Big Ip Administrator Guide Jaist

Nancy Kress cemented her reputation in SF with the publication of her multiple-award—winning novella, "Beggars in Spain," which became the basis for her extremely successful Beggars Trilogy (comprising Beggars in Spain, Beggars and Choosers, and Beggars Ride). And now she brings us Probability Space, the conclusion of the trilogy that began with Probability Moon and then Probability Sun, which is centered on the same world as Kress's Nebula Award-winning novelette, "Flowers of Aulit Prison." The Probability Trilogy has already been widely recognized as the next great work by this important SF writer. In Probability Space, humanity's war with the alien Fallers continues, and it is a war we are losing. Our implacable foes ignore all attempts at communication, and they take no prisoners. Our only hope lies with an unlikely coalition: Major Lyle Kaufman, retired warrior; Marbet Grant, the Sensitive who's involved with Kaufman; Amanda, a very confused fourteen-year-old girl; and Magdalena, one of the biggest power brokers in all of human space. As the action moves from Earth to Mars to the farthest reaches of known space,

with civil unrest back home and alien war in deep space, four
humans--armed with little more than an unproven theory--try to
enter the Fallers' home star system. It's a desperate gamble,
and the fate of the entire universe may hang in the balance. At
the Publisher's request, this title is being sold without
Digital Rights Management Software (DRM) applied.
Revised and updated with improvements conceived in parallel
programming courses, The Art of Multiprocessor Programming is an
authoritative guide to multicore programming. It introduces a
higher level set of software development skills than that needed
for efficient single-core programming. This book provides
comprehensive coverage of the new principles, algorithms, and
tools necessary for effective multiprocessor programming.
Students and professionals alike will benefit from thorough
coverage of key multiprocessor programming issues. This revised
edition incorporates much-demanded updates throughout the book,
based on feedback and corrections reported from classrooms since
2008 Learn the fundamentals of programming multiple threads
accessing shared memory Explore mainstream concurrent data
structures and the key elements of their design, as well as

synchronization techniques from simple locks to transactional memory systems Visit the companion site and download source code, example Java programs, and materials to support and enhance the learning experience

This book constitutes revised selected papers from the 4th European Conference on Information Literacy, ECIL 2016, held in Prague, Czech Republic, in October 2016. The 52 full and 19 short papers presented in this volume were carefully reviewed and selected from 259 submissions. They were organized in topical sections named: inclusive society and democracy; employability and workplace; various literacies; reading preference: print vs electronic; theoretical aspects; higher education; discipline based studies; research methods; children and youth; country based studies; academic libraries; librarians; and teaching methods and instruction.

This special issue focuses on the Scientific forum held at the beginning of the International Technical Conference on Animal Genetic Resources for Food and Agriculture, which took place in Interlaken, Switzerland, in September 2007

The Hamely Tongue

Information Security Education. Information Security in Action
4th International Symposium, UCS 2007, Tokyo, Japan, November
25-28, 2007, Proceedings
Blockchain and Crypto Currency
Algebra, Meaning, and Computation
Finite Versus Infinite
Entropy and Information

The second edition of this handbook provides a state-of-the-art overview on the various aspects in the rapidly developing field of robotics. Reaching for the human frontier, robotics is vigorously engaged in the growing challenges of new emerging domains. Interacting, exploring, and working with humans, the new generation of robots will increasingly touch people and their lives. The credible prospect of practical robots among humans is the result of the scientific endeavour of a half a century of robotic developments that established robotics as a modern scientific discipline. The ongoing vibrant expansion and strong growth of the field during the last decade has fueled this second edition of the Springer Handbook of Robotics. The first edition of the handbook soon became a landmark in robotics publishing and won the American Association of Publishers PROSE Award for Excellence in Physical Sciences & Mathematics as well as the organization's Award for Engineering & Technology. The second edition of the handbook, edited by two internationally renowned scientists with

the support of an outstanding team of seven part editors and more than 200 authors, continues to be an authoritative reference for robotics researchers, newcomers to the field, and scholars from related disciplines. The contents have been restructured to achieve four main objectives: the enlargement of foundational topics for robotics, the enlightenment of design of various types of robotic systems, the extension of the treatment on robots moving in the environment, and the enrichment of advanced robotics applications. Further to an extensive update, fifteen new chapters have been introduced on emerging topics, and a new generation of authors have joined the handbook's team. A novel addition to the second edition is a comprehensive collection of multimedia references to more than 700 videos, which bring valuable insight into the contents. The videos can be viewed directly augmented into the text with a smartphone or tablet using a unique and specially designed app. Springer Handbook of Robotics Multimedia Extension Portal: http://handbookofrobotics.org/ Modeling Legal Argument provides a comprehensive treatment of case-based reasoning and a detailed description of a computer program called Hypo, that models the way attorneys argue with cases, real and hypothetical. The program offers significant advantages over "keyword" case retrieval systems in the legal field and demonstrates how to design expert systems that assist the user by presenting reasonable alternative answers on all sides of an issue and by citing case examples to explain their advice. Hypo analyzes problem situations dealing with trade secrets disputes, retrieves relevant legal cases from its database and fashions them

into reasonable legal arguments about who should win. The arguments demonstrate the program's ability to reason symbolically with past cases, to draw factual analogies between cases, to cite them in arguments, to distinguish them, and to pose counter-examples and hypotheticals based on past cases.Modeling Legal Argument discusses the law as a paradigm of case-based argument, introduces Hypo and its adversarial reasoning process, provides an overview of the Hypo program, and gives extended examples of the model's reasoning capabilities. It describes the case knowledge base, a dimensional index, basic mechanisms of case-based reasoning, and offers a theory of case-based argument in Hypo. Ashley evaluates Hypo's performance and takes up adversarial case-based reasoning beyond the law and extensions of the Hypo model.Kevin D. Ashley is a Research Scientist at the Learning Research an Development Center and Assistant Professor of Law at the University of Pittsburgh. Modeling Legal Argument is included in the Artificial Intelligence and Legal Reasoning series, edited by L. Thorne McCarty and Edwina L. Rissland.

A Comprehensive Source for Taking on the Next Stage of OLED R&D OLED Fundamentals: Materials, Devices, and Processing of Organic Light-Emitting Diodes brings together key topics across the field of organic light-emitting diodes (OLEDs), from fundamental chemistry and physics to practical materials science and engineering aspects to design and manufacturing factors. Experts from top academic institutions, industry, and national laboratories provide thorough, up-to-date coverage on the most useful materials,

devices, and design and fabrication methods for high-efficiency lighting. The first part of the book covers all the construction materials of OLED devices, from substrate to encapsulation. For the first time in book form, the second part addresses challenges in devices and processing, including architectures and methods for new OLED lighting and display technologies. The book is suitable for a broad audience, including materials scientists, device physicists, synthetic chemists, and electrical engineers. It can also serve as an introduction for graduate students interested in applied aspects of photophysics and electrochemistry in organic thin films.

Liferay Portal Administrator's Guide, 3rd Edition

Computational and Cognitive Models of Creative Design VI

Language Policy in Japan

9th International Conference, CoopIS 2001, Trento, Italy, September 5-7, 2001. Proceedings

Knowledge, Information, and Creativity Support Systems

Human Activity Recognition and Prediction

The Art of Multiprocessor Programming, Revised Reprint

5th International Conference, KICSS 2010, Chiang Mai, Thailand, Novwember 25-27, 2010, Revised Selected Papers

This book constitutes the thoroughly refereed post-conference proceedings of the 5th International Conference on Knowledge,

Information, and Creativity Support Systems, KCIS 2010, held in Chang Mai, Thailand, in November 2010. The 23 revised full papers presented were carefully reviewed and selected from 72 submissions. The papers cover a broad range of topics related to all knowledge science-related areas including creativity support, decision science, knowledge science, data mining, machine learning, databases, statistics, knowledge acquisition, automatic scientific discovery, data/knowledge visualization, and knowledge-based systems.

The primary purpose of this handbook is to clearly describe the current state of theories of systems sciences and to support their use and practice. There are many ways in which systems sciences can be described. This handbook takes a multifaceted view of systems sciences and describes them in terms of a relatively large number of dimensions, from natural and engineering science to social science and systems management perspectives. It is not the authors' intent, however, to produce a catalog of systems science concepts, methodologies, tools, or products. Instead, the focus is on the structural network of a variety of topics. Special emphasis is given to a

cyclic-interrelated view; for example, when a theory of systems sciences is described, there is also discussion of how and why the theory is relevant to modeling or practice in reality. Such an interrelationship between theory and practice is also illustrated when an applied research field in systems sciences is explained. The chapters in the handbook present definitive discussions of systems sciences from a wide array of perspectives. The needs of practitioners in industry and government as well as students aspiring to careers in systems sciences provide the motivation for the majority of the chapters. The handbook begins with a comprehensive introduction to the coverage that follows. It provides not only an introduction to systems sciences but also a brief overview and integration of the succeeding chapters in terms of a knowledge map. The introduction is intended to be used as a field guide that indicates why, when, and how to use the materials or topics contained in the handbook.

This open access book contributes to the creation of a cyber ecosystem supported by blockchain technology in which technology and people can coexist in harmony. Blockchains have shown that

trusted records, or ledgers, of permanent data can be stored on the Internet in a decentralized manner. The decentralization of the recording process is expected to significantly economize the cost of transactions. Creating a ledger on data, a blockchain makes it possible to designate the owner of each piece of data, to trade data pieces, and to market them. This book examines the formation of markets for various types of data from the theory of market quality proposed and developed by M. Yano. Blockchains are expected to give data itself the status of a new production factor. Bringing ownership of data to the hands of data producers, blockchains can reduce the possibility of information leakage, enhance the sharing and use of IoT data, and prevent data monopoly and misuse. The industry will have a bright future as soon as better technology is developed and when a healthy infrastructure is created to support the blockchain market. This book presents the majority of the contributions to the Tenth German-Vietnamese Seminar on Physics and Engineering (GVS10) that took place in the Gustav- Stresemann-Institut (GSI) in Bonn from June 6 to June 9, 2007. In the focus of these studies are the preparation and basic properties of new material

systems, related investigation methods, and practical applications. Accordingly the sections in this book are entitled electrons: transport and confinement, low-dimensional systems, magnetism, oxidic materials, organic films, new materials, and methods. The series of German-Vietnamese seminars was initiated and sponsored by the Gottlieb Daimler- and Karl Benz -Foundation since 1998 and took place alt- nately in both countries. These bilateral meetings brought together top-notch senior and junior Vietnamese scientists with German Scientists and stimulated many contacts and co-operations. Under the general title "Physics and Engine- ing" the programs covered, in the form of keynote- lectures, oral presentations and posters, experimental and theoretical cutting-edge material-physics oriented topics. The majority of the contributions was dealing with modern topics of material science, particularly nanoscience, which is a research field of high importance also in Vietnam. Modern material science allows a quick transfer of research results to technical applications, which is very useful for fast developing countries like Vietnam. On the other hand, the seminars took profit from the strong cro- fertilization of the different disciplines of

physics. This book is dedicated to the tenth anniversary of the seminars and nicely shows the scientific progress in Vietnam and the competitive level reached.
Proceedings of the High Performance Computing Center Stuttgart, March 2005
Emotion, Affect and Personality in Speech and Language Processing
Cooperative Information Systems
towards a french and european strategy
Entropy and Information Theory
Foundations for Designing User-Centered Systems
Cultural Heritage Information

The finite - infinite interplay is central in human thinking, from ancient philosophers and mathematicians (Zeno, Pythagoras), to modern mathe matics (Cantor, Hilbert) and computer science (Turing, Godel). Recent developments in mathematics and computer science suggest a) radically new answers to classical questions (e. g. , does infinity exist?, where does infinity come from?, how to reconcile the finiteness of the human brain with the infinity of ideas it produces?), b) new questions of debate (e. g. , what is the role

played by randomness?, are computers capable of handling the infinity through unconventional media of computation?, how can one approximate efficiently the finite by the infinite and, conversely, the infinite by finite?). Distinguished authors from around the world, many of them architects of the mathematics and computer science for the new century, contribute to the volume. Papers are as varied as Professor Marcus' activity, to whom this volume is dedicated. They range from real analysis to DNA com puting, from linguistics to logic, from combinatorics on words to symbolic dynamics, from automata theory to geography, and so on, plus an incursion into the old history of conceptions about infinity and a list of philosophical "open problems". They are mainly mathematical and theoretical computer science texts, but not all of them are purely mathematical.

The history of scientific research and technological development is replete with examples of breakthroughs that have advanced the frontiers of knowledge, but seldom does it record events that constitute paradigm shifts in broad areas of intellectual pursuit. One notable exception, however, is that of spin electronics (also called spintronics, magnetoelectronics or magnetronics), wherein

information is carried by electron spin in addition to, or in place of, electron charge. It is now well established in scientific and engineering communities that Moore's Law, having been an excellent predictor of integrated circuit density and computer performance since the 1970s, now faces great challenges as the scale of electronic devices has been reduced to the level where quantum effects become significant factors in device operation. Electron spin is one such effect that offers the opportunity to continue the gains predicted by Moore's Law, by taking advantage of the confluence of magnetics and semiconductor electronics in the newly emerging discipline of spin electronics. From a fundamental viewpoine, spin-polarization transport in a material occurs when there is an imbalance of spin populations at the Fermi energy. In ferromagnetic metals this imbalance results from a shift in the energy states available to spin-up and spin-down electrons. In practical applications, a ferromagnetic metal may be used as a source of spin-polarized electronics to be injected into a semiconductor, a superconductor or a normal metal, or to tunnel through an insulating barrier.
This book constitutes the refereed proceedings of the 13th IFIP WG

11.8 World Conference on Information Security Education, WISE 13, held in Maribor, Slovenia, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 13 full papers presented were carefully reviewed and selected from 28 submissions. The papers are organized in the following topical sections: teaching methods and tools; cybersecurity knowledge within the organization; and teaching of detection and forensics. This book provides a unique view of human activity recognition, especially fine-grained human activity structure learning, human-interaction recognition, RGB-D data based action recognition, temporal decomposition, and causality learning in unconstrained human activity videos. The techniques discussed give readers tools that provide a significant improvement over existing methodologies of video content understanding by taking advantage of activity recognition. It links multiple popular research fields in computer vision, machine learning, human-centered computing, human-computer interaction, image classification, and pattern recognition. In addition, the book includes several key chapters covering multiple emerging topics in the field. Contributed by top experts and practitioners, the chapters present key topics from different

*angles and blend both methodology and application, composing a
solid overview of the human activity recognition techniques.
Ubiquitous Computing Systems
Liferay Administrator's Guide
The Official Guide to Liferay Portal Development
Contributions to an Eternal Dilemma
Information Literacy Instruction
Theory and Practice, 2nd edition
Liferay Portal Administrator's Guide, 3rd Edition*

This book presents the methods, tools and techniques that arecurrently being used to
recognise (automatically) the affect,emotion, personality and everything else beyond
linguistics('paralinguistics') expressed by or embedded in humanspeech and language. It is
the first book to provide such a systematic survey ofparalinguistics in speech and language
processing. The technologydescribed has evolved mainly from automatic speech and
speakerrecognition and processing, but also takes into account recentdevelopments within
speech signal processing, machine intelligenceand data mining. Moreover, the book offers
a hands-on approach by integratingactual data sets, software, and open-source utilities
which willmake the book invaluable as a teaching tool and similarly usefulfor those
professionals already in the field. Key features: Provides an integrated presentation of
basic research (inphonetics/linguistics and humanities) with state-of-the-artengineering

approaches for speech signal processing and machineintelligence. Explains the history and state of the art of all of thesub-fields which contribute to the topic of computationalparalinguistics. C overs the signal processing and machine learning aspects ofthe actual computational modelling of emotion and personality andexplains the detection process from corpus collection to featureextraction and from model testing to system integration. Details aspects of real-world system integration includingdistribution, weakly supervised learning and confidencemeasures. Outlines machine learning approaches including static, dynamicand context-sensitive algorithms for classification andregression. Includes a tutorial on freely available toolkits, such as theopen-source 'openEAR' toolkit for emotion and affectrecognition co-developed by one of the authors, and a listing ofstandard databases and feature sets used in the field to allow forimmediate experimentation enabling the reader to build an emotiondetection model on an existing corpus.

This is just...entropy, he said, thinking that this explained everything, and he repeated the strange word a few times. 1 ? Karel Capek , "Krakatit" This "strange word" denotes one of the most basic quantities of the physics of heat phenomena, that is, of thermodynamics. Although the concept of entropy did indeed originate in thermodynamics, it later became clear that it was a more universal concept, of fundamental signi?cance for chemistry and biology, as well as physics. Although the concept of energy is usually considered more important and easier to grasp, it turns out, as we shall see, that the idea of entropy is just

as substantial—and moreover not all that complicated. We can compute or measure the quantity of energy contained in this sheet of paper, and the same is true of its entropy. Furthermore, entropy has remarkable properties. Our galaxy, the solar system, and the biosphere all take their being from entropy, as a result of its transferenceto the surrounding medium. Thereis a surprisingconnectionbetween entropyandinformation,thatis,thetotalintelligencecommunicatedbyamessage. All of this is expounded in the present book, thereby conveying informationto the readeranddecreasinghis entropy;butitis uptothe readertodecidehowvaluable this information might be.

This book constitutes the refereed proceedings of the 4th International Symposium on Ubiquitous Computing Systems, UCS 2007, held in Tokyo, Japan, in November 2007. The 16 revised full papers and eight revised short papers presented were carefully reviewed and selected from 96 submissions. The papers are organized in topical sections on security and privacy, context awareness, sensing systems and sensor network, middleware, modeling and social aspects, smart devices, and network.

The Liferay Portal Administrator's Guide is your complete guide to installing, integrating, configuring, and maintaining a Liferay Portal server. This comprehensive guide will show you how to bring up a Liferay Portal server and keep it running. From installing a bundle to configuring a Liferay cluster, every aspect of running Liferay Portal is covered.

What System Designers Need to Know about People

Building a High Quality Marketplace for Crypto Data
Encyclopedia of Algorithms
Essays Dedicated to Joseph A. Goguen on the Occasion of His 65th Birthday
Reprints of International Conference of Computational and Cognitive Models of Creative
Design VI, Heron Island, Australia, 10-14 December 2005
Cassandra: The Definitive Guide
Modeling Legal Argument

Imagine what you could do if scalability wasn't a problem. With this hands-on guide, you'll learn how the Cassandra database management system handles hundreds of terabytes of data while remaining highly available across multiple data centers. This expanded second edition—updated for Cassandra 3.0—provides the technical details and practical examples you need to put this database to work in a production environment. Authors Jeff Carpenter and Eben Hewitt demonstrate the advantages of Cassandra's non-relational design, with special attention to data modeling. If you're a developer, DBA, or application architect looking to solve a database scaling issue or future-proof your application, this guide helps you harness Cassandra's speed and flexibility. Understand Cassandra's distributed and decentralized structure Use the Cassandra Query Language (CQL) and cqlsh—the CQL shell Create a working data model and compare it with an equivalent relational model Develop sample applications using client drivers for languages including Java, Python, and Node.js

Explore cluster topology and learn how nodes exchange data Maintain a high level of performance in your cluster Deploy Cassandra on site, in the Cloud, or with Docker Integrate Cassandra with Spark, Hadoop, Elasticsearch, Solr, and Lucene A strong reference on the problem of signal and speech enhancement, describing the newest developments in this exciting field. The general emphasis is on noise reduction, because of the large number of applications that can benefit from this technology. Examines successful and groundbreaking research and practices around the world surrounding library service innovation. The book also provides an overview of libraries' experiences, identifies emerging global themes and trends, and offers guidance to library practitioners on how to pursue the recent trends in their own library environment. This book is devoted to the theory of probabilistic information measures and their application to coding theorems for information sources and noisy channels. The eventual goal is a general development of Shannon's mathematical theory of communication, but much of the space is devoted to the tools and methods required to prove the Shannon coding theorems. These tools form an area common to ergodic theory and information theory and comprise several quantitative notions of the information in random variables, random processes, and dynamical systems. Examples are entropy, mutual information, conditional entropy, conditional information, and discrimination or relative entropy, along with the limiting normalized versions of these quantities such as entropy rate and information rate.

Much of the book is concerned with their properties, especially the long term asymptotic behavior of sample information and expected information. This is the only up-to-date treatment of traditional information theory emphasizing ergodic theory.
Distributed Data at Web Scale
Implementing an IBM High-Performance Computing Solution on IBM Power System S822LC
Springer Handbook of Robotics
Digital Cities II: Computational and Sociological Approaches
Materials, Devices, and Processing of Organic Light-Emitting Diodes
The Challenge of Change
High Performance Computing on Vector Systems 2005

This IBM® Redbooks® publication demonstrates and documents that IBM Power SystemsTM high-performance computing and technical computing solutions deliver faster time to value with powerful solutions. Configurable into highly scalable Linux clusters, Power Systems offer extreme performance for demanding workloads such as genomics, finance, computational chemistry, oil and gas exploration, and high-performance data analytics. This book delivers a high-performance computing solution implemented on the IBM Power System

S822LC. The solution delivers high application performance and throughput based on its built-for-big-data architecture that incorporates IBM POWER8® processors, tightly coupled Field Programmable Gate Arrays (FPGAs) and accelerators, and faster I/O by using Coherent Accelerator Processor Interface (CAPI). This solution is ideal for clients that need more processing power while simultaneously increasing workload density and reducing datacenter floor space requirements. The Power S822LC offers a modular design to scale from a single rack to hundreds, simplicity of ordering, and a strong innovation roadmap for graphics processing units (GPUs). This publication is targeted toward technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) responsible for delivering cost effective high-performance computing (HPC) solutions that help uncover insights from their data so they can optimize business results, product development, and scientific discoveries
This volume - honoring the computer science pioneer Joseph

Goguen on his 65th Birthday - includes 32 refereed papers by leading researchers in areas spanned by Goguen's work. The papers address a variety of topics from meaning, meta-logic, specification and composition, behavior and formal languages, as well as models, deduction, and computation, by key members of the research community in computer science and other fields connected with Joseph Goguen's work. Over the last thirty years, two social developments have occurred that have led to a need for change in language policy in Japan. One is the increase in the number of migrants needing opportunities to learn Japanese as a second language, the other is the influence of electronic technologies on the way Japanese is written. This book looks at the impact of these developments on linguistic behaviour and language management and policy, and at the role of language ideology in the way they have been addressed. Immigration-induced demographic changes confront long cherished notions of national monolingualism and technological advances in electronic text production have

led to textual practices with ramifications for script use
and for literacy in general. The book will be welcomed by
researchers and professionals in language policy and
management and by those working in Japanese Studies.
Presents information on high performance computing and
simulation on modern supercomputer architectures. This book
covers trends in hardware and software development of vector-
based systems and heterogeneous architectures. The
application contributions cover among others computational
fluid dynamics, physics, chemistry, astrophysics, and
biology.
Systems Theory and Practice in the Knowledge Age
A Personal Record of Ulster-Scots in County Antrim
4th European Conference, ECIL 2016, Prague, Czech Republic,
October 10-13, 2016, Revised Selected Papers
Computational Paralinguistics
Speech Enhancement
Technological Advancements in Library Service Innovation
Case Studies in Fisheries Self-governance

This book provides an overview of various challenges and contemporary research activities in cultural heritage information focusing particularly on the cultural heritage content types, their characteristic and digitization challenges; cultural heritage content organization and access issues; users and usability as well as various policy and sustainability issues associated with digital cultural heritage information systems and services. Cultural Heritage Information, the first book in the peer-reviewed i-Research series, contains eleven chapters that have been contributed by seventeen leading academics from six countries. The book begins with an introductory chapter that provides a brief overview of the topic of digital cultural heritage information with the subsequent chapters addressing specific issues and research activities in this topic. The ordering of the chapters moves from scene setting on policies and infrastructures, through considerations of interaction, access and objects, through to concrete system implementations. The book concludes by looking forward to issues around sustainability, in the widest sense, that are necessary to think about in order to maximize the availability and longevity of our digital cultural heritage. The key topics covered are: - Managing digital cultural heritage information - Digital humanities and digital cultural heritage (alt-history and future directions) - Management of cultural heritage information: policies and practices - Cultural heritage information: artefacts and digitization technologies - Metadata in cultural contexts – from manga to digital archives in linked open data environment - Managing cultural heritage: information systems architecture - Cultural heritage information users and usability - A

framework for classifying and comparing interactions in cultural heritage information systems - Semantic access and exploration in cultural heritage digital libraries - Supporting exploration and use of digital cultural heritage materials: the PATHS perspective - Cultural heritage information services: sustainability issues. Readership: This will be essential reading for researchers in Information Science specifically in the areas of digital libraries, digital humanities and digital culture. It will also be useful for practitioners and students in these areas who want to know the different research issues and challenges and learn how they have been handled in course of various research projects in these areas.

One of Springer's renowned Major Reference Works, this awesome achievement provides a comprehensive set of solutions to important algorithmic problems for students and researchers interested in quickly locating useful information. This first edition of the reference focuses on high-impact solutions from the most recent decade, while later editions will widen the scope of the work. All entries have been written by experts, while links to Internet sites that outline their research work are provided. The entries have all been peer-reviewed. This defining reference is published both in print and on line.

This book constitutes the refereed proceedings of the 8th International Conference on Cooperative Information Systems, CoopIS 2001, held in Trento, Italy in September 2001. The 29 revised full papers presented together with three invited contributions were carefully reviewed and selected from 79 submissions. The papers are organized in topical sections on agent and systems; information

integration; middleware, platforms, and architectures; models; multi and federated database systems; Web information systems; workflow management systems; and recommendation and information seeking systems.

Publishing Law is an authoritative and engaging guide to a wide range of legal issues affecting publishing today. Hugh Jones and Christopher Benson present readers with clear and accessible guidance to the complex legal areas specific to the ever evolving world of contemporary publishing, including copyright, moral rights, contracts and licensing, privacy, confidentiality, defamation, infringement and trademarks, with analysis of legal issues relating to sales, advertising, marketing, distribution and competition. This new fifth edition presents updated coverage of the key principles of copyright , as well as new copyright exceptions, licensing and open access. There is also further in-depth coverage of the legal issues around the sale of digital content. Key features of the fifth edition include: updated coverage of EU and UK copyright, including a new chapter on copyright exceptions following the significant changes in the 2014 Regulations Comprehensive coverage of publishing contracts with authors, as well as with other providers, including translators, contributors and contracts for subsidiary rights up to date coverage of the Defamation Act 2013, and other changes to EU and UK legislation exploration of the legal issues relating to digital publishing, including eBook and other electronic agreements, data protection and online issues in relation to privacy, and copyright infringement a range of summary checklists on key issues, ranging from copyright ownership to promotion and data

protection useful appendices offering an A to Z glossary of legal terms and lists of useful address and further reading.
Physics and Engineering of New Materials
Access and management
Spin Electronics
OLED Fundamentals
Reasoning with Cases and Hypotheticals
Publishing Law
For a meaningful artificial intelligence
Foundations for Designing User-Centered Systems introduces the fundamental human capabilities and characteristics that influence how people use interactive technologies. Organized into four main areas—anthropometrics, behaviour, cognition and social factors—it covers basic research and considers the practical implications of that research on system design. Applying what you learn from this book will help you to design interactive systems that are more usable, more useful and more effective. The authors have deliberately developed Foundations for Designing User-Centered Systems to appeal to system designers and developers, as well as to students who are taking courses in system design and HCI. The book reflects the authors' backgrounds in computer science, cognitive science, psychology and human factors. The material in the book

is based on their collective experience which adds up to almost 90 years of working in academia and both with, and within, industry; covering domains that include aviation, consumer Internet, defense, eCommerce, enterprise system design, health care, and industrial process control.
Summary Liferay in Action is a comprehensive and authoritative guide to building portals on the Liferay 6 platform. Fully supported and authorized by Liferay, this book guides you smoothly from your first exposure to Liferay through the crucial day-to-day tasks of building and maintaining an enterprise portal that works well within your existing IT infrastructure. About the Technology A portal is a website built around a collection of components that request, display, and share information. Liferay Portal 6, an enterprise-ready development platform, makes it a snap to build portals that integrate with your existing backend systems and provide a rich interactive user experience. Because Liferay uses standard Java and JavaScript, along with built-in SOAP and JSON support for web services, developers can be productive immediately. And since it's available in both a free, open source version as well as a fully-supported commercial edition, it's an affordable solution for almost any business or organization About the Book Liferay in Action is the official guide to building Liferay portal applications using Java and JavaScript. If you've never used Liferay before,

don't worry. This book starts with the basics: setting up your development environment and creating a working portal. Then, it builds on that foundation to help you discover social features, tagging, ratings, and more. You'll also explore the Portlet 2.0 API, and learn to create custom themes and reusable templates. Experienced developers will learn how to use new Liferay APIs to build social and collaborative sites, use the message bus and workflow, implement indexing and search, and more. This book was developed in close collaboration with Liferay engineers, so it answers the right questions, and answers them in depth. No experience with Liferay or the Portlets API is required, but basic knowledge of Java and web technology is assumed. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Complete coverage of Liferay Portal 6 Covers both the commercial and open source versions Custom portlet development using the Portlet 2.0 spec Liferay's social network API Add functionality with hooks and Ext plugins

====================================== Table of Contents PART 1 WORKING WITH LIFERAY AND PORTLETS The Liferay difference Getting started with the Liferay development platform PART 2 WRITING APPLICATIONS ON LIFERAY'S PLATFORM A data-driven portlet

made easy MVC the Liferay way Designing your site with themes and layout templates Making your site social Enabling user collaboration PART 3 CUSTOMIZING LIFERAY Hooks Extending Liferay effectively A tour of Liferay APIs

Welcome to the proceedings of the Seventh International Conference of the UK Systems Society being held at York University, United Kingdom from July 7th to 10th, 2002. It is a pleasure to be able to share with you this collection ofpapers that have been contributed by systems thinkers from around the world. As with previous UKSS conferences, the aim ofthis conference is to encourage debate and promote development of pertinent issues in systems theory and practice. In current times where the focus has moved from 'information' to 'knowledge' and where 'knowledge management', of everyday speak, it seemed fitting to 'knowledge assets' and so on, have become part offer a conference title of'Systems Theory and Practice in the Knowledge Age'. In keeping with another tradition of previous conferences, the UKSS Conference 2002 Committee decided to compile a collection ofdelegates' papers before the event as a platform from which to launch discussions in York. Ideas presented in the following papers will, undoubtedly, be developed during the dialogue generated at the conference and new papers will emerge. In his abstract for his plenary

at this conference, Professor Peter Checkland throws down the gauntlet to systems thinking and its relevance in the knowledge age with the following statement: "30 Years In The Systems Movement: Disappointments I Have Known and Hopes/or the Future Springing from a lunchtime conversation at an American University, the Systems Movement is now nearly 50 years old.

The Liferay Portal Administrator's Guide is your complete guide to installing, integrating, configuring, and maintaining Liferay Portal. This comprehensive guide will show you how to install Liferay Portal, configure it for your use, and maintain your Liferay-powered site on a day-to-day basis. From installing a bundle to creating your users; from managing site security to administering message boards; from integrating single sign-on to configuring a Liferay cluster, every aspect of running Liferay Portal is covered.

Information Literacy: Key to an Inclusive Society

Handbook of Systems Sciences

13th IFIP WG 11.8 World Conference, WISE 13, Maribor, Slovenia, September 21–23, 2020, Proceedings

Second Kyoto Workshop on Digital Cities, Kyoto, Japan, October 18-20, 2001. Revised Papers

Probability Space
Liferay in Action
A guide for librarians on teaching users how to retrieve and understand information covers learning styles, planning, copyright, design, teaching methods, assessments, diversity, and related topics, and offers exercises and activities.