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Multi-agent Systems for Traffic and Transportation Engineering Advances in Artificial Intelligence, Software and Systems Engineering Shape Memory Alloy Engineering Genetic Engineering in Livestock Proceedings of International Conference on Communication and Networks Biopolymer Engineering in Food Processing Aeronautical Engineering APAIS 1991: Australian public affairs information service Handbook of Food Science, Technology, and Engineering Physiological and Biotechnological Aspects of Extremophiles The Engineering Index Annual Spravočnik po bezopasnosti dorožnogo dviženija Civil Engineering Transactions 食品生物聚合物 Food biopolymers: Structural, functional and nutraceutical properties Pectins Production Chemicals for the Oil and Gas Industry Natural Polymers for Pharmaceutical Applications Advanced Intelligent Systems for Sustainable Development (AI2SD'2018) Networked Digital Technologies, Part II APAIS, Australian Public Affairs Information Service The Handbook of Road Safety Measures 食品生物聚合物/食品生物聚合物 Intelligent Communication and Computational Technologies Smart Intelligent Computing and Communication Technology Biomaterials for Stem Cell Therapy 20th European Conference on Research Methodology for Business and Management Studies Semantic Technology Advanced Manufacturing and Automation V Extremophiles Emerging Research in Cloud Distributed Computing Systems Fog Computing for Healthcare 4.0 Environments DNA Profiling and DNA Fingerprinting Enterprise, Business-Process and Information Systems Modeling Hybrid Artificial Intelligence and IoT in Healthcare Artificial Intelligence And Innovation Management Advances in Internet, Data & Web Technologies The Army Communicator System Performance Evaluation Database and Expert Systems Applications

Multi-agent Systems for Traffic and Transportation Engineering 2009-01-01 this book aims at giving a complete panorama of the active and promising crossing area between traffic engineering and multi agent system addressing both current status and challenging new ideas provided by publisher

Advances in Artificial Intelligence, Software and Systems Engineering

2021-07-07 this book addresses emerging issues concerning the integration of artificial intelligence systems in our daily lives it focuses on the cognitive visual social and analytical aspects of computing and intelligent technologies and highlights ways to improve the acceptance effectiveness and efficiency of said technologies topics such as responsibility integration and training are discussed throughout the book also reports on the latest advances in systems engineering with a focus on societal challenges and next generation systems and applications for meeting them further it covers some cutting edge issues in energy including intelligent control systems for power plant and technology acceptance models based on the ahfe 2021 conferences on human factors in software and systems engineering artificial intelligence and social computing and energy held virtually on 25 29 july 2021 from usa this book provides readers with extensive information on current research and future challenges in these fields together with practical insights into the development of innovative services for various purposes

Shape Memory Alloy Engineering 2021-01-13 shape memory alloy engineering for aerospace structural and biomedical applications second edition embraces new advancements in materials systems and applications introduced since the first edition readers will gain an understanding of the intrinsic properties of smas and their characteristic state diagrams sections address modeling and design process aspects explore recent applications and discuss research activities aimed at making new devices for innovative implementations the book discusses both the potential of these fascinating materials their limitations in everyday life and tactics on how to overcome some limitations in order to achieve proper design of useful sma mechanisms provides a greatly expanded scope looking at new applications of sma devices and current research activities covers all aspects of sma technology from a global state of the art survey to the classification of existing materials basic material design material manufacture and from device engineering design to implementation within actual systems presents the material within a modular architecture over different topics from material conception to practical engineering realization

*Genetic Engineering in Livestock* 2008-10-20 upcoming applications of genetic engineering in farm animals include higher yields leaner meat or disease resistance the proceedings cover an analysis of the state of the art of the technology and its applications an introduction to the specific application zoopharming a method to produce biopharmaceuticals in transgenic livestock including an analysis of the market for biopharmaceuticals in addition an assessment of ethical aspects of livestock biotechnology and considerations regarding animal welfare implications are covered the study is addressed to science industry and politics

**Proceedings of International Conference on Communication and Networks**

2017-04-07 the volume contains 75 papers presented at international conference on communication and networks comnet 2015 held during february 19 20 2016 at ahmedabad management association ama ahmedabad india and organized by computer society of india csi ahmedabad chapter division iv and association of computing machinery acm ahmedabad chapter the book aims to provide a forum to researchers to propose theory and technology on the networks and services share their experience in it and telecommunications industries and to discuss future management solutions for communication systems networks and services it comprises of original contributions from researchers describing their original unpublished research contribution the papers are mainly from 4 areas security management and control protocol and deployment and applications the topics covered in the book are newly emerging algorithms communication systems network standards services and applications

*Biopolymer Engineering in Food Processing* 2012-05-29 due to their unique properties and ability to interact with other food components biopolymers have traditionally played a major role in food processing biopolymer engineering in

food processing explores processing technology associated with biopolymer applications and discusses both operational and economic aspects following an overview of biopolymer applications and their functionality in different processes the text examines production routes availability costs and physicochemical properties of commercial biopolymers rheology of biopolymer suspensions how concentration and shear may affect their flow behavior and their response to pressure losses and heat transfer during flow effects of food processing and storage conditions on the viscoelastic and textural properties of food gels mechanical and mass transfer properties of films and coating produced from biopolymers composites and nanocomposites the use of biopolymer coatings to reduce oil uptake during deep fat frying of foods and in modified atmosphere storage of foods the book also explores the application of biopolymers in separation processes for recovery of biocompounds it discusses biopolymer behavior during thermoplastic extrusion and the response of certain cereals and snacks to extrusion operating parameters finally it reviews engineering aspects of biopolymers used as drying aids in spray drying and freeze drying of fruit juices and pulps and discusses biopolymers used as cryoprotectants in food freezing a comprehensive source of scientific and technical information for those involved with process design and research and development the book is also an ideal reference for academic researchers and undergraduate and postgraduate students

*Aeronautical Engineering* 1985 a selection of annotated references to unclassified reports and journal articles that were introduced into the nasa scientific and technical information system and announced in scientific and technical aerospace reports star and international aerospace abstracts iaa AP AIS 1991: Australian public affairs information service 2006 physiological and biotechnological aspects of extremophiles highlights the current and topical areas of research in this rapidly growing field expert authors from around the world provide the latest insights into the mechanisms of these fascinating organisms use to survive the vast majority of extremophiles are microbes which include archaea bacteria and some eukaryotes these microbes live under chemical and physical extremes that are usually lethal to cellular molecules yet they manage to survive and even thrive extremophiles have important practical uses they are a valuable source of industrially important enzymes and recent research has revealed novel mechanisms and biomolecular structures with a broad range of potential applications in biotechnology biomining and bioremediation aimed at research scientists students microbiologists and biotechnologists this book is an essential reading for scientists working with extremophiles and a recommended reference text for anyone interested in the microbiology bioprospecting biomining biofuels and extremozymes of these organisms shows the implications of the physiological adaptations of microbes from extreme habitats that are largely contributed by their biomolecules from basic to applied research provides in depth knowledge of genomic plasticity and proteome of different extremophiles gives detailed and comprehensive insight about use of genetic engineering as well as genome editing for industrial applications

Handbook of Food Science, Technology, and Engineering 2020-06-04 since its creation in 1884 engineering index has covered virtually every major engineering innovation from around the world it serves as the historical record of virtually every major engineering innovation of the 20th century recent content is a vital resource for current awareness new production information technological forecasting and competitive intelligence the world s most comprehensive interdisciplinary engineering database engineering index contains over 10 7 million records each year over 500 000 new abstracts are added from over 5 000 scholarly journals trade magazines and conference proceedings coverage spans over 175 engineering disciplines from over 80 countries updated weekly

**Physiological and Biotechnological Aspects of Extremophiles** 1992 The Engineering Index Annual 1996 food biopolymers structural functional and

nutraceutical properties provides valuable coverage of all major food biopolymers from plant animal and marine sources the text focuses on the structural characteristics of biopolymers including starch non starch polysaccharides proteins and fats a full section is dedicated to the nutraceutical potential and applications of these polymers further sections provide comprehensive overviews of the development of functional food products and important data on biopolymer behavior and nutraceutical potential during processing researchers hoping to gain a basic understanding of the techno functional nutraceutical potential and applications of food biopolymers will find a singular source with this text the first section of this work focuses on the the structure functions bioactivity and applications of starches the next chapters cover non starch polysaccharides further sections are dedicated to proteins lipids and oils a detailed overview is provided for each followed by application procedures specifics on individual types proteins and enzymes and nutraceutical properties this work can be used as a singular source for all relevant information on food biopolymers and their structural and functional properties including their potential to increase food quality improve shelf life and reduce pollution and waste in the food industry

**Spravočník po bezopasnosti dorožnogo dwiženija** 1972 this book deepens the study and knowledge on pectins especially in the processes of extraction purification and characterization in short its many and wide applications among the most prominent applications are the food pharmaceutical and other industries the development of pectins has a very promising future with a marked annual increase and with a wide range of sources as written above this book will help its readers to expand their knowledge on this biopolymer with vast application in the industry worldwide

**Civil Engineering Transactions** 2022-11-01 modern production methods and environmental constraints demand chemical solutions and as oilfields age the need for chemicals to ensure steady production increases production chemicals for the oil and gas industry describes classes of production chemicals for use topside and downhole in the upstream oil and gas industry it includes coverage of

□□□□□□□□ 2021-02-11 this new volume natural polymers for pharmaceutical applications volume 1 plant derived polymers presents some of the latest research on the applications of natural polymers in drug delivery and therapeutics for healthcare benefits polymers and their applications from several plants are discussed in depth including tamarind gum gum arabic natural carbohydrate polymer gum tragacanth pectin guar gum and its derivatives locust bean gum sterculia gum okra gum and others the use of the polymers derived from plants as potential pharmaceutical excipients is expanding day by day because of their stability in the biological system drug releasing capability drug targeting abilities as well as their bioavailability

Food biopolymers: Structural, functional and nutraceutical properties

2020-01-22 this book includes the outcomes of the international conference on advanced intelligent systems for sustainable development ai2sd 2018 held in tangier morocco on july 12 14 2018 presenting the latest research in the field of computing sciences and information technology it discusses new challenges and provides valuable insights into the field the goal being to stimulate debate and to promote closer interaction and interdisciplinary collaboration between researchers and practitioners though chiefly intended for researchers and practitioners in advanced information technology management and networking the book will also be of interest to those engaged in emerging fields such as data science and analytics big data internet of things smart networked systems artificial intelligence expert systems and cloud computing

**Pectins** 2016-04-19 this two volume set ccis 293 and ccis 294 constitutes the refereed proceedings of the international conference on networked digital technologies ndt 2012 held in dubai uae in april 2012 the 96 papers presented in the two volumes were carefully reviewed and selected from 228 submissions the papers are organized in topical sections on collaborative systems for e sciences context aware processing and ubiquitous systems data and network mining grid and cloud computing information and data management intelligent agent based systems internet modeling and design mobile ad hoc and sensor



biomedical engineering biology biochemistry materials sciences pharmaceuticals and veterinary and human medicine

2017-10-24 the european conference on research methodology for business and management studies was established 19 years ago this event has been held in countries across europe including ireland england france malta portugal spain to mention only a few of the countries who have hosted it the conference is generally attended by participants from more than 25 countries the electronic journal of business research methods indexed by scopus publishes a special edition of the best papers presented at this conference the conference once again played host to the innovation in teaching of research methodology excellence awards

**Intelligent Communication and Computational Technologies** 2021-10-07 this book constitutes the proceedings of the third joint international semantic technology conference jist 2013 held in seoul south korea in november 2013 the 32 papers included four tutorials and 5 workshop papers in this volume were carefully reviewed and selected from numerous submissions the contributions are organized in topical sections on semantic services multilingual issues biomedical applications ontology construction semantic reasoning semantic search and query ontology mapping and learning and discovery

**Smart Intelligent Computing and Communication Technology** 2013-01-28 advanced manufacturing and automation v contains the proceedings of the 5th international workshop of advanced manufacturing and automation iwama 2015 this meeting continues the success of this important international workshop series and disseminates the works of academic and industrial experts from around the world in the areas of advanced manufacturing and automation the disciplines of manufacturing and automation have attained paramount importance and are vital factors for the maintenance and improvement of the economy of a nation and the quality of life manufacturing and automation are advancing at a rapid pace and new technologies are constantly emerging in the fields the challenges faced by today s engineers are forcing them to keep on top of the emerging trends through continuous research and development the papers comprising these proceedings cover various topics including robotics and automation computational intelligence design and optimization product life cycle management integration of cad capp cam cims advanced manufacturing systems manufacturing operations management knowledge based manufacturing manufacturing quality control and management sustainable production diagnosis and prognosis of machines lean and agile manufacturing virtual and grid manufacturing resource and asset management logistics and supply chain management rfid applications predictive maintenance reliability and maintainability in manufacturing project management renewable energy development environment protection intelligent detection

**Biomaterials for Stem Cell Therapy** 2020-06-18 this book extremophiles general and plant biomass based biorefinery explores the potential of extremophiles in industries and biomass based biorefinery the book sheds light on diversity and various applications of thermophiles psychrophiles halophiles alkaliphiles and acidophiles for the production of value added products including biofuels extremozymes etc the chapters comprehensively emphasize the utility of extremophiles in sustainable biorefinery bioprocesses this book is an integrated source of literature for scientists engineers academicians and students working in the area of extremophiles microbial technology and biorefinery

**20th European Conference on Research Methodology for Business and Management Studies** 2014-05-20 traditional computing concepts are maturing into a new generation of cloud computing systems with wide spread global applications however even as these systems continue to expand they are accompanied by overall performance degradation and wasted resources emerging research in cloud distributed computing systems covers the latest innovations in resource management control and monitoring applications and security of cloud technology compiling and analyzing current trends technological concepts and future directions of computing systems this publication is a timely resource for practicing engineers technologists researchers and advanced students interested in the domain of cloud computing

*Semantic Technology* 2016-02-03 this book provides an analysis of the role of fog computing cloud computing and internet of things in providing uninterrupted context aware services as they relate to healthcare 4.0 the book considers a three layer patient driven healthcare architecture for real time data collection processing and transmission it gives insight to the readers for the applicability of fog devices and gateways in healthcare 4.0 environments for current and future applications it also considers aspects required to manage the complexity of fog computing for healthcare 4.0 and also develops a comprehensive taxonomy

**Advanced Manufacturing and Automation V** 2022-08-15 this manual presents practical approaches to using dna fingerprinting and genetic profiling to answer a variety of biological and medical questions it provides detailed methodology for setting up and performing experiments and evaluating results extensive troubleshooting tips helpful hints and advice for daily practice are also included this will be a useful guide for scientists and researchers engaged in genetic identification and relationship analyses

*Extremophiles* 2015-03-31 this book contains the proceedings of two long running events held along with the caise conference relating to the areas of enterprise business process and information systems modeling the 22nd international conference on business process modeling development and support bpmds 2021 and the 26th international conference on exploring modeling methods for systems analysis and development emmsad 2021 the conferences were planned to take place in melbourne australia during june 28 29 2021 but changed to an online format due to the covid 19 pandemic for bpmds 10 full papers and 1 short paper were carefully reviewed and selected for publication from a total of 26 submissions for emmsad 13 full papers and 1 short paper were accepted from 34 submissions the papers were organized in topical sections as follows bpmds improving event data quality in coherence with business requirements enhancing the value of data in processes improvement event stream and predictive monitoring modeling languages and reference models emmsad enterprise modeling handling models and modeling methods threat and evidence modeling and model driven engineering and applications

Emerging Research in Cloud Distributed Computing Systems 2020-08-02 this book covers applications for hybrid artificial intelligence ai and internet of things iot for integrated approach and problem solving in the areas of radiology drug interactions creation of new drugs imaging electronic health records disease diagnosis telehealth and mobility related problems in healthcare the book discusses the convergence of ai and the hybrid approaches in healthcare which optimizes the possible solutions and better treatment internet of things iot in healthcare is the next gen technologies which automate the healthcare facility by mobility solutions are discussed in detail it also discusses hybrid ai with bio inspired techniques genetic algorithm neuro fuzzy algorithms and soft computing approaches which significantly improves the prediction of critical cardiovascular abnormalities and other healthcare solutions to the ongoing challenging research

Fog Computing for Healthcare 4.0 Environments 2012-12-11 artificial intelligence and innovation management contributes to the ongoing debate among innovation scholars and practitioners focusing on the potential impact of artificial intelligence ai on the ways companies and organizations do business operate and innovate it considers ai as a source of innovation both in terms of innovation within the field of ai itself ai innovation and in terms of how it enables or disrupts innovation in other fields ai driven innovation the book's content is driven by several important conclusions it is therefore both necessary and timely to explore the different aspects of the relationship between ai and im the contributors to this book include both scholars and practitioners from multiple countries and different types of institutions they were selected based on their ability to provide a relevant distinctive perspective on the relationship between ai and im the degree of their professional engagement with the field their ability to contribute to the thematic and contextual diversity of the contributions and their ability to provide actionable insights for both innovation scholars and practitioners helena blackbright malmö universitet sweden and stoyan tanev carleton

university canada are chairing the special interest group on ai and im at the international society for professional innovation management ispim innovation com

**DNA Profiling and DNA Fingerprinting** 2021-06-16 this book presents original contributions on the theories and practices of emerging internet data and technologies and their applicability in businesses engineering and academia focusing on advances in the life cycle exploitation of data generated from the digital ecosystem data technologies that create value e g for businesses toward a collective intelligence approach the internet has become the most proliferative platform for emerging large scale computing paradigms among these data and web technologies are two of the most prominent paradigms and are found in a variety of forms such as data centers cloud computing mobile cloud and mobile services these technologies together create a digital ecosystem whose cornerstone is the data cycle from capturing to processing analyzing and visualizing the investigation of various research and development issues in this digital ecosystem are made more pressing by the ever increasing requirements of real world applications that are based on storing and processing large amounts of data the book is a valuable resource for researchers software developers practitioners and students interested in the field of data and web technologies

*Enterprise, Business-Process and Information Systems Modeling* 2021-07-22 throughout successive generations of information technology the importance of the performance evaluation of software computer architectures and computer networks endures for example the performance issues of transaction processing systems and redundant arrays of independent disks replace the virtual memory and input output problems of the 70s atm performance issues supercede those associated with electronic telephony of the 70s as performance issues evolve with the technologies so must our approach to evaluation in system performance evaluation methodologies and applications top academic and industrial experts review the major issues now faced in this arena in a series of structured focused chapters they present the state of the art in performance methodologies and applications they address developments in analytical modeling and its interaction with detailed analysis of measurement data they also discuss performance evaluation methodologies for large scale software systems in general and in the context of critical applications such as nuclear reactor control and air transportation systems with its particular emphasis on network performance for wireless networks the internet and atm networking system performance evaluation becomes the ideal vehicle for professionals in computer architecture networking and software engineering to stay up to date and proficient in this essential aspect of information technology

**Hybrid Artificial Intelligence and IoT in Healthcare** 2022-03-09 this book constitutes the refereed proceedings of the 22 international conference on database and expert systems applications dexa 2011 held in toulouse france august 29 september 2 2011 the 52 revised full papers and 40 short papers presented were carefully reviewed and selected from 207 submissions the papers are organized in topical sections on query processing database semantics skyline queries security and privacy spatial and temporal data semantic web search storage and search web search data integration transactions and optimization and web applications

*Artificial Intelligence And Innovation Management* 2018-02-23

*Advances in Internet, Data & Web Technologies* 1993

**The Army Communicator** 2000-03-24

System Performance Evaluation 2011-08-19

**Database and Expert Systems Applications**



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