

# **International Journal Of Nuclear Knowledge Management**

International Journal of Mass Emergencies and Disasters  
Nuclear Law Bulletin  
Benn's Media Directory, 1990  
International Journal of Fusion Energy  
Double Jeopardy  
Progress of Nuclear Safety for Symbiosis and Sustainability  
Yearbook of International Organizations  
International Journal of Mental Health  
Permaculture International Journal  
Global and Local Knowledge  
Ulrich's Periodicals Directory  
Nuclear Science and Engineering  
Advances in Nuclear Science and Technology  
Serials in Microform  
International Journal of Radiation Engineering  
Computational Intelligence for Missing Data Imputation, Estimation, and Management: Knowledge Optimization Techniques  
Language Monthly and International Journal of Translation  
International Journal of Materials & Product Technology  
The International Journal of Marine and Coastal Law  
Understanding Information Retrieval Systems  
Machinery Prognostics and Prognosis Oriented Maintenance Management  
International Journal of IFTIHAR  
International Journal of Comparative and Applied Criminal Justice  
The Chartered Mechanical Engineer  
Communicating Risks to the Public  
International Journal of Educational Reform  
Current Serials Received  
Creating a Sustainable Social Ecology Using Technology-driven Solutions  
International Journal  
The Politics of Nuclear Energy in the European Union  
International Journal of Sustainable Development  
International Journal on the Unity of the Sciences  
Encyclopedia of Information Systems and Technology - Two Volume Set  
Serials & Newspapers in Microform  
Library journal  
Books and Periodicals Online  
Nuclear Engineering  
Handbook of Generation IV Nuclear Reactors  
Handbook on Nuclear Law  
The Ethics of Nuclear Energy

## **International Journal of Mass Emergencies and Disasters**

"This book is for those who use data analysis to build decision support systems, particularly engineers, scientists and statisticians"--Provided by publisher.

## **Nuclear Law Bulletin**

## **Benn's Media Directory, 1990**

## **International Journal of Fusion Energy**

## **Double Jeopardy**

## **Progress of Nuclear Safety for Symbiosis and Sustainability**

## **Yearbook of International Organizations**

In order to be effective for their users, information retrieval (IR) systems should be adapted to the specific needs of particular environments. The huge and growing array of types of information retrieval systems in use today is on display in *Understanding Information Retrieval Systems: Management, Types, and Standards*, which addresses over 20 typ

## **International Journal of Mental Health**

## **Permaculture International Journal**

## **Global and Local Knowledge**

## **Ulrich's Periodicals Directory**

## **Nuclear Science and Engineering**

Spanning the multi-disciplinary scope of information technology, the *Encyclopedia of Information Systems and Technology* draws together comprehensive coverage of the inter-related aspects of information systems and technology. The topics covered in this encyclopedia encompass internationally recognized bodies of knowledge, including those of The IT BOK, the Chartered Information Technology Professionals Program, the International IT Professional Practice Program (British Computer Society), the Core Body of Knowledge for IT Professionals (Australian Computer Society), the International Computer Driving License Foundation (European Computer Driving License Foundation), and the Guide to the Software Engineering Body of Knowledge. Using the universally recognized definitions of IT and information systems from these recognized bodies of knowledge, the encyclopedia brings together the information that students, practicing professionals, researchers, and academicians need to keep their knowledge up to date. Also Available Online This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians, including: □ Citation tracking and alerts □ Active reference linking □ Saved searches and marked lists □ HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) [e-reference@taylorandfrancis.com](mailto:e-reference@taylorandfrancis.com) International: (Tel) +44 (0) 20 7017 6062; (E-mail) [online.sales@tandf.co.uk](mailto:online.sales@tandf.co.uk)

## **Advances in Nuclear Science and Technology**

Despite the nuclear accident at the Fukushima Daiichi plant in Japan, a growing number of countries are interested in expanding or introducing nuclear energy. However, nuclear energy production and nuclear waste disposal give rise to pressing ethical questions that society needs to face. This book takes up this challenge with essays by an international team of scholars focusing on the key

issues of risk, justice, and democracy. The essays consider a range of ethical issues, including radiological protection, the influence of gender in the acceptability of nuclear risk, and environmental, international, and intergenerational justice in the context of nuclear energy. They also address the question of when, and under which conditions, nuclear energy should play a role in the world's future supply of electricity, looking at both developing and industrialized countries. The book will interest readers in ethics and political philosophy, social and political sciences, nuclear engineering, and policy studies.

## **Serials in Microform**

## **International Journal of Radiation Engineering**

## **Computational Intelligence for Missing Data Imputation, Estimation, and Management: Knowledge Optimization Techniques**

As advancements in technology continue to influence all facets of society, its aspects have been utilized in order to find solutions to emerging ecological issues. *Creating a Sustainable Ecology Using Technology-Driven Solutions* highlights matters that relate to technology driven solutions towards the combination of social ecology and sustainable development. This publication addresses the issues of development in advancing and transitioning economies through creating new ideas and solutions; making it useful for researchers, practitioners, and policy makers in the socioeconomic sectors.

## **Language Monthly and International Journal of Translation**

Risk communication: the evolution of attempts Risk communication is at once a very new and a very old field of interest. Risk analysis, as Krinsky and Plough (1988:2) point out, dates back at least to the Babylonians in 3200 BC. Cultures have traditionally utilized a host of mechanisms for anticipating, responding to, and communicating about hazards - as in food avoidance, taboos, stigma of persons and places, myths, migration, etc. Throughout history, trade between places has necessitated labelling of containers to indicate their contents. Seals at sites of the ninth century BC Harappan civilization of South Asia record the owner and/or contents of the containers (Hadden, 1986:3). The Pure Food and Drug Act, the first labelling law with national scope in the United States, was passed in 1906. Common law covering the workplace in a number of countries has traditionally required that employers notify workers about significant dangers that they encounter on the job, an obligation formally extended to chronic hazards in the OSHA's Hazard Communication regulation of 1983 in the United States. In this sense, risk communication is probably the oldest way of risk management. However, it is only until recently that risk communication has attracted the attention of regulators as an explicit alternative to the by now more common and formal approaches of standard setting, insuring etc. (Baram, 1982).

## **International Journal of Materials & Product Technology**

## **The International Journal of Marine and Coastal Law**

## **Understanding Information Retrieval Systems**

This book provides insight into the emerging global knowledge village dialectic. Global perspectives produce a new world view on specialized knowledge as the unit of reference for stocks and flows of the hybrid good: the building blocks of the knowledge economy. This book is vital for public sector policy makers and private sector practitioners.

## **Machinery Prognostics and Prognosis Oriented Maintenance Management**

## **International Journal of IFTIHAR**

For the foreseeable future the overall use of nuclear electricity in the European Union is unlikely to change significantly despite the controversies surrounding its use amongst the EU's nation states. The author questions the role that nuclear electricity plays in meeting the challenges of providing secure, competitive and sustainable energy to support the development of the low carbon economy in the EU. Analysis presented focuses on the evolution of the discourse on nuclear energy amongst policy makers at European and national levels as well as amongst the public.

## **International Journal of Comparative and Applied Criminal Justice**

This book introduces advanced methods of computational and information systems allowing readers to better understand the state-of-the-art design and implementation technology needed to maintain and enhance the safe operation of nuclear power plants. The subjects dealt with in the book are (i) Full digital instrumentation and control systems and human-machine interface technologies (ii) Risk monitoring methods for large and complex plants (iii) Condition monitors for plant components (iv) Virtual and augmented reality for nuclear power plants and (v) Software reliability verification and validation for nuclear power plants. The target readers of this book are Ph.D. students, researchers and engineers in the field of nuclear power engineering.

## **The Chartered Mechanical Engineer**

## **Communicating Risks to the Public**

## **International Journal of Educational Reform**

Making the case that we can use nuclear power to combat climate change even as we reduce the risks of nuclear terror. Humanity faces two existential threats: nuclear annihilation and catastrophic climate change. Both have human origins, and both are linked to the use of nuclear energy. Inherent in the use of atomic fission is the risk that the technology and materials can be diverted to terrorists or hostile nations and used to make nuclear weapons. The key question is whether we can use nuclear energy to reduce the threat of climate change without increasing the risk that nuclear weapons will be used. In *Double Jeopardy*, Daniel Poneman argues that the world needs an “all-of-the-above” energy policy, one that advances the goal of decarbonizing the environment through all available means—including nuclear power. Poneman makes a compelling case that we can enhance the ability of nuclear power to combat climate change even as we reduce the risks of nuclear terror. Doing so will require well-crafted laws and policies, implemented with an ethos of constant vigilance and embedded in a culture that weaves safety and security goals into the fabric of our nuclear programs. This will enable government and industry to work together to maximize energy and climate benefits while minimizing safety and security risks.

## **Current Serials Received**

This book gives a complete presentation of the basic essentials of machinery prognostics and prognosis oriented maintenance management, and takes a look at the cutting-edge discipline of intelligent failure prognosis technologies for condition-based maintenance. Presents an introduction to advanced maintenance systems, and discusses the key technologies for advanced maintenance by providing readers with up-to-date technologies. Offers practical case studies on performance evaluation and fault diagnosis technology, fault prognosis and remaining useful life prediction and maintenance scheduling, enhancing the understanding of these technologies. Pulls together recent developments and varying methods into one volume, complemented by practical examples to provide a complete reference.

## **Creating a Sustainable Social Ecology Using Technology-driven Solutions**

## **International Journal**

Handbook of Generation IV Nuclear Reactors presents information on the current fleet of Nuclear Power Plants (NPPs) with water-cooled reactors (Generation III and III+) (96% of 430 power reactors in the world) that have relatively low thermal efficiencies (within the range of 32–36%) compared to those of modern advanced thermal power plants (combined cycle gas-fired power plants – up to 62% and supercritical pressure coal-fired power plants – up to 55%). Moreover, thermal efficiency of the current fleet of NPPs with water-cooled reactors cannot be increased significantly without completely different innovative designs, which are Generation IV reactors. Nuclear power is vital for generating electrical energy without carbon emissions. Complete with the latest research, development, and

design, and written by an international team of experts, this handbook is completely dedicated to Generation IV reactors. Presents the first comprehensive handbook dedicated entirely to generation IV nuclear reactors Reviews the latest trends and developments Complete with the latest research, development, and design information in generation IV nuclear reactors Written by an international team of experts in the field

## **The Politics of Nuclear Energy in the European Union**

## **International Journal of Sustainable Development**

## **International Journal on the Unity of the Sciences**

## **Encyclopedia of Information Systems and Technology - Two Volume Set**

## **Serials & Newspapers in Microform**

## **Library journal**

## **Books and Periodicals Online**

## **Nuclear Engineering**

## **Handbook of Generation IV Nuclear Reactors**

This handbook is a practical aid to legislative drafting that brings together, for the first time, model texts of provisions covering all aspects of nuclear law in a consolidated form. Organised along the same lines as the Handbook on Nuclear Law, published by the IAEA in 2003, and containing updated material on new legal developments, this publication represents an important companion resource for the development of new or revised nuclear legislation, as well as for instruction in the fundamentals of nuclear law. It will be particularly useful for those Member States embarking on new or expanding existing nuclear programmes.

## **Handbook on Nuclear Law**

The present review volume not only covers a wide range of topics pertinent to nuclear science and technology, but has attracted a distinguished international authorship, for which the editors are grateful. The opening review by Drs. Janet

Tawn and Richard Wakeford addresses the difficult matter of questioning scientific hypotheses in a court of law. The United Kingdom experienced a substantial nuclear accident in the 1950s in the form of the Windscale Pile fire. This in itself had both good and bad consequences; the setting up of a licensing authority to ensure nuclear safety was one, the understandable public sentiment concerning nuclear power (despite the fire occurring in a weapons pile) the other. Windscale today is subsumed in the reprocessing plant at Sellafield operated by British Nuclear Fuels plc and it was inevitable perhaps that when an excess cluster of childhood leukaemia was observed in the nearby village of Seascale that public concern should be promoted by the media, leading to the hearing of a claim of compensation brought on behalf of two of the families of BNFLs workers who had suffered that loss. The review article demonstrates the complexity of understanding such a claim against the statistical fluctuations inherent and shows how the courts were persuaded of the need to propose a biological mechanism if responsibility were to be held. The Company were undoubtedly relieved by the finding.

## **The Ethics of Nuclear Energy**

Beginning in 1983/84 published in 3 vols., with expansion to 6 vols. by 2007/2008: vol. 1--Organization descriptions and cross references; vol. 2--Geographic volume: international organization participation; vol. 3--Subject volume; vol. 4--Bibliography and resources; vol. 5--Statistics, visualizations and patterns; vol. 6--Who's who in international organizations. (From year to year some slight variations in naming of the volumes).

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