Ujwary-Gil Nabil A. Fouad Pankaj Kumar Tyagi Victor A. Dyck Igor Martek Peter Simon Sapaty Nagendra Singh Chauhan DIANA ŞTEFAN-DINESCU Patrik Edblad Michael Joseph McCarron Rajshree Srivastava Kutub Thakur Benjamin Perks Peter Simon Sapaty Hussain, Khalid Ralf Ewert Vincent G. Duffy Mila Rechcigl Arianto Patunru Natalia Kryvinska Halimah Badioze Zaman Natarajan, Arul Kumar Sanjoy Kumar Paul

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Management of Distributed Social Systems Computational Intelligence for Autonomous Finance Digital Technologies in Modeling and Management: Insights in Education and Industry Handbook of Research on the Applications of International Transportation and Logistics for World Trade Was zu tun ist bei Alzheimer und mikrobiellen & parasitären Ursachen Challenges in Economic Policy, Business and Management in the COVID-19 Era Bauphysik-Kalender 2023 Meaningful Tourism Sterile Insect Technique International Construction Management Research Symbiosis of Real and Simulated Worlds Under Spatial Grasp Technology Natural Products in Vector-Borne Disease Management On the syntax of deverbal nominalizations in English and Romanian The Decision-Making Blueprint BattleSpace of Mind Green Information and Communication Systems for a Sustainable Future Securing Mobile Devices and Technology Trauma Proof Providing Integrity, Awareness, and Consciousness in Distributed Dynamic Systems Vulnerabilities Assessment and Risk Management in Cyber Security Interne Unternehmensrechnung Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management. Human Communication, Organization and Work American Learned Men and Women with Czechoslovak Roots Proceedings of the 8th International Conference on Accounting, Management, and Economics (ICAME 2023) Developments in Information & Knowledge Management for Business Applications Advances in Visual Informatics Enhancing Communication and Decision-Making With AI Computational Intelligence Techniques for Sustainable Supply Chain Management Steffen Schneider David Schwartz Gopee Mukhopadhyay Sebastian Stier Emmanuel Onyeabor Shibakali Gupta Keith Ronald Skene Hiram Eredín Ponce Espinosa Ariadna Estevez Chiranjit Sain Swapan Basu Cornelia Vismann Peter Simon Sapaty Deepak Gupta Prakasha, G. S. Ceyhun, Gökçe Çiçek Bert-Dieter Huismans Anna Ujwary-Gil Nabil A. Fouad Pankaj Kumar Tyagi Victor A. Dyck Igor Martek Peter Simon Sapaty Nagendra Singh Chauhan DIANA ȘTEFAN-DINESCU Patrik Edblad Michael Joseph McCarron Rajshree Srivastava Kutub Thakur Benjamin Perks Peter Simon Sapaty Hussain, Khalid Ralf Ewert Vincent G. Duffy Mila Rechcigl Arianto Patunru Natalia Kryvinska Halimah Badioze Zaman Natarajan, Arul Kumar Sanjoy Kumar Paul

eines der grundlegenden asthetischen und philosophischen probleme ist das verhaltnis des einen zum vielen ihre kausalitat und vermittlung in der renaissance in der sich das problem durch die gesteigerte pluralitatserfahrung verscharft wird zu dessen losung das antike konzept der partizipation also die vorstellung einer den gesamten kosmos verbindenden dynamischen struktur ubernommen und innovativ weiterentwickelt die untersuchung widmet sich drei herausragenden autoren der romania und ihren jeweiligen auffassungen von partizipation gezeigt wird dass diese zu weitreichenden asthetisch poetischen innovationen fuhren die literarische gestalt der texte dient nicht mehr lediglich der verkleidung philosophischer gedanken ihr wird vielmehr eine eigenstandige unbegriffliche vermittlungsleistung zugetraut indem die studie zum ersten mal die asthetische und poetologische bedeutung der partizipation ausarbeitet ist sie von allgemeinem interesse fur die renaissanceforschung

der longseller jetzt als sonderausgabe erfolgreiche menschen verfugen uber ein starkes selbstwertgefuhl und wissen ganz genau was sie wollen mit dem von david j schwartz entwickelten prinzip des grohzugigen denkens kann jeder sich diese erfolgshaltung zu eigen machen niederlagen in siege verwandeln mit selbstvertrauen die einmal gesteckten ziele erreichen das leben selbst in die hand nehmen seit uber 50 jahren beherzigen menschen die tips und hinweise

von david j schwartz legen sie festgefahrene denkgewohnheiten ab denken sie groß und glauben sie an sich und ihren erfolg

the illustrations in this book are created by team educohack ai breakthroughs theories and concepts for today is designed to guide readers through the essential scientific and technological principles that make artificial intelligence ai possible we aim to enhance understanding of ai s development and its pervasive role in our lives we explore two fundamental questions should ai replicate human performance through machines or should it emulate the way humans think and act this book discusses classical ai and machine learning ml the two main approaches to ai while classical ai dating back to the 1960s uses logic and representations to mimic human reasoning ml a newer method focuses on manipulating numbers and statistical patterns to find answers drawing insights from daniel kahneman s behavioral economics we demonstrate that purely rational ai operating solely on logical symbols does not reflect human thought processes this book is crafted to support students helping them grasp each concept in detail and ensuring they benefit from a thorough understanding of ai

sebastian stier führt bislang isolierte literaturen der politik und kommunikationswissenschaftlichen internetforschung zusammen und untersucht empirisch inwiefern autokratien in ihrer netzpolitik und politischen online kommunikation von demokratien abweichen der autor zeigt in einem makro quantitativen ländervergleich dass es autokratischen herrschern gelingt das internet in ökonomische performanzstrategien zu integrieren während die zivilgesellschaftliche ermächtigung auch aufgrund der internetzensur schwächer ausfällt als es optimistische stimmen vermuten

this book offers an overview of environmental law from both an international and regional perspective focusing on global issues while at the same time offering uniquely african insights the book addresses environmental issues principles and policies from the standpoints of law and management there is a growing need for books on environmental law that integrate environmental issues principles and policies in a single source to guide practitioners in the fields of environmental studies and environmental law this book covers the corresponding principles theories procedural rights international and regional strategies liabilities and remedies for environmental damage including in to the marine environment topics addressed include atmospheric pollution water pollution marine pollution land use and waste management given its scope the book will be of interest to practitioners in the fields of environmental studies and environmental law corporations policymakers judges students and all others who are concerned with environmental issues principles policies and the law

the book presents latest multi agent technologies in human centered computing hcc to provide a new research direction to enrich the human socio computations nowadays the research in the field of multi agent system mas has gained a wide spread recognition due to its interdisciplinary nature and a vast versatile application domain including engineering social science economics mathematics operational research etc it has been proved that agents in mas are the most appropriate technological paradigm for providing the most optimal solution for different kinds of complex real world problems that may be industrial

or it might be specifically related to social problems keeping these features in mind we planned to tune the research of latest multi agent technologies and tried to compose its effect on hcc corridor the primary audience of this book are research students of computer science information technology and it will be also very helpful for software professionals to get developmental ideas to boost their computing activities

a radical and challenging book which argues that artificial intelligence needs a completely different set of foundations based on ecological intelligence rather than human intelligence if it is to deliver on the promise of a better world this can usher in the greatest transformation in human history an age of re integration our very existence is dependent upon our context within the earth system and so surely artificial intelligence must also be grounded within this context embracing emergence interconnectedness and real time feedback we discover many positive outcomes across the societal economic and environmental arenas and discuss how this transformation can be delivered key features identifies a key weakness in current ai thinking that threatens any hope of a better world highlights the importance of realizing that systems theory is an essential foundation for any technology that hopes to positively transform our world emphasizes the need for a radical new approach to ai based on ecological systems explains why ecosystem intelligence not human intelligence offers the best framework for ai examines how this new approach will impact on the three arenas of society environment and economics ushering in a new age of re integration

the book presents recent advances in nature inspired computing giving a special emphasis to control systems applications it reviews different techniques used for simulating physical chemical biological or social phenomena at the purpose of designing robust predictive and adaptive control strategies the book is a collection of several contributions covering either more general approaches in control systems or methodologies for control tuning and adaptive controllers as well as exciting applications of nature inspired techniques in robotics on one side the book is expected to motivate readers with a background in conventional control systems to try out these powerful techniques inspired by nature on the other side the book provides advanced readers with a deeper understanding of the field and a broad spectrum of different methods and techniques all in all the book is an outstanding practice oriented reference guide to nature inspired computing addressing graduate students researchers and practitioners in the field of control engineering

using examples from the united states mexico border central america and south america this book argues that forced migration is not a spontaneous phenomenon but rather a product of necropolitical strategies designed to depopulate resource rich countries or regions estevez merges necropolitical analysis with postcolonial migration and offers a new framework to study the set of policies laws institutions and political discourses producing a profit in a legal context in which habitat devastation is legal but mobility is a crime violence deprivation of food or water environmental contamination and rights exclusion are some of the tactics used in extractivist capitalism private and state actors alike use necropower both its first and third world versions to make people living and dead a commodity

to reduce the emissions of greenhouse gasses and maintain environmental sustainability electric vehicles play a vital role in a modern energy efficient environment permanent magnet synchronous motors pmsms are widely employed in electric vehicle technology due to their high dynamic response better torque speed characteristics noiseless operation high power density high efficiency and power factor as compared to other conventional motor drives this book demonstrates the development of various control strategies and illustrates the dynamic performance intensification of a pmsm drive to ensure the faster dynamic behaviour and flexibility in control under various operating conditions the performance of a pmsm drive has been explained finally control strategies have been executed through mathematical modelling and illustration of several case studies for optimal operation features introduces performance indicators in a self controlled pmsm machine to justify the dynamic behaviour discusses comparative performance study and optimization of the drive performance provides a detailed comparative performance analysis between classical and fuzzy logic controllers in a pmsm drive includes illustrations and case studies using mathematical modelling and real time test results discusses the state of the art in solar powered energy efficient pmsm drives with various issues this book is aimed at researchers graduate students and libraries in electrical engineering with specialization in electric vehicles

plant flow measurement and control handbook is a comprehensive reference source for practicing engineers in the field of instrumentation and controls it covers many practical topics such as installation maintenance and potential issues giving an overview of available techniques along with recommendations for application in addition it covers available flow sensors such as automation and control the author brings his 35 years of experience in working in instrumentation and control within the industry to this title with a focus on fluid flow measurement its importance in plant design and the appropriate control of processes the book provides a good balance between practical issues and theory and is fully supported with industry case studies and a high level of illustrations to assist learning it is unique in its coverage of multiphase flow solid flow process connection to the plant flow computation and control readers will not only further understand design but they will also further comprehend integration tactics that can be applied to the plant through a step by step design process that goes from installation to operation provides specification sheets engineering drawings calibration procedures and installation practices for each type of measurement presents the correct flow meter that is suitable for a particular application includes a selection table and step by step guide to help users make the best decision cover examples and applications from engineering practice that will aid in understanding and application

this book describes the application of a high level technology to solve problems in distributed systems that have networked structures with millions to billions of nodes the main difference from other works is that the approach is based on holistically and simultaneously analysing these systems using a spatial pattern matching mode which produces solutions hundreds of times faster than usual the latest version of the technology is described together with implementation details and basic spatial grasp language in addition the book highlights numerous solutions covering graph and network problems their use in large social industrial and business ecosystems social robotics and driverless transport and the possibility of extrapolating from known gestalt laws on distributed systems which could potentially be applied in civil and defence contexts the book is intended for system scientists business and industry managers

economists application programmers security and defence personnel as well as university students

the book serves as an essential guide and a deep dive into the intersection of ai and finance providing readers with a thorough understanding of the current state challenges and future possibilities of autonomous financial systems in the rapidly evolving domain of autonomous finance the convergence of computational intelligence techniques and financial technologies has paved the way for a new era of financial services this transformation is driven by the integration of artificial intelligence ai machine learning ml blockchain and big data analytics into financial systems leading to the development of more responsive efficient and personalized financial products and services computational intelligence for autonomous finance delves into the heart of this technological revolution offering a comprehensive exploration of the theoretical foundations practical applications and future prospects of computational intelligence in the financial sector the backbone of autonomous finance is a complex interconnected ecosystem that leverages computational intelligence to automate decision making processes optimize financial operations and enhance customer experiences the book introduces the concept of an intelligent autonomous financial network iafrn which integrates various computational intelligence techniques with cutting edge financial technologies to create a self organizing adaptive and scalable financial system the iafrn framework facilitates seamless interactions between diverse financial entities enabling the provision of innovative financial services such as automated trading real time risk management personalized financial planning and fraud detection the book meticulously analyzes the key challenges including data security and privacy concerns algorithmic biases regulatory compliance and the need for interoperable standards it also presents state of the art solutions and best practices for overcoming these challenges emphasizing the importance of ethical ai robust data protection mechanisms transparent algorithms and collaborative regulatory frameworks it discusses emerging trends such as quantum computing edge computing and decentralized finance defi highlighting their potential to further transform the financial landscape the book also addresses the societal implications of autonomous finance including its impact on employment wealth distribution and financial inclusion advocating for a balanced approach that maximizes benefits while minimizing negative outcomes audience this book is aimed at researchers industry professionals policymakers and graduate students in finance computational intelligence and related fields

digital technologies in modeling and management insights in education and industry explores the use of digital technologies in the modeling and control of complex systems in various fields such as social networks education technical systems and their protection and security the book consists of two parts with the first part focusing on modeling complex systems using digital technologies while the second part deals with the digitalization of economic processes and their management the book results from research conducted by leading universities teaching staff and contains the results of many years of scientific experiments and theoretical conclusions the book is for a wide range of readers including the teaching staff of higher educational institutions graduate students students in computer science and modeling and management technologies including economics it is also a valuable resource for it professionals and business analysts interested in using digital technologies to model and control complex systems

in today's developing world international trade is a field that is rapidly growing within this economic market traders need to implement new approaches in order to satisfy consumers rising demands due to the high level of competition merchants have focused on developing new transportation and logistics strategies in order to execute effective transportation tactics decision makers need to know the fundamentals current developments and future trends of intercontinental transportation the handbook of research on the applications of international transportation and logistics for world trade provides emerging research exploring the effective and productive solutions to global transportation and logistics by applying fundamental and in depth knowledge together with current applications and future aspects featuring coverage on a broad range of topics such as international regulations inventory management and distribution networks this book is ideally designed for logistics authorities trading companies logistics operators transportation specialists government officials managers policymakers researchers academicians and students

seit vielen jahrzehnten werden zahlreiche mikrobielle und parasitäre ursachen bei neurodegenerativen erkrankungen wie demenz alzheimer parkinson multipler sklerose ms und amyotropher lateralsklerose als beschrieben genetische ursachen zeigen die empfänglichkeit an sie sind aber zumeist nicht die eigentlichen ursachen der erkrankung huismans zeigt in seinem buch das spektrum von möglichen infekt ursachen auf ebenso werden die risikofaktoren und kontraindikationen der entsprechenden behandlung gelistet die biologischen grundlagen bei neurodegenerativen erkrankungen und bei anderen chronischen multisystemkrankheiten und die schwierigkeiten bei der diagnostik und der therapie werden ausführlich dargelegt zuletzt werden optional therapiemuster mit standardmedikamenten und die unter dieser behandlung notwendigen kontrolluntersuchungen aufgelistet

the covid 19 pandemic has made it necessary to redefine the most significant challenges faced by individual economies and society today it contributed to the change of contemporary social technological and economic trends the effects of which will indeed be the subject of many scientific studies in the coming years as the pandemic progresses it promotes reflection and summaries of the consequences of behaviors or omissions in each country one of them is a synthetic presentation of ten lessons from the pandemic gorynia 2021 which the professor accurately diagnoses in the economic context 1 the pandemic as a non economic sanitary medical shock that caused the economic social and political crisis 2 the pandemic as a black swan an unpredictable threat of high species gravity but requiring anticipation to minimize its harmful effects in the future 3 determining the causes of the appearance of the virus determines different preventive actions for future threats 4 resilience as the foundation of long term economic efficiency 5 the set of measures to counteract the harmful effects of a pandemic should not be unified but adapted to the specificity of the facilities it is to affect 6 the world economy as a system of vessels connected with its positive and negative consequences 7 the pandemic highlighted the role of coordination of international cooperation the shortcomings of globalization must be overcome by fairly sharing the positive fruits of international cooperation and resilience aimed at diversifying supplies 8 economic policy pursued by individual states with a view to preventing the effects of the economic crisis caused by a pandemic cannot be voluntary 9 the pandemic has sharpened the perception of the shortcomings of contemporary economic social and political systems and prompts the questioning of certain pillars of the

market economy e.g. homo oeconomicus individual and global rationality private and state property canons of monetary fiscal budgetary or industrial policy 10 the pandemic increases the pressure on systemic and holistic thinking taking into account green economic development saving energy water and other resources using renewable energy sources avoiding wastage of resources paying attention to social inequalities in the world regions and countries solving poverty problems and social exclusion this monograph is partially a response to the in depth issues covered in these lessons the authors of individual chapters challenge contemporary topics relating to the covid 19 pandemic industry and inter organizational cooperation pro environmental resilient and innovative organizations the monograph consists of three parts the first part part 1 covers an overview of very recent research considering the impact of covid 19 on the economy industries and business the article by anna ujwara gil and bianka godlewska dzioboń deals with among others the issues relating to pandemic impacts on the slowdown in the functioning of the construction electric automotive and water industries also it affects the tourist industry where countries are starting to pay attention to the resource saving green economy and problems of professional exclusion in the pandemic era in another article maria czech refers to the influence of public debt on the volatility of spreads during the covid 19 pandemic this research is part of the study on the use of sovereign credit default swap spreads to assess a country's credit risk which may be distorted in a pandemic period it is undisputed that the covid 19 pandemic has a global dimension the crisis resulting from disorders such as in value chains has caused industry to slow down the czech luxury fashion industry is no exception as radka macgregor pelikánová points out covid 19 has turned out to be a threat to its development leading czech luxury fashion companies withdrew to a passive role and felt the negative consequences of the pandemic as the author points out few have engaged in corporate social responsibility and showed ingenuity which increases their chances of survival in the future in other studies tereza horáková and kateřina maršíková identified factors influencing the environment of effective knowledge exchange in smes which in the era of hybrid work during covid 19 is particularly important the second part of the monograph part 2 includes two studies on the photovoltaic cell industry in china from the perspective of comparative and intra industry advantage as a significant player in the global trade scene and various value chains china is a fascinating subject of research undertaken by paweł brusilo and bogusława drelich skulska the results of the first article demonstrate the success of the chinese industry in terms of growth potential competitiveness and development opportunities thanks to effective state support and favorable market forces as the authors point out the chinese solar cell industry has not been studied so far in the context of comparative advantage and the new structural economy the results show the way for other countries to consider or develop innovative industries such as renewable energy and solar energy in the second article paweł brusilo examines the topic of the belt and road initiative in the context of the chinese photovoltaic cell industry energy transition policy identification of modern intra industry trade patterns and opportunities for this industry which is characterized by significant state interventionism the considerations in this article may inspire eu countries to deepen economic and trade cooperation in the export and import of solar cells with china on the other hand joanna kurowska pysz has undertaken the analysis of the cooperation conditions within the innovative processes of representatives of science business the legislative and economic environment cooperating on the capital market the author focused on the motivators barriers but also the search for an effective form of development of intersectoral cooperation enabling the exchange of knowledge and experience learning including the flow of personnel between sectors joint organization of conferences seminars training and implementation of research

projects constituting the basis of innovative processes or the diagnosis of network relationships the model proposed by the author will surely inspire other researchers the third part of the monograph part 3 includes articles referring inter alia to the pro environmental organizational culture of enterprises katarzyna piwowar sulej as an advocate of this valuable orientation today has shown that organizations are interested in developing pro ecological behavior and are aware of their impact on the natural environment the article is in line with the global trend focused on the sustainable ecological and green economy enterprises operating in this trend not only because of covid 19 taking action to develop a pro ecological organizational culture taking care of the natural environment is not only a moral and ethical requirement but also an obligation for the future generation this part also includes an article by piotr tomszys and bartosz grucza who present an inspiring model of organizational resilience and an attempt to operationalize it the organizational resilience model proposed by the authors is in line with the growing interest in the analyzes and measurement of the enterprises resilience the conceptualization and measurement of economic resilience can inspire other researchers to further research in this area the covid 19 pandemic as an unpredictable and destructive shock might be a unique opportunity to verify the developed model as the authors point out the last article deals with the issue of innovative management and its measurement based on a proprietary tool developed by magdalena gorzelany dziadkowiec the considerations undertaken by the author are a reliable starting point for further research concerning the impact of covid 19 on the organization s functioning the development of innovative management changes in work processes and interpersonal relations in the era of increasingly dominant digital technology and skills to use it the editors profoundly thank all the authors for their valuable contribution to this monograph and cooperation in its co creation we address our grateful thanks to all the reviewers for their insightful evaluation and high standards of their work these special thanks go to in alphabetical order barbara błaszczyk institute of economics polish academy of sciences justyna bugaj jagiellonian university anna fornalczyk comper fornalczyk and wspólnicy marta gancarczyk jagiellonian university anna maria lis gdańsk university of technology andrzej lis nicolaus copernicus university mieczysław morawski warsaw university of technology paweł pisany institute of economics polish academy of sciences natalia r potoczek institute of economics polish academy of sciences we also thank paweł japoł for his thorough proofreading of this monograph

die aktuelle ausgabe des bauphysik kalenders behandelt das gesamte themenspektrum rund um nachhaltigkeit bei der errichtung von gebäuden die bauindustrie ist der sektor der in der wirtschaft für die höchsten umweltbelastungen verantwortlich ist integrierte maßnahmen für mehr klimaschutz und ressourceneffizienz im bausektor sind daher ein zentrales thema der umwelt und nachhaltigkeitspolitik die regulierung zur energieeinsparung hat bereits dazu geführt dass der primärenergiebedarf in der nutzungsphase von gebäuden immer weiter reduziert wurde es ist nun unabdingbar die bewertung von gebäuden auf die umweltwirkung und die auswirkung auf das klima auszuweiten in diesem buch werden die lebenszyklusanalyse die nachhaltigkeitszertifizierung sowie die kreislaufgerechte verwendung von bauelementen baustoffen und anlagenteilen umfassend erläutert konkretes hintergrundwissen für klimagerechtes bauen für die ermittlung der ressourceneffizienz das recycling von dämmstoffen die ökobilanzierung und die zertifizierung werden anhand von praxisbeispielen aufgezeigt um planenden das nötige rüstzeug für die aktuellen aufgaben an die hand zu geben auch die betrachtung von klima fußabdruck

und ressourcen fußabdruck mithilfe eines digitalen gebäudemodells bereits in der planungsphase ist enthalten der bauphysik kalender 2023 bietet eine solide arbeitsgrundlage und ein verlässliches aktuelles nachschlagewerk für die planung in neubau und bestand alle kapitel bewegen sich nahe an der ingenieurpraxis das buch enthält planungshinweise konzepte und praxisbeispiele für nachhaltiges bauen

drawing from real world examples meaningful tourism showcases the remarkable positive outcomes that responsible travel can bring witness how communities thrive cultures flourish and environments rejuvenate when travellers embrace their role as stewards of the places they explore

the sterile insect technique sit is an environment friendly method of pest control that integrates well into area wide integrated pest management aw ipm programmes this book takes a generic thematic comprehensive and global approach in describing the principles and practice of the sit the strengths and weaknesses and successes and failures of the sit are evaluated openly and fairly from a scientific perspective the sit is applicable to some major pests of plant animal and human health importance and criteria are provided to guide in the selection of pests appropriate for the sit in the second edition all aspects of the sit have been updated and the content considerably expanded a great variety of subjects is covered from the history of the sit to improved prospects for its future application the major chapters discuss the principles and technical components of applying sterile insects the four main strategic options in using the sit suppression containment prevention and eradication with examples of each option are described in detail other chapters deal with supportive technologies economic environmental and management considerations and the socio economic impact of aw ipm programmes that integrate the sit in addition this second edition includes six new chapters covering the latest developments in the technology managing pathogens in insect mass rearing using symbionts and modern molecular technologies in support of the sit applying post factory nutritional hormonal and semiochemical treatments applying the sit to eradicate outbreaks of invasive pests and using the sit against mosquito vectors of disease this book will be useful reading for students in animal human and plant health courses the in depth reviews of all aspects of the sit and its integration into aw ipm programmes complete with extensive lists of scientific references will be of great value to researchers teachers animal human and plant health practitioners and policy makers

this book lays out the evolution of the often contested construction management discipline how is the field defined what has been discovered to date who are the researchers involved where is the research being conducted what national priorities exist among the many nations now grappling with how to absorb foreign construction expertise or compete in the global commons despite the overwhelming economic and political importance of the global construction industry and its impact on the world until now there has been no book dedicated to describing the body of research in the field or where the knowledge frontier lies this book is the first of its kind offering a comprehensive appraisal of the state of play in the emerging field of international construction management icm research it will serve as a reference guide for academics and researchers embarking on or already active in global construction management research it lays out who the researchers are along with their fields of expertise the institutions dedicated to icm research global research trends

the journals accepting icm research and a country by country analysis of national research priorities it will assist the fledgling phd and the budding researcher as well as the discipline expert in making better decisions on how to advance the field of international construction management through research that both augments cm education and directly benefits the industry

this book investigates new important applications of the spatial grasp technology sgt allowing us to effectively simulate and manage large distributed dynamic systems on semantic and holistic levels this patented technology developed for decades and in different countries is based on a completely different philosophy and model allowing us to directly operate in united distributed physical and virtual spaces and provide system solutions much simpler and more compact than under other approaches the described applications include basic operations suitable for solving many network related problems simulation of such mysterious concept as consciousness so important for the design of advanced intelligent systems modelling the spread of viruses and distribution of antivirus vaccine and also implementation of the latest decision centric and mosaic based organizational concepts important for modern defence and industrial systems the described technology version with its spatial grasp language can be implemented even within university environments with communicating language interpreter copies potentially numbering millions to billions easily embedded into any existing systems including internet thus converting the whole world into a powerful symbiotic simulation management engine the book is oriented on system scientists application programmers industry managers and also university students interested in advanced m sc and ph d projects related to distributed system management

natural products in vector borne disease management explores the potential application of natural products in vector control and disease management the chapters discuss the global impact of specific vector borne diseases gaps in management and natural products in specific stages of development discovery optimization validation and preclinical clinical development toxic effects and mechanisms of action are also discussed this book also explores how therapeutic plant derivatives can be used to combat the vectors of infection and how natural products can be used to manage and treat vector borne diseases like malaria leishmaniasis dengue and trypanosomiasis with the inclusion of case studies on field and clinical applications and the contributions from experts in the field natural products in vector borne disease management is an essential resource to researchers academics and clinicians in parasitology virology microbiology biotechnology pharmacology and pharmacognosy working in the field of vector borne diseases offers an alternative natural approach to the prevention of vector borne diseases discusses the current and future perspectives of vector borne diseases and natural product management covers the properties of plants extracts and their phytoactives in vector borne disease management explores the advantages and disadvantages of natural products versus western medicine for treatment of vector borne diseases

the book offers a syntactic and semantic perspective on the nominalization system in both english and romanian the three main types of deverbal nominalizations analysed here are complex event nominalizations cns simple event nominals sens and result nominals rns according to the well known

distinction made by grimshaw 1990 the hypothesis furthered in the present book is that in both languages deverbal nominalizations form a squish see ross 1972 i e an implicational hierarchy which is built on two dimensions a syntactic dimension i e the presence or absence of a complete vp including some functional structure aspp and a semantic dimension i e whether or not the nominalization expresses an event see wood 2020 thus all the properties of cns and rns described in the literature grimshaw 1990 alexiadou 2001 borer 2011 a o are accounted for on the basis of these two dimensions and are illustrated on a vast corpus of authentic english and romanian examples gathered from dictionaries and online corpora such as corpusul computațional de referință pentru limba română contemporană corola the british national corpus bnc and corpus of contemporary american english coca

radically upgrade your thinking dramatically increase your success what if there was a way to routinely make smart decisions what if you could reliably avoid costly mistakes what if you could remarkably improve your results in all areas of life mental trainer and best selling author patrik edblad has helped tens of thousands of readers to think rationally logically and effectively in this book he lays out a simple concise and actionable guide to intelligent decision making step by step you ll discover the cognitive biases that distort your thinking and how to counteract them the logical fallacies that derail your judgment and how to prevent them the mental models you need to equip your mind with to make great decisions plus the decision making blueprint bonus bundle a free complimentary resource to easily apply everything you learn in your own decisions make a life changing decision today get your copy now to radically improve your thinking and dramatically increase your success

the nazi s never surrendered and planned their 4th reich using neurocognitive weapons going underground their technology made it s way to s america the soviet union the united states among other places we all are bound by the new rules of corporate fascism long planned by himmler and his main strategy for a 4th reich financial control are we all just living in a computer controlled information battlespace continued from world war ii this book dissects the matrix of control used by advanced military industrial powers it breaks down the technology bit by bit so you have an understanding how technology is being used in a battle for your mind i address these issues from a veteran s insight as a former signal intelligence specialist and with some background in the intelligence community i bring forth countermeasures to this control showing you how you can safeguard your mind from these attacks countermeasures that are not available anywhere in the commercial world yet without them you will be easy prey for these directed targeted pulse modulated attacks first used by the nazis

green information and communication systems for a sustainable future covers the fundamental concepts applications algorithms protocols new trends challenges and research results in the area of green information and communication systems this book provides the reader with up to date information on core and specialized issues making it highly suitable for both the novice and the experienced researcher in the field the book covers theoretical and practical perspectives on network design it includes how green ict initiatives and applications can play a major role in reducing co2 emissions and focuses on industry and how it can promote awareness and implementation of green ict the book discusses scholarship and research in green and sustainable it for business and

organizations and uses the power of it to usher sustainability into other parts of an organization business and management educators management researchers doctoral scholars university teaching personnel and policy makers as well as members of higher academic research organizations will all discover this book to be an indispensable guide to green information and communication systems it will also serve as a key resource for industrial and management training organizations all over the world

this book describes the detailed concepts of mobile security the first two chapters provide a deeper perspective on communication networks while the rest of the book focuses on different aspects of mobile security wireless networks and cellular networks this book also explores issues of mobiles iot internet of things devices for shopping and password management and threats related to these devices a few chapters are fully dedicated to the cellular technology wireless network the management of password for the mobile with the modern technologies that helps on how to create and manage passwords more effectively is also described in full detail this book also covers aspects of wireless networks and their security mechanisms the details of the routers and the most commonly used wi fi routers are provided with some step by step procedures to configure and secure them more efficiently this book will offer great benefits to the students of graduate and undergraduate classes researchers and also practitioners

lucid clear visionary bessel van der kolk author of the body keeps the score an expert s inspiring deeply personal account of how childhood trauma can be overcome from the moment they re born babies seek a loving parental attachment when that connection is absent it derails childhood development in ways that can last a lifetime the annual health costs of illness related to child trauma for north america and europe alone are 1 3 trillion dollars child trauma is much more widespread than previously thought and passes from one generation to the next but that s not the end of the story there is overwhelming evidence that this intergenerational transmission can be disrupted so why isn t the eradication of childhood trauma a tier one public priority like defense or growth in trauma proof benjamin perks argues that it must be and that we can tackle it as a public health problem like covid 19 by 1 making sure everyone is aware of the risk 2 preventing transmission and 3 opening pathways to healing perks shows we have the tools to make these three things happen and the evidence to show they work the fields of psychology neuroscience and medicine have made huge leaps in the past 25 years we now know what causes adverse childhood experiences aces how to reduce them and how to address them for the first time in history we know child mistreatment is not inevitable combining expert interviews and intensive reportage from jamaica to scotland from brooklyn to birmingham perks shows the steps we can take to stem the epidemic of childhood trauma he also shares his personal story of growing up in violent group homes fathering a child at fifteen and finding his way in his thirties to healing trauma proof is a rallying call to address child trauma as the public health crisis it is because we can do better for kids and we should

the ideas of this book originate from the mobile wave approach which allowed us more than a half century ago to implement citywide heterogeneous computer networks and solve distributed problems on them well before the internet the invented paradigm evolved into spatial grasp technology and

resulted in a european patent and eight books the volumes covered concrete applications in graph and network theory defense and social systems crisis management simulation of global viruses gestalt theory collective robotics space research and related concepts the obtained solutions often exhibited high system qualities like global integrity distributed awareness and even consciousness this current book takes these important characteristics as primary research objectives together with the theory of patterns covering them all this book is oriented towards system scientists application programmers industry managers defense and security commanders and university students especially those interested in advanced msc and phd projects on distributed system management as well as philosophers psychologists and united nations personnel

vulnerability assessment and risk management are critical components of cybersecurity focusing on identifying evaluating and mitigating potential threats to an organization s digital infrastructure as cyberattacks become more sophisticated understanding vulnerabilities in software hardware or networks is essential for preventing breaches and safeguarding sensitive data risk management analyzes the potential impact of these vulnerabilities and implements strategies to minimize exposure to cyber threats by addressing both vulnerabilities and risks organizations can enhance their resilience prioritize resources and ensure a strong defense against new cyber challenges vulnerabilities assessment and risk management in cyber security explores the use of cyber technology in threat detection and risk mitigation it offers various solutions to detect cyber attacks create robust risk management strategies and secure organizational and individual data this book covers topics such as cloud computing data science and knowledge discovery and is a useful resource for computer engineers data scientists security professionals business owners researchers and academicians

dieses lehrbuch befasst sich mit der konzeptionellen gestaltung und den einsatzbedingungen von rechnungs und informationssystemen in unternehmen themen sind methoden und instrumente der kosten und leistungsrechnung des kostenmanagement und des controlling das buch stellt drei hauptfunktionen in den vordergrund 1 entscheidungsrechnungen bei sicherheit und unsicherheit analysiert werden beziehungen der internen unternehmensrechnung zur investitionsrechnung produktionsprogrammplanung bei sicherheit und bei unsicherheit preisbestimmung break even analysen und instrumente des kostenmanagement 2 kontrollrechnungen im mittelpunkt stehen die berechnung und der auswertung von abweichungen sowie anreizwirkungen von kontrollen 3 koordinationsrechnungen analysiert werden konzepte und wirkungen von budgetierung von kennzahlen zur performancemessung und von verrechnungspreisen systeme der kostenrechnung stehen am schluss des lehrbuches

this two volume set Incs 12198 and 12199 constitutes the thoroughly refereed proceedings of the 11th international conference on digital human modeling and applications in health safety ergonomics and risk management dhm 2020 which was supposed to be held as part of the 22st hci international conference hcii 2020 in copenhagen denmark in july 2020 the conference was held virtually due to the covid 19 pandemic a total of 1439 papers and 238 posters have been carefully reviewed and accepted for publication in hcii 2020 dhm 2020 includes a total of 77 papers they were organized in topical sections named part i

posture motion and health posture and motion modelling in design ergonomics and occupational health applications for exercising physical therapy and rehabilitation health services dhm for aging support part ii human communication organization and work modelling human communication modelling work collaboration and the human environment addressing ethical and societal challenges new research issues and approaches in digital human modelling

apart from a few articles no comprehensive study has been written about the learned men and women in america with czechoslovak roots that s what this compendium is all about with the focus on immigration from the period of mass migration and beyond irrespective whether they were born in their european ancestral homes or whether they have descended from them czech and slovak immigrants including bohemian jews have brought to the new world their talents their ingenuity their technical skills their scientific knowhow and their humanistic and spiritual upbringing reflecting upon the richness of their culture and traditions developed throughout centuries in their ancestral home this accounts for the remarkable success and achievements of these settlers in their new home transcending through their descendants as this monograph demonstrates the monograph has been organized into sections by subject areas i e scholars social scientists biological scientists and physical scientists each individual entry is usually accompanied with literature and additional biographical sources for readers who wish to pursue a deeper study the selection of individuals has been strictly based on geographical ground without regards to their native language or ethical background this was because under the habsburg rule the official language was german and any nationalistic aspirations were not tolerated consequently it would be virtually impossible to determine their innate ethnic roots or how the respective individuals felt doing it in any other way would be a mere guessing and thus less objective

this is an open access book the international conference on accounting management and economics icame is an annual agenda organized by the faculty of economics and business hasanuddin university in 2023 we would like to introduce to you the 8th icame with the current theme entitled establishing inclusive economy and business sub themed development economics public economics financial accounting management accounting finance and investments sustainability business corporate governance human capital islamic economics other related accounting management economics issues we hope that our conference can add discussions and information from various research towards the discourse of new economic policy in the post pandemic era this activity also became an important agenda in publishing scientific papers by academics and became a positive contribution to mapping indonesia s future development therefore we would like to invite academics practitioners researchers to contribute to the development of economic and business management research through participating in the 8th of icame thank you for your participation and we look forward to meeting you at the conference

this book provides solutions to manage information competently in order to increase its business usage the information knowledge business is a highly dynamic evolving industry and the novel methodologies and practices for the business information processing as well as application of mathematical models to the business analytics and efficient management are the most essential for the decision making and further development of this field consequently in this

series subline first volume the authors study challenges and opportunities as well as embrace different aspects of business information processing for an efficient enterprise management the authors cover also methods and techniques as well as strategies for the efficient business information processing for management besides the authors analyse strategies for lowering business information data loss while improving customer satisfaction and maintenance levels the major goal is to analyse the key aspects of managerial implications on the informational business on the continuous basis

this book constitutes the refereed proceedings of the 8th international conference on advances in visual informatics ivic 2023 held in selangor malaysia in november 2023 the 51 full papers presented were carefully reviewed and selected from 101 submissions the conference focused on 6 tracks modeling and simulation mixed reality and hci systems integration and iot cybersecurity energy informatics and intelligent data analytics

as artificial intelligence ai revolutionizes communication and decision making its impact on industries and daily life grows the ai boom has created an exciting opportunity for leaders to optimize human interaction streamline decisions and boost productivity across various fields to compete at the highest level in today s fast paced environments understanding the potential of these technologies is essential enhancing communication and decision making with ai explores cutting edge possibilities for improvement in ai driven collaboration predictive analytics and ethical considerations these chapters provide practical applications and insights for integrating ai into communication and decision making to create compelling communications material and drive consumer action covering topics such as social media influence competitive advantage frontiers and computational intelligence this book is designed with professionals researchers and students in mind

sustainable supply chain management involves integrating environmentally and financially viable practices into the complete supply chain lifecycle from product design and development to material selection and sourcing manufacturing packaging transportation and distribution a sustainable supply chain ensures balance between economic social and environmental performances such as better assurance of human rights ethical work practices carbon footprint reduction waste management and resource efficiency computational intelligence techniques for sustainable supply chain management presents state of the art computational intelligence techniques and applications for supply chain sustainability issues and logistic problems filling the gap between general textbooks on sustainable supply chain management and more specialized literature dealing with methods for computational intelligence this book focuses on addressing problems in advanced topics in the sustainable supply chain and will appeal to practitioners managers researchers academicians students and professionals interested in sustainable logistics sustainable procurement sustainable manufacturing sustainable inventory and production management sustainable scheduling sustainable transportation and sustainable network design serves as a reference on computational intelligence enabled sustainable supply chains for graduate students in computer data science industrial engineering industrial ecology and business explores key topics in sustainable supply chain informatics that is heuristics metaheuristics robotics simulation machine learning big data analytics and artificial intelligence provides a foundation for

industry leaders and professionals to understand recent and cutting edge methodologies and technologies in the domain of sustainable supply chain powered by computational intelligence techniques

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From Liters to Gallons: Navigating the Conversion Conundrum

Converting between liters (l) and gallons (gal) is a common task encountered in various situations, from cooking and baking to automotive maintenance and industrial applications. Understanding this conversion is crucial for accurate measurements and avoiding potential errors that can range from slightly inconvenient to seriously problematic. This article aims to demystify the liter-to-gallon conversion, addressing common challenges and providing a clear, step-by-step guide to ensure accuracy every time.

Understanding the Conversion Factor

The fundamental principle behind converting between liters and gallons lies in understanding the conversion factor. One US gallon is equivalent to approximately 3.78541 liters. This is a crucial constant that forms the basis of all our calculations. It's important to note that there's also a UK gallon, which has a slightly different volume. This article focuses solely on the US gallon, the standard used in most of North America.

Method 1: Direct Conversion Using the Conversion Factor

The most straightforward method involves directly applying the conversion factor. To convert liters to gallons, simply divide the number of liters by the conversion factor (3.78541). Example 1: Converting 10 liters to gallons $10 \text{ liters} / 3.78541 \text{ liters/gallon} \approx 2.6417$ gallons Therefore, 10 liters is approximately equal to 2.6417 US gallons. Example 2: Converting a larger volume: Let's say you have 50 liters of fuel. $50 \text{ liters} / 3.78541 \text{ liters/gallon} \approx 13.2086$ gallons This demonstrates how easily you can scale the conversion for larger volumes.

Method 2: Using a Conversion Calculator or Online Tool

Numerous online conversion calculators are readily available. These tools offer a convenient and quick method for converting between liters and gallons. Simply input the number of liters, select the desired conversion (liters to gallons), and the calculator will instantly provide the equivalent value in gallons. This is especially helpful for those who prefer a less manual approach or need to perform numerous conversions quickly. However, it's important to choose a reputable source to ensure accuracy.

Common Challenges and Pitfalls

One common challenge is dealing with significant figures. While the conversion factor has many decimal places, the precision needed often depends on the context. For instance, in a recipe, rounding to one or two decimal places might suffice, whereas in industrial applications, greater precision is usually required. Always consider the context to determine the appropriate level of precision. Another pitfall is confusing US and UK gallons. Remember that the UK gallon is larger than the US gallon, leading to significant discrepancies if the wrong conversion factor is used. Always double-check which gallon is relevant to your situation.

Advanced Scenarios: Dealing with Fractional Liters and Complex Units

Converting fractional liters, such as 10.5 liters, follows the same principle. Simply divide the total liters by the conversion factor: $10.5 \text{ liters} / 3.78541 \text{ liters/gallon} \approx 2.774 \text{ gallons}$. When dealing with more complex units, such as liters per minute (l/min) to gallons per hour (gal/hr), you need to adjust the conversion factor accordingly. You'll need to consider both the volume and time conversion. For example: To convert 10 l/min to gal/hr: First, convert liters to gallons: $10 \text{ l/min} (1 \text{ gal} / 3.78541 \text{ l}) \approx 2.6417 \text{ gal/min}$. Then, convert minutes to hours: $2.6417 \text{ gal/min} \times 60 \text{ min/hr} \approx 158.5 \text{ gal/hr}$.

Summary

Converting liters to gallons is a fundamental task with practical applications across numerous fields. While the process itself is relatively straightforward, understanding the conversion factor, its limitations, and potential pitfalls is crucial for achieving accurate results. Using direct conversion methods or online calculators provides efficient solutions, but careful consideration of significant figures and the type of gallon being used are essential for preventing errors. Remember to always double-check your calculations and consider the context of your application to ensure the appropriate level of accuracy.

Frequently Asked Questions (FAQs)

1. What is the exact conversion factor for liters to gallons? The exact conversion factor for US gallons is 3.785411784 liters per gallon. However, for most practical purposes, rounding to 3.78541 is sufficient. 2. Can I use a different conversion factor if I'm using Imperial gallons? Yes, you need a different conversion factor for Imperial gallons. One Imperial gallon is approximately 4.546 liters. 3. How can I convert gallons back to liters? To convert gallons to liters, simply multiply the number of gallons by the conversion factor (3.78541 liters/gallon). 4. What if I'm working with very large volumes? The conversion method remains the same, regardless of the volume. However, using a calculator or spreadsheet software can be helpful for managing larger numbers and reducing the risk of manual calculation errors. 5. Are there any online tools that verify my conversion calculations? Yes, many online tools allow you to input your liters and check the gallon equivalent, providing a double-check on your manual calculations. Use these to verify your results, especially for critical applications.

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web step 7 8 place in an oven preheated to 175 c and bake for 70 minutes take care to place a tray on a lower shelf under the crostata to catch any drippings halfway through take the crostata out of the oven and pierce the holes with a knife once again then return to the oven to bake step 8 8

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preheat oven to 350 f remove dough from the fridge remove 1 4 of the dough
and roll the rest of the dough out with a rolling pin on a well floured surface
until it s 1 8 thick roll the dough on to the rolling pin and transfer it to a tart
pan

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of crostata in its modern sense can be traced to the cookbooks libro de arte
coquinaria book of the art of cooking by martino da como published circa
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web cut each wedge into 3 chunks toss the chunks with the orange zest
cover the tart dough with the apple chunks leaving a 1 1 2 inch border
combine the flour sugar salt cinnamon and allspice