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as device sizes in the semiconductor industries shrink devices become more vulnerable to smaller contaminant particles and most conventional cleaning techniques employed in the industry are not effective at smaller scales the book series developments in surface contamination and cleaning as a whole provides an excellent source of information on these alternative cleaning techniques as well as methods for characterization and validation of surface contamination each volume has a particular topical focus covering the key techniques and recent developments in the area several novel wet and dry surface cleaning methods are addressed in this volume many of these methods have not been reviewed previously or the previous reviews are dated these methods are finding increasing commercial application and the information in this book will be of high value to the reader edited by the leading experts in small scale particle surface contamination cleaning and cleaning control these books will be an invaluable reference for researchers and engineers in r d manufacturing quality control and procurement specification situated in a multitude of industries such as aerospace automotive biomedical defense energy manufacturing microelectronics optics and xerography provides a state of the art survey and best practice guidance for scientists and engineers engaged in surface cleaning or handling the consequences of surface contamination addresses the continuing trends of shrinking device size and contamination vulnerability in a range of industries spearheaded by the semiconductor industry and others covers novel wet and dry surface cleaning methods of increasing commercial importance steam generators for nuclear power plants examines all phases of the lifecycle of nuclear steam generators nsgs components which are essential for the efficient and safe operation of light water reactors lwrs coverage spans the design manufacturing operation and maintenance fitness for service and long term operation of these key reactor parts part one opens with a chapter that provides fundamental background on nsg engineering and operational experiences following chapters review the different nsg concepts describe nsg design and manufacturing and consider the particularities of sgs for vver reactors part two focuses on nsg operation and maintenance starting with an overview of the activities required to support reliable and safe operation the discussion then moves on to tubing vibration followed by the water and steam cycle chemistry issues relevant to the nsg lifecycle finally a number of chapters focus on the key issue of corrosion in nsgs from different angles this book serves as a timely resource for professionals involved in all phases of the nsg lifecycle from design manufacturing operation and maintenance to fitness for service and long term operation it is also intended as a valuable resource for students and researchers interested in a range of topics relating to nsg lifecycle management fulfills the need for a detailed reference on steam generators for nuclear power plants contains comprehensive coverage of all phases of the nuclear steam generator lifecycle from design manufacturing operation and maintenance to fitness for service and long term operation in one convenient volume presents contributions from key manufacturers and research institutes and universities this book concerns industry creation as knowledge creation the authors argue that a new class of global knowledge driven manufacturing industries has emerged in which learning continuity and speed define competition in these new industries access to knowledge creation processes matters more than ownership of physical assets location matters only insofar as it confers learning advantages and market access companies need strategies that can mobilize their organizations country specific strengths and freely leverage them in open global learning partnerships with allies suppliers and customers managing new industry creation distills principles that managers can use to seize leadership for their companies as these new industries emerge the authors draw their insights from firsthand discussions with over 160 managers and scientists who helped found the high information content flat panel display fpd industry in the early 1990s large format fpds exploded into public knowledge as a critical enabling technology for notebook computers in the future fpds will increasingly function as the face by which users interact with technology products the book recounts the business decisions that propelled the industry from humble beginnings to empower a globally mobile workforce and eventually build wall hanging high definition televisions that every household can afford the fpd industry was the first new manufacturing industry to fully emerge in a global economy defined more by trade in knowledge than in physical products although fpds were commercialized in japan the joint efforts of an international community of companies made high volume production of large displays viable companies from outside of japan including ibm applied materials and corning achieved key positions by challenging u s centered preconceptions of innovation new business creation and management process giving unprecedented global authority and responsibility to their japanese affiliates their success established new rules for competing in the knowledge driven global manufacturing industries of the future first described here for managers r d scientists academics and students of corporate strategy the care of pregnant women presents one of the paradoxes of modern medicine women usually require little medical intervention during an uneventful pregnancy conversely those at high risk of damage to their own health or that of their unborn require the help of appropriate medicinal technology including drugs accordingly there are two classes of pregnant women the larger group requires support but not much intervention while the other needs the full range of diagnostic and therapeutic measures applied in any other branch of medicine this book presents the current state of knowledge about drugs in pregnancy in each chapter

information is presented separately for two different aspects of the problem seeking a drug appropriate for prescription during pregnancy and assessing the risk of a drug when exposure has already taken place practising clinicians who prescribe medicinal products to women who are or who may become pregnant will find this volume an invaluable reference cities and their vital systems asks basic questions about the longevity utility and nature of urban infrastructures analyzes how they grow interact and change and asks how when and at what cost they should be replaced among the topics discussed are problems arising from increasing air travel and airport congestion the adequacy of water supplies and waste treatment the impact of new technologies on construction urban real estate values and the field of telematics the combination of computers and telecommunications that makes money machines and national newspapers possible an aid for reseaching non western cultures the bibliographic guide to east asian studies covers japan china north and south korea honk kong and taiwan with approximately 3 500 listings from lc marc tapes and the oriental division of the new york public library it includes publications about east asia materials published in any of the relevant countries and publications in the chinese japanese and korean languages listings are transcribed into anglicised characters each entry provides complete bibliographic information along with the nypl and or lc call numbers this proceedings volume gathers the outcomes of the international conference on engineering research and applications icera 2019 which was held at thai nguyen university of technology vietnam on december 1 2 2019 and provided an international forum for disseminating the latest theories and practices in engineering research and applications the conference focused on original research work in a broad range of areas including mechanical engineering materials and mechanics of materials mechatronics and micromechatronics automotive engineering electrical and electronics engineering and information and communication technology by sharing the latest advances in these fields the book will help academics and professionals alike to revisit their thinking on sustainable development issues in general physics research 2013 edition is a scholarlyeditions book that delivers timely authoritative and comprehensive information about quantum physics the editors have built issues in general physics research 2013 edition on the vast information databases of scholarlynews you can expect the information about quantum physics 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 general physics research 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 politics and technology intersect in the international effort to prevent nuclear proliferation written for scientists policy makers journalists students and concerned citizens the politics and technology of nuclear proliferation makes a highly complex subject understandable this comprehensive overview provides information about both the basic technologies and the political realities methods of producing weapon materials plutonium and highly enriched uranium as well as their use in bombs are described in detail as is the generally successful international effort to prevent the spread of the ability to make nuclear weapons in explaining the problems the world will face if nuclear weapons become generally available mozley summarizes and reviews the methods used to prevent proliferation and describes the status of those nations involved in trade in nuclear materials he places emphasis on the danger of attack by renegade nations or terrorist groups particularly the possibility that weapon material might be stolen from the presently impoverished and unstable former soviet union since jan 1901 the official proceedings and most of the papers of the american association for the advancement of science have been included in science

Current Awareness in Particle Technology

1993

as device sizes in the semiconductor industries shrink devices become more vulnerable to smaller contaminant particles and most conventional cleaning techniques employed in the industry are not effective at smaller scales the book series developments in surface contamination and cleaning as a whole provides an excellent source of information on these alternative cleaning techniques as well as methods for characterization and validation of surface contamination each volume has a particular topical focus covering the key techniques and recent developments in the area several novel wet and dry surface cleaning methods are addressed in this volume many of these methods have not been reviewed previously or the previous reviews are dated these methods are finding increasing commercial application and the information in this book will be of high value to the reader edited by the leading experts in small scale particle surface contamination cleaning and cleaning control these books will be an invaluable reference for researchers and engineers in r d manufacturing quality control and procurement specification situated in a multitude of industries such as aerospace automotive biomedical defense energy manufacturing microelectronics optics and xerography provides a state of the art survey and best practice guidance for scientists and engineers engaged in surface cleaning or handling the consequences of surface contamination addresses the continuing trends of shrinking device size and contamination vulnerability in a range of industries spearheaded by the semiconductor industry and others covers novel wet and dry surface cleaning methods of increasing commercial importance

Energy Research Abstracts

1995

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Research in Education

1972

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wall hanging high definition televisions that every household can afford the fpd industry was the first new manufacturing industry to fully emerge in a global economy defined more by trade in knowledge than in physical products although fpds were commercialized in japan the joint efforts of an international community of companies made high volume production of large displays viable companies from outside of japan including ibm applied materials and corning achieved key positions by challenging u s centered preconceptions of innovation new business creation and management process giving unprecedented global authority and responsibility to their japanese affiliates their success established new rules for competing in the knowledge driven global manufacturing industries of the future first described here for managers r d scientists academics and students of corporate strategy

Transactions of the Royal Asiatic Society, Korea Branch

1977

the care of pregnant women presents one of the paradoxes of modern medicine women usually require little medical intervention during an uneventful pregnancy conversely those at high risk of damage to their own health or that of their unborn require the help of appropriate medicinal technology including drugs accordingly there are two classes of pregnant women the larger group requires support but not much intervention while the other needs the full range of diagnostic and therapeutic measures applied in any other branch of medicine this book presents the current state of knowledge about drugs in pregnancy in each chapter information is presented separately for two different aspects of the problem seeking a drug appropriate for prescription during pregnancy and assessing the risk of a drug when exposure has already taken place practising clinicians who prescribe medicinal products to women who are or who may become pregnant will find this volume an invaluable reference

Bulletin of the Korean Chemical Society

2007

cities and their vital systems asks basic questions about the longevity utility and nature of urban infrastructures analyzes how they grow interact and change and asks how when and at what cost they should be replaced among the topics discussed are problems arising from increasing air travel and airport congestion the adequacy of water supplies and waste treatment the impact of new technologies on construction urban real estate values and the field of telematics the combination of computers and telecommunications that makes money machines and national newspapers possible

The Journal of the Korean Physical Society

2007

an aid for reseaching non western cultures the bibliographic guide to east asian studies covers japan china north and south korea honk kong and taiwan with approximately 3 500 listings from lc marc tapes and the oriental division of the new york public library it includes publications about east asia materials published in any of the relevant countries and publications in the chinese japanese and korean languages listings are transcribed into anglicised characters each entry provides complete bibliographic information along with the nypl and or lc call numbers

Nuclear Science Abstracts

1974

this proceedings volume gathers the outcomes of the international conference on engineering research and applications icera 2019 which was held at thai nguyen university of technology vietnam on december 1 2 2019 and provided an international forum for disseminating the latest theories and practices in engineering research and applications the conference focused on original research work in a broad range of areas including mechanical engineering materials and mechanics of materials mechatronics and micromechatronics automotive engineering electrical and electronics engineering and information and communication technology by sharing the latest advances in these fields the book will help academics and professionals alike to revisit their thinking on sustainable

development

Korean Scientific Abstracts

1979

issues in general physics research 2013 edition is a scholarly editions book that delivers timely authoritative and comprehensive information about quantum physics the editors have built issues in general physics research 2013 edition on the vast information databases of scholarly news you can expect the information about quantum physics 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 general physics research 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 scholarly editions and available exclusively from us you now have a source you can cite with authority confidence and credibility more information is available at scholarly editions com

Developments in Surface Contamination and Cleaning, Volume 8

2015-06-03

politics and technology intersect in the international effort to prevent nuclear proliferation written for scientists policy makers journalists students and concerned citizens the politics and technology of nuclear proliferation makes a highly complex subject understandable this comprehensive overview provides information about both the basic technologies and the political realities methods of producing weapon materials plutonium and highly enriched uranium as well as their use in bombs are described in detail as is the generally successful international effort to prevent the spread of the ability to make nuclear weapons in explaining the problems the world will face if nuclear weapons become generally available mozley summarizes and reviews the methods used to prevent proliferation and describes the status of those nations involved in trade in nuclear materials he places emphasis on the danger of attack by renegade nations or terrorist groups particularly the possibility that weapon material might be stolen from the presently impoverished and unstable former soviet union

NBS Special Publication

1968

since jan 1901 the official proceedings and most of the papers of the american association for the advancement of science have been included in science

Publications

1977

Publications of the National Bureau of Standards

1976

Publications of the National Bureau of Standards ... Catalog

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Publications of the National Institute of Standards and Technology ... Catalog

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Publications of the National Bureau of Standards, 1976 Catalog

1977

Korean Business Directory

1992

INIS Atomindex

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Corrosion Prevention and Control

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Congressional Record

1951

Materials Evaluation

1998

Steam Generators for Nuclear Power Plants

2017-05-24

Government Reports Announcements & Index

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Managing New Industry Creation

2002-11-01

Resources in Education

1997

Drugs During Pregnancy and Lactation

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Scientific and Technical Aerospace Reports

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Science Abstracts

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Research in Education

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Bureau of Ships Journal

1954

Bureau of Ships Journal

1954

Cities and Their Vital Systems

1989

Bibliographic Guide to East Asian Studies

1996-07

Insight

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2019-11-30

Issues in General Physics Research: 2013 Edition

2013-05-01

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