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August 2022 - Surplus Record Machinery & Equipment Directory November 2022 - Surplus Record Machinery & Equipment Directory September 2022 - Surplus Record Machinery & Equipment Directory June 2022 - Surplus Record Machinery & Equipment Directory January 2023 - Surplus Record Machinery & Equipment Directory October 2022 - Surplus Record Machinery & Equipment Directory Bioinspired Applications in Artificial and Natural Computation May 2022 - Surplus Record Machinery & Equipment Directory □□□□ March 2023 - Surplus Record Machinery & Equipment Directory February 2023 - Surplus Record Machinery & Equipment Directory Brain-Machine Interfaces for Assistance and Rehabilitation of People with Reduced Mobility NASA Tech Briefs Advances in Forming, Machining and Automation Intelligent Assistive Robots Robotics and Mechatronics Industrial robots and cobots Communication and Applied Technologies Issues in Robotics and Automation: 2013 Edition Micromanufacturing Engineering and Technology Natural and Artificial Models in Computation and Biology Transactions on Computational Science XVII Computer-Aided Design, Engineering, and Manufacturing Materials, Design and Manufacturing for Sustainable Environment January 2022 - Surplus Record Machinery & Equipment Directory Bungei shunjū Principles of Business & Management A Roadmap to Industry 4.0: Smart Production, Sharp Business and Sustainable Development January 2024 - Surplus Record Machinery & Equipment Mechanisms and Mechanical Devices Sourcebook, Fourth Edition Applied AI and Multimedia Technologies for Smart Manufacturing and CPS Applications March 2022 - Surplus Record Machinery & Equipment Directory Food Engineering Инновационное проектирование цифрового производства в машиностроении Grafting as a Sustainable Means for Securing Yield Stability and Quality in Vegetable Crops Proceedings of the 4th International Conference on Industrial Engineering ICT Systems and Sustainability Fortune Industrial Robotics Manufacturing Engineering

August 2022 - Surplus Record Machinery & Equipment Directory

2022-08-01

surplus record is the leading independent business directory of new and used capital equipment machine tools machinery and industrial equipment listing over 95 000 industrial assets including metalworking and fabricating machine tools chemical and process equipment cranes air compressors pumps motors circuit breakers generators transformers turbines and more over 1 100 businesses list with the surplus record august 2022 issue vol 99 no 8

November 2022 - Surplus Record Machinery & Equipment Directory

2022-11-01

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September 2022 - Surplus Record Machinery & Equipment Directory

2022-09-01

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June 2022 - Surplus Record Machinery & Equipment Directory

2022-06-01

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January 2023 - Surplus Record Machinery & Equipment Directory

2023-01-01

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000 industrial assets including metalworking and fabricating machine tools chemical and process equipment cranes air compressors pumps motors circuit breakers generators transformers turbines and more over 1 100 businesses list with the surplus record march 2022 issue vol 100 no 1

October 2022 - Surplus Record Machinery & Equipment Directory

2022-10-01

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Bioinspired Applications in Artificial and Natural Computation

2009-06-12

the two volume set Incs 5601 and Incs 5602 constitutes the refereed proceedings of the third international work conference on the interplay between natural and artificial computation iwinac 2009 held in santiago de compostela spain in june 2009 the 108 revised papers presented are thematically divided into two volumes the first volume includes papers relating the most recent collaborations with professor mira and contributions mainly related with theoretical conceptual and methodological aspects linking ai and knowledge engineering with neurophysiology clinics and cognition the second volume contains all the contributions connected with biologically inspired methods and techniques for solving ai and knowledge engineering problems in different application domains

May 2022 - Surplus Record Machinery & Equipment Directory

2022-05-01

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2003

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March 2023 - Surplus Record Machinery & Equipment Directory

2018-07-25

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February 2023 - Surplus Record Machinery & Equipment Directory

2008

this book reports on the development of different control tools for brain machine interface based assistance and rehabilitation brain activity is analyzed with the purpose of classify mental tasks and detecting movement intentions in patients with impaired motility event related desynchronization erd and event related synchronization ers are detected throughout this book different control systems are presented and validated this thesis examined at the miguel hernández university of elche spain in 2016 received the award for best thesis in bioengineering from the bioengineering group of the spanish committee of automatic control cea in 2017

Brain-Machine Interfaces for Assistance and Rehabilitation of People with Reduced Mobility

2022-10-03

this book presents selected proceedings of the 8th international and 29th all india manufacturing technology design and research conference aimtdr 2021 it covers the recent developments in the areas of metal forming and machining techniques incremental forming microforming nesting algorithms process simulation parameter analysis tools and tooling tool wear condition monitoring cyber physical systems robotics machine vision intelligent manufacturing enterprise manufacturing intelligence etc the contents of this book will be useful for students researchers as well as industry professionals in the various fields of mechanical engineering

NASA Tech Briefs

2015-03-26

this book deals with the growing challenges of using assistive robots in our everyday activities along with providing intelligent assistive services the presented applications concern mainly healthcare and wellness such as helping elderly people assisting dependent persons habitat monitoring in smart environments well being security etc these applications reveal also new challenges regarding control theory mechanical design mechatronics portability acceptability scalability security etc

Advances in Forming, Machining and Automation

2015-09-21

2023-10-28

this volume contains papers that have been selected after review for oral presentation at isrm 2015 the fourth iftomm international symposium on robotics and mechatronics held in poitiers france 23 24 june 2015 these papers provide a vision of the evolution of the disciplines of robotics and mechatronics including but not limited to mechanism design modeling and simulation kinematics and dynamics of multibody systems control methods navigation and motion planning sensors and actuators bio robotics micro nano robotics complex robotic systems walking machines humanoids parallel kinematic structures analysis and synthesis smart devices new design application and prototypes the book can be used by researchers and engineers in the relevant areas of robotics and mechatronics

Intelligent Assistive Robots

2018-12-08

in the modern world highly repetitive and tiresome tasks are being delegated to machines the demand for industrial robots is growing not only because of the need to improve production efficiency and the quality of the end products but also due to rising employment costs and a shortage of skilled professionals the industrial robot market is projected to grow by 16 year on year in the immediate future the industry s progressing automation is increasing the demand for specialists who can operate robots if you would like to join this sought after and well paid professional group it s time to learn how to operate and program robots using modern methods this book provides all the information you will need to enter the industry without spending money on training or looking for someone willing to introduce you to the world of robotics you will learn about all aspects of programming and implementing robots in a company the book consists of four parts general introduction to robotics for non technical people part two describes industry robotisation part three depicts the principles and methods of programming robots the final part touches upon the safety of industrial robots and cobots are you a student of a technical faculty or even a manager of a plant who would like to robotise production if you are interested in this subject you won t find a better book

Robotics and Mechatronics

2022-11-22

this book features selected papers from the international conference on communication and applied technologies icomta 2022 jointly organized by the universidad del rosario bogotá colombia and the universidad politécnica salesiana cuenca ecuador and as collaborators at the university of vigo galicia spain the university of santiago de compostela political research team galicia spain and the network of communication researchers of ecuador rice during august 31 september 2 2022 it covers recent advances in the field of digital communication and processes digital social media software big data data mining and intelligent systems

Industrial robots and cobots

2013-05-01

issues in robotics and automation 2013 edition is a scholarly editions book that delivers timely authoritative and comprehensive information about computing information and control the editors have built issues in robotics and automation 2013 edition on the vast information databases of scholarlynews you can expect the information about computing information and control in this book to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant the content of issues in robotics and automation 2013 edition has been produced by the world s leading scientists engineers analysts research

institutions and companies all of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at scholarlyeditions and available exclusively from us you now have a source you can cite with authority confidence and credibility more information is available at scholarlyeditions.com

Communication and Applied Technologies

2010-07-02

this book presents applicable knowledge of technology equipment and applications and the core economic issues of micromanufacturing for anyone with a basic understanding of manufacturing material or product engineering it explains micro engineering issues design systems materials market and industrial development technologies facilities organization competitiveness and innovation with an analysis of future potential the machining forming and joining of miniature micro products are all covered in depth covering grinding milling laser applications and photo chemical etching embossing hot uv injection molding and forming bulk sheet hydro laser mechanical assembly laser joining soldering and packaging presents case studies material and design considerations working principles process configurations and information on tools equipment parameters and control explains the many facets of recently emerging additive hybrid technologies and systems incl photo electric forming liga surface treatment and thin film fabrication outlines system engineering issues pertaining to handling metrology testing integration software explains widely used micro parts in bio medical industry information technology and automotive engineering covers technologies in high demand such as micro mechanical cutting lasermachining micro forming micro edm micro joining photo chemical etching photo electro forming and micro packaging

Issues in Robotics and Automation: 2013 Edition

2013-06-03

the two volume set Incs 7930 and Incs 7931 constitutes the refereed proceedings of the 5th international work conference on the interplay between natural and artificial computation iwinac 2013 held in mallorca spain in june 2013 the 92 revised full papers presented in Incs 7930 and Incs 7931 were carefully reviewed and selected from numerous submissions the first part Incs 7930 entitled natural and artificial models in computation and biology includes all the contributions mainly related to the methodological conceptual formal and experimental developments in the fields of neurophysiology and cognitive science the second part Incs 7931 entitled natural and artificial computation in engineering and medical applications contains the papers related to bioinspired programming strategies and all the contributions related to the computational solutions to engineering problems in different application domains specially health applications including the cyted artificial and natural computation for health cans research network papers in addition this two volume set reflects six interesting areas cognitive robotics natural computing wetware computation quality of life technologies biomedical and industrial perception applications and intelligence and neuroscience

Micromanufacturing Engineering and Technology

2013-01-08

the Incs journal transactions on computational science reflects recent developments in the field of computational science conceiving the field not as a mere ancillary science but rather as an innovative approach supporting many other scientific disciplines the journal focuses on original high quality research in the realm of computational science in parallel and distributed environments encompassing the facilitating theoretical foundations and the applications of large scale computations

and massive data processing it addresses researchers and practitioners in areas ranging from aerospace to biochemistry from electronics to geosciences from mathematics to software architecture presenting verifiable computational methods findings and solutions and enabling industrial users to apply techniques of leading edge large scale high performance computational methods the 17th issue of the transactions on computational science journal consists of two parts the first part is comprised of four papers spanning the areas of robotics and augmented reality computer game evaluation strategies cognitive perception in crowd control simulation and reversible processor design using look ahead the second part consists of five papers covering the topics of secure congestion adaptive routing cryptographic schemes for wireless sensor networks intersection attacks on anonymity and reliable message delivery in vehicular ad hoc networks vanet

Natural and Artificial Models in Computation and Biology

2000-12-12

in the competitive business arena companies must continually strive to create new and better products faster more efficiently and more cost effectively than their competitors to gain and keep the competitive advantage computer aided design cad computer aided engineering cae and computer aided manufacturing cam are now the industry standard these seven volumes give the reader a comprehensive treatment of the techniques and applications of cad cae and cam

Transactions on Computational Science XVII

2022-09-28

the book presents select proceedings of the international conference on materials design and manufacturing icmdmse 2022 the book covers recent trends in design and manufacturing practices relating to sustainability various topics covered in this book include materials design for sustainability material characterization tribology finite element methods fem computational fluid dynamics in designing materials manufacturing techniques inclined to sustainability additive manufacturing energy industry 4 0 mems green manufacturing and optimization techniques this book will be useful for researchers and professionals working in various fields of mechanical engineering

Computer-Aided Design, Engineering, and Manufacturing

2022-01-01

surplus record is the leading independent business directory of new and used capital equipment machine tools machinery and industrial equipment listing over 95 000 industrial assets including metalworking and fabricating machine tools chemical and process equipment cranes air compressors pumps motors circuit breakers generators transformers turbines and more over 1 100 businesses list with the surplus record january 2022 issue vol 99 no 1

Materials, Design and Manufacturing for Sustainable Environment

2003

in light of seismic global events including the covid 19 pandemic the black lives matter movement the war in ukraine and extreme weather incidents propelled by climate change there has never been a more important time to learn about management in ways that not only benefit business but also help confront the world s challenges support people and planet and contribute to peace and prosperity for all fully revised and once again endorsed by the un s principles for responsible management education prme initiative this popular textbook equips you with the skills to become a responsibly ethically and sustainably minded business professional featuring two brand new chapters on behaving and digitalizing over 50 new and updated case studies pioneer interviews and practitioner profiles as well as a wide range of exercises and worksheets the book also integrates the un s sustainable development goals sdgs to help promote sustainable development as essential to business and management today this essential textbook can be used for a wide range of courses from introductory business management to responsible sustainable management business ethics business and society and corporate social responsibility csr oliver laasch is a chaired professor of responsible management at escp business school and an adjunct professor of social entrepreneurship at the university of manchester

January 2022 - Surplus Record Machinery & Equipment Directory

2024-03-07

business innovation and industrial intelligence are paving the way for a future in which smart factories intelligent machines networked processes and big data are combined to foster industrial growth the maturity and growth of instrumentation monitoring and automation as key technology drivers support industry 4 0 as a viable competent and actionable business model this book offers a primer helping readers understand this paradigm shift from industry 1 0 to industry 4 0 the focus is on grasping the necessary pre conditions development technological aspects that conceptually describe this transformation along with the practices models and real time experience needed to achieve sustainable smart manufacturing technologies the primary goal is to address significant questions of what how and why in this context such as what is industry 4 0 what is the current status of its implementation what are the pillars of industry 4 0 how can industry 4 0 be effectively implemented how are firms exploiting the internet of things iot big data and other emerging technologies to improve their production and services how can the implementation of industry 4 0 be accelerated how is industry 4 0 changing the workplace landscape why is this melding of the virtual and physical world needed for smart production engineering environments why is smart production a game changing new form of product design and manufacturing

Bungei shunjū

2019-11-27

surplus record is the leading independent business directory of new and used capital equipment machine tools machinery and industrial equipment listing over 110 000 industrial assets since 1924 including metalworking and fabricating machine tools lathes cnc equipment machine centers woodworking equipment food equipment chemical and process equipment cranes air compressors pumps motors circuit breakers generators transformers turbines and more over 1 100 businesses list with the surplus record november 2023 issue vol 101 no 1

Principles of Business & Management

2006-12-11

over 2000 drawings make this sourcebook a gold mine of information for learning and innovating in mechanical design the fourth edition of this unique engineering reference book covers the past present and future of mechanisms and mechanical devices among the thousands of proven mechanisms illustrated and described are many suitable for recycling into new mechanical electromechanical or mechatronic products and systems overviews of robotics rapid prototyping mems and nanotechnology will get you up to speed on these cutting edge technologies easy to read tutorial chapters on the basics of mechanisms and motion control will introduce those subjects to you or refresh your knowledge of them comprehensive index to speed your search for topics of interest glossaries of terms for gears cams mechanisms and robotics new industrial robot specifications and applications mobile robots for exploration scientific research and defense inside mechanisms and mechanical devices sourcebook 4th edition basics of mechanisms motion control systems industrial robots mobile robots drives and mechanisms that include linkages gears cams gears and ratchets clutches and brakes devices that latch fasten and clamp chains belts springs and screws shaft couplings and connections machines that perform specific motions or package convey handle or assure safety systems for torque speed tension and limit control pneumatic hydraulic electric and electronic instruments and controls computer aided design concepts rapid prototyping new directions in mechanical engineering

A Roadmap to Industry 4.0: Smart Production, Sharp Business and Sustainable Development

2023-04-03

in the past decade artificial intelligence ai data analytics and multimedia technology methods for integrating cyber physical systems cps smart manufacturing and industry 4 0 applications in the manufacturing industries have been steadily growing in availability however for industrial leaders finding applicable cost effective and readily implementable multimedia ai and data analytics methods for industrial applications remains a daunting laborious and very expensive endeavor since the ecosystem of these technologies keeps diverging applied ai and multimedia technologies for smart manufacturing and cps applications provides a review of the state of the art regarding the integration of ai and multimedia technologies for smart manufacturing applications it conducts a cost benefit analysis regarding the benefits of the integration of specific ai and multimedia technologies in specific industrial manufacturing applications covering topics such as cognitive lead measurement nonlinear filtering methods and global product development this premier reference source is a dynamic resource for business executives and managers entrepreneurs it professionals manufacturers students and faculty of higher education researchers and academicians

January 2024 - Surplus Record Machinery & Equipment

2022-03-01

surplus record is the leading independent business directory of new and used capital equipment machine tools machinery and industrial equipment listing over 95 000 industrial assets including metalworking and fabricating machine tools chemical and process equipment cranes air compressors pumps motors circuit breakers generators transformers turbines and more over 1 100 businesses list with the surplus record march 2022 issue vol 99 no 3

Mechanisms and Mechanical Devices Sourcebook, Fourth Edition

2006

Даны основы инновационного проектирования цифровых производств для технического перевооружения предприятий машиностроения Издание

обеспечивает практическую подготовку специалистов для разработки технологических инноваций в ходе выполнения технологической подготовки производства опытно технологических работ разработки проектных технологических процессов технического перевооружения производства и управления инновационными проектами с помощью компьютерного моделирования и оптимизации проектных решений Для студентов технических направлений и специальностей бакалавриата магистратуры подготовки и переподготовки специалистов для предприятий машино и приборостроения

Applied AI and Multimedia Technologies for Smart Manufacturing and CPS Applications

2022-08-01

vegetable growers around the world only collect on average half of the yield they would obtain under optimal conditions known as yield potential it is estimated that 60 70 of the yield gap is attributable to abiotic factors such as salinity drought suboptimal temperatures nutritional deficiencies flooding waterlogging heavy metals contamination adverse soil ph and organic pollutants while the remaining 30 40 is due to biotic factors especially soilborne pathogens foliar pathogens arthropods and weeds under climate change forecasts the pressure of biotic abiotic stressors on yield is expected to rise and challenge further global food security to meet global demand several solutions have been proposed focusing on the breeding of varieties with greater yield potential but this one size fits all solution leads to limited benefits in order to overcome the current situation grafting of elite scion varieties onto vigorous rootstock varieties has been suggested as one of the most promising drives towards further yield stability specifically the implementation of suitable rootstock scion environment combinations in solanaceous tomato eggplant pepper and cucurbitaceous melon watermelon melon high value crops represents an untapped opportunity to secure yield stability and reliability under biotic abiotic stresses this special issue invites original research technology reports methods opinions perspectives invited reviews and mini reviews dissecting grafting as a sustainable agro technology for enhancing tolerance to abiotic stresses and reducing disease damage in addition the following are of interest potential contributions dealing with genetic resources for rootstock breeding practices and technologies of rootstock breeding and rootstock scion signaling as well as the physiological and molecular mechanisms underlying graft compatibility in addition the effect of grafting on vegetable quality practical applications and nursery management of grafted seedlings and specialty crops e g artichoke and bean will be considered within the general scope of the special issue we highly believe that this compilation of high standard scientific papers on the principles and practices of vegetable grafting will foster discussions within this important field

March 2022 - Surplus Record Machinery & Equipment Directory

2021-03-29

this book highlights recent findings in industrial manufacturing and mechanical engineering and provides an overview of the state of the art in these fields mainly in russia and eastern europe a broad range of topics and issues in modern engineering are discussed including the dynamics of machines and working processes friction wear and lubrication in machines surface transport and technological machines manufacturing engineering of industrial facilities materials engineering metallurgy control systems and their industrial applications industrial mechatronics automation and robotics the book gathers selected papers presented at the 4th international conference on industrial engineering icie held in moscow russia in may 2018 the authors are experts in various fields of engineering and all papers have been carefully reviewed given its scope the book will be of interest to a wide readership including mechanical and production engineers lecturers in engineering disciplines and engineering graduates

Food Engineering

2018-12-07

this book proposes new technologies and discusses future solutions for ict design infrastructures as reflected in high quality papers presented at the 6th international conference on ict for sustainable development ict4sd 2021 held in goa india on 5 6 august 2021 the book covers the topics such as big data and data mining data fusion iot programming toolkits and frameworks green communication systems and network use of ict in smart cities sensor networks and embedded system network and information security wireless and optical networks security trust and privacy routing and control protocols cognitive radio and networks and natural language processing bringing together experts from different countries the book explores a range of central issues from an international perspective

Инновационное проектирование цифрового производства в машиностроении

2022-01-04

this detailed reference shows how to achieve maximum productivity with robotics classifies robots according to their complexity and function and explains how to avoid common automation mistakes

Grafting as a Sustainable Means for Securing Yield Stability and Quality in Vegetable Crops

2007

Proceedings of the 4th International Conference on Industrial Engineering

2005

ICT Systems and Sustainability

2008

Fortune

Industrial Robotics

Manufacturing Engineering

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