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*For more than 40 years,
Computerworld has been the
leading source of technology news
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worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

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This unique book provides an accessible introduction to both the scientific background and the key people involved in the discovery and use of radiation and radioactivity. It begins by providing a short history of radiation

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*exposures and radiation poisoning;
from the early inappropriate use of
X-rays and radium cures through
the misadventures of the Manhattan
Project and the Chernobyl disaster,
to the high-profile and deliberate
poisoning of Alexander Litvinenko in*

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London with polonium-210, which gave rise to worldwide media attention. The chapters provide a catalogue of deliberate criminal acts, unfortunate accidents, and inadvertent radiation exposures, exploring well-known events in

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detail, as well as some not so well-known occurrences. It works through the topics by focusing on human stories and events and their biological impact. In addition, it covers descriptions of the beneficial uses of radiation and radioactivity.

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This book can be enjoyed by any reader with a general interest in science, as well as by students and professionals within the scientific and medical communities. Key features Authored by a subject area specialist who has worked in both

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*clinical practice and academia and
was involved with the national
media following incidents of national
and international importance
Provides a unique human
perspective into well-known and
some lesser known events and a*

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concise history of the discovery of radiation and the events that followed Adds scientific and medical background to a subject of high media interest

The four-volume set LNAI 6276--6279 constitutes the refereed

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*proceedings of the 14th
International Conference on
Knowledge-Based Intelligent
Information and Engineering
Systems, KES 2010, held in Cardiff,
UK, in September 2010. The 272
revised papers presented were*

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*carefully reviewed and selected
from 360 submissions. They
present the results of high-quality
research on a broad range of
intelligent systems topics.*

*Hurricanes, Politics, and the Battle
Over Global Warming*

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TIMS/ORSA Bulletin

Business Service Check List

*Bioinformatics and Functional
Genomics*

*8th International Conference, AMT
2012, Macau, China, December
4-7, 2012, Proceedings*

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Advances in Production Management Systems. The Path to Intelligent, Collaborative and Sustainable Manufacturing

A devoutly religious husband and father is revealed as a murderous sex addict in this true crime case featured on 48

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Hours Mystery. In November of 2001, Colorado family man Michael Blagg called 911 in distress over his missing wife and six-year-old daughter, exclaiming "Oh my god . . . there's blood all over!" But frantic search parties and Michael's anguished pleas on national television came up empty.

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Then the investigation stumbled across Blagg's dark side. A devout born-again Christian, Blagg was addicted to Internet porn. He also reportedly abused his wife and indulged in the services of hired escorts. Then in June 2002, nearly a year after her disappearance, his wife's mummified

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remains were found in a local landfill. And Michael quickly left town. Extradited from Georgia, Blagg was charged with first-degree murder. But the explosive trial was rocked by even more bizarre revelations, stunning twists, and an unspeakable mystery that haunted the country: What made Blagg

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do it? And, even more disturbing,
whatever happened to little Abby?
Includes sixteen pages of shocking
photos

This book constitutes the refereed
proceedings of the 8th International
Symposium on Smart Graphics, SG
2007, held in Kyoto, Japan in June 2007

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jointly with the Visual Computing / Graphics and CAD symposium, which takes place in Osaka, Japan. It covers interaction, lifelike characters and affective computing, knowledge-based graphics generation and interaction, and visualization and graphics algorithms.

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Creative problem solving, collaboration, and technology fluency are core skills requisite of any nation's workforce that strives to be competitive in the 21st Century. Teaching these types of skills is an economic imperative, and assessment is a fundamental component of any pedagogical program. Yet,

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measurement of these skills is complex due to the interacting factors associated with higher order thinking and multifaceted communication. Advances in assessment theory, educational psychology, and technology create an opportunity to innovate new methods of measuring students' 21st Century Skills

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with validity, reliability, and scalability. In this book, leading scholars from multiple disciplines present their latest research on how to best measure complex knowledge, skills, and abilities using technology-based assessments. All authors discuss theoretical and practical implications from their research and

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outline their visions for the future of
technology-based assessments.

Proceedings

Improving E-Commerce Web

Applications Through Business

Intelligence Techniques

EKC 2009 Proceedings of EU-Korea

Conference on Science and Technology

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DOE this Month

Housing and Planning References

Encyclopedia of Multimedia

Technology and Networking, Second
Edition

Advances in hardware, software,
and audiovisual rendering

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technologies of recent years have unleashed a wealth of new capabilities and possibilities for multimedia applications, creating a need for a comprehensive, up-to-date reference. The Encyclopedia of Multimedia

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Technology and Networking provides hundreds of contributions from over 200 distinguished international experts, covering the most important issues, concepts, trends, and technologies in

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multimedia technology. This must-have reference contains over 1,300 terms, definitions, and concepts, providing the deepest level of understanding of the field of multimedia technology and networking for

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academicians, researchers, and professionals worldwide.

An investigation into climate change and increasingly dangerous hurricanes from the New York Times – bestselling author of *The Republican War on*

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Science. A leading science journalist delves into a red-hot debate in meteorology: whether the increasing ferocity of hurricanes is connected to global warming. In the wake of Katrina, Chris Mooney follows the

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careers of leading scientists on either side of the argument through the 2006 hurricane season, tracing how the media, special interests, politics, and the weather itself have skewed and amplified what was already a

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fraught scientific debate. As Mooney puts it: “Scientists, like hurricanes, do extraordinary things at high wind speeds.” Mooney—a New Orleans native, host of the Point of Inquiry podcast, and author of The

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Republican Brain—has written “a well-researched, nuanced book” that closely examines whether we as a society should be held responsible for making hurricanes even bigger monsters than they already are (The New

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York Times). “Mooney serves his readers as both an empiricist who gathers data and an analyst who puts it into context. The result is an important book, whose author succeeds admirably in both his roles.”

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—The Plain Dealer “Engaging and readable . . . Mooney catches real science in the act and, in so doing, weaves a story as intriguing as it is important.”

—Los Angeles Times Book Review “Mooney has hit upon an

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important and controversial topic,
and attacks it with vigor.” —The
Boston Globe “An absorbing,
informed account of the politics
behind a pressing contemporary
controversy.” —Kirkus Reviews

The field of data mining is

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receiving significant attention in today's information-rich society, where data is available from different sources and formats, in large volumes, and no longer constitutes a bottleneck for knowledge acquisition. This rich

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information has paved the way for novel areas of research, particularly in the crime data analysis realm. Data Mining Trends and Applications in Criminal Science and Investigations presents scientific

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concepts and frameworks of data mining and analytics implementation and uses across various domains, such as public safety, criminal investigations, intrusion detection, crime scene analysis, and suspect modeling.

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Exploring the diverse ways that data is revolutionizing the field of criminal science, this publication meets the research needs of law enforcement professionals, data analysts, investigators, researchers, and graduate-level

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students.

Theoretical and Practical
Implications from Modern
Research

Interactive Data Visualization
Scientific and Technical
Aerospace Reports

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Mapping Scientific Frontiers

Democratic Committee

Assignments in the Modern

House

Southeastern College Art

Conference Review

compiled and written by workers of the

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*Writer®s program of the Work Projects
Administration in the state of Georgia ;
sponsored by the Georgia Board of
Education.*

*Data Mining Trends and Applications in
Criminal Science and Investigations IGI
Global*

CSCL 2: Carrying Forward the

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Conversation is a thorough and up-to-date survey of recent developments in Computer Supported Collaborative Learning, one of the fastest growing areas of research in the learning sciences. A follow-up to CSCL: Theory and Practice of an Emerging Paradigm (1996), this volume both documents how

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the field has grown and fosters a meaningful discussion of how the research program might be advanced in substantive ways. Recognizing the long-standing traditions of CSCL work in Europe and Japan, the editors sought to broaden and expand the conversation both geographically and topically. The 45

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participating authors represent a range of disciplinary backgrounds, including anthropology, communication studies, computer science, education, psychology, and philosophy, and offer international perspectives on the field. For each chapter, the goal was not only to show how it connects to past and future work

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in CSCL, but also how it contributes to the interests of other research communities. Toward this end, the volume features a "conversational structure" consisting of target chapters, invited commentaries, and author responses. The commentaries on each chapter were solicited from a diverse

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*collection of writers, including prominent scholars in anthropology of education, social studies of science, CSCW, argumentation, activity theory, language and social interaction, ecological psychology, and other areas. The volume is divided into three sections: *Part I explores four case studies of technology*

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*transfer involving CSILE, one of the most prominent CSCL projects. *Part II focuses on empirical studies of learning in collaborative settings. *Part III describes novel CSCL technologies and the theories underlying their design. Historically, there has been a certain amount of controversy as to what the*

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second "C" in CSCL should represent. The conventional meaning is "collaborative" but there are many C-words that can be seen as relevant. With the publication of this volume, "conversational" might be added to the list and, in this spirit, the book might be viewed as an invitation to join a

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conversation in progress and to carry it forward.

Life and Death Rays

*Fundamentals, Evolving Technologies
and Emerging Applications, Third
Edition*

*A Plan B for Getting into the Top
Colleges*

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From Strategy to Implementation

Smart Graphics

8th International Symposium, SG 2007,

Kyoto, Japan, June 25-27, 2007,

Proceedings

**The bestselling introduction to
bioinformatics and genomics -
now in its third edition Widely**

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received in its previous editions, Bioinformatics and Functional Genomics offers the most broad-based introduction to this explosive new discipline. Now in a thoroughly updated and expanded third

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edition, it continues to be the go-to source for students and professionals involved in biomedical research. This book provides up-to-the-minute coverage of the fields of bioinformatics and genomics.

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Features new to this edition include: Extensive revisions and a slight reorder of chapters for a more effective organization A brand new chapter on next-generation sequencing An expanded

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**companion website, also
updated as and when new
information becomes available
Greater emphasis on a
computational approach, with
clear guidance of how
software tools work and**

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**introductions to the use of
command-line tools such as
software for next-generation
sequence analysis, the R
programming language, and
NCBI search utilities The book
is complemented by lavish**

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**illustrations and more than
500 figures and tables - many
newly-created for the third
edition to enhance clarity and
understanding. Each chapter
includes learning objectives, a
problem set, pitfalls section,**

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boxes explaining key techniques and mathematics/statistics principles, a summary, recommended reading, and a list of freely available software. Readers may visit a

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**related Web page for
supplemental information such
as PowerPoints and
audiovisual files of lectures,
and videocasts of how to
perform many basic
operations: www.wiley.com/go**

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**/pevsnerbioinformatics.
Bioinformatics and Functional
Genomics, Third Edition serves
as an excellent single-source
textbook for advanced
undergraduate and beginning
graduate-level courses in the**

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**biological sciences and
computer sciences. It is also
an indispensable resource for
biologists in a broad variety of
disciplines who use the tools
of bioinformatics and
genomics to study particular**

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**research problems;
bioinformaticists and
computer scientists who
develop computer algorithms
and databases; and medical
researchers and clinicians who
want to understand the**

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**genomic basis of viral,
bacterial, parasitic, or other
diseases.**

**From Google search to self-
driving cars to human
longevity, is Alphabet creating
a neoteric Garden of Eden or**

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Bentham's Panopticon? Will King Solomon's challenge supersede the Turing test for artificial intelligence? Can transhumanism mitigate existential threats to humankind? These are some of

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**the overarching questions in
this book, which explores the
impact of information
awareness on humanity
starting from the Book of
Genesis to the Royal Library of
Alexandria in the 3rd century**

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**BC to the modern day of
Google Search, IBM Watson,
and Wolfram|Alpha. The book
also covers Search Engine
Optimization, Google
AdWords, Google Maps,
Google Local Search, and what**

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every business leader must know about digital transformation. “Search is curiosity, and that will never be done,” said Google’s first female engineer and Yahoo’s sixth CEO Marissa Mayer. The

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**truth is out there; we just
need to know how to Google
it!**

**The two-volume set IFIP AICT
513 and 514 constitutes the
refereed proceedings of the
International IFIP WG 5.7**

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**Conference on Advances in
Production Management
Systems, APMS 2017, held in
Hamburg, Germany, in
September 2017. The 121
revised full papers presented
were carefully reviewed and**

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**selected from 163
submissions. They are
organized in the following
topical sections: smart
manufacturing system
characterization; product and
asset life cycle management in**

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**smart factories of industry 4.0;
cyber-physical (IIoT)
technology deployments in
smart manufacturing systems;
multi-disciplinary collaboration
in the development of smart
product-service solutions;**

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**sustainable human integration
in cyber-physical systems: the
operator 4.0; intelligent
diagnostics and maintenance
solutions; operations planning,
scheduling and control; supply
chain design; production**

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**management in food supply
chains; factory planning;
industrial and other services;
operations management in
engineer-to-order
manufacturing; gamification of
complex systems design**

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**development; lean and green
manufacturing; and eco-
efficiency in manufacturing
operations.**

**Decision Management:
Concepts, Methodologies,
Tools, and Applications**

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**Catalog of Copyright Entries.
Third Series
Knowledge-Based and
Intelligent Information and
Engineering Systems
Mutagenesis Studies Revealing
the Complementary Roles of**

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**Effector Protein Binding and
Hydroxylase Active Site in
Catalysis by Toluene
4-monooxygenase
Open the Gates to the Ivy
League
Concepts, Methodologies,**

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Tools, and Applications

Advancements in technology in modern societies have resulted in an abundance of new educational tools and aids. Analyzing the

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*effects of different
mobile educational
applications can provide
insight into how
technology can promote
or discourage purposeful
learning among students*

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and educators alike. The Handbook of Research on Mobile Technology, Constructivism, and Meaningful Learning is a crucial scholarly resource that examines

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*the use of newly-
developed technology on
classroom education.
Featuring pertinent
topics that include
collaborative learning,
social media*

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integration, virtual reality, and critical thinking dispositions, this publication is ideal for educators, academicians, students, and researchers that are

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*interested in expanding
their knowledge on
recent trends and
technologies that are
enhancing the
educational field.
The implementation of*

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effective decision making protocols is crucial in any organizational environment in modern society. Emerging advancements in

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*technology and analytics
have optimized uses and
applications of decision
making systems. Decision
Management: Concepts,
Methodologies, Tools,
and Applications is a*

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*compendium of the latest
academic material on the
control, support, usage,
and strategies for
implementing efficient
decision making systems
across a variety of*

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*industries and fields.
Featuring comprehensive
coverage on numerous
perspectives, such as
data visualization,
pattern analysis, and
predictive analytics,*

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*this multi-volume book
is an essential
reference source for
researchers, academics,
professionals, managers,
students, and
practitioners interested*

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*in the maintenance and
optimization of decision
management processes.
The weekly source of
African American
political and
entertainment news.*

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*Killer Dad
Case Studies Using Open-
Source Tools
Handbook of Research on
Mobile Technology,
Constructivism, and
Meaningful Learning*

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Active Media Technology
The Human-Computer
Interaction Handbook
Georgia, a Guide to Its
Towns and Countryside
Text Mining and Visualization:
Case Studies Using Open-Source

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Tools provides an introduction to text mining using some of the most popular and powerful open-source tools: KNIME, RapidMiner, Weka, R, and Python. The contributors-all highly experienced with text mining and

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*open-source software-explain how
text data are gathered and*

processed from a w

An Updated Guide to the

Visualization of Data for

Designers, Users, and

Researchers Interactive Data

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Visualization: Foundations, Techniques, and Applications, Second Edition provides all the theory, details, and tools necessary to build visualizations and systems involving the visualization of data. In color

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throughout, it explains basic terminology and concepts, algorithmic and software engineering issues, and commonly used techniques and high-level algorithms. Full source code is provided for completing

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*implementations. New to the
Second Edition New related
readings, exercises, and
programming projects Better
quality figures and numerous new
figures New chapter on
techniques for time-oriented data*

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This popular book continues to explore the fundamental components of the visualization process, from the data to the human viewer. For developers, the book offers guidance on designing effective visualizations

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using methods derived from human perception, graphical design, art, and usability analysis. For practitioners, it shows how various public and commercial visualization systems are used to solve specific problems in diverse

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domains. For researchers, the text describes emerging technology and hot topics in development at academic and industrial centers today. Each chapter presents several types of exercises, including review questions and

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problems that motivate readers to build on the material covered and design alternate approaches to solving a problem. In addition, programming projects encourage readers to perform a range of tasks, from the simple

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*implementation of algorithms to
the extension of algorithms and
programming techniques. Web
Resource A supplementary
website includes downloadable
software tools and example data
sets, enabling hands-on*

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experience with the techniques covered in the text. The site also offers links to useful data repositories and data file formats, an up-to-date listing of software packages and vendors, and instructional tools, such as

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*reading lists, lecture slides, and
demonstration programs.*

*Current research fields in science
and technology were presented
and discussed at the EKC2008,
informing about the interests and
directions of the scientists and*

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engineers in EU countries and Korea. The Conference has emerged from the idea of bringing together EU and Korea to get to know each other better, especially in fields of science and technology. The focus of the

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*conference is put on the topics:
Computational Fluid Dynamics,
Mechatronics and Mechanical
Engineering, Information and
Communications Technology, Life
and Natural Sciences, Energy and
Environmental Technology.*

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*Text Mining and Visualization
Google It*

*IFIP WG 5.7 International
Conference, APMS 2017,
Hamburg, Germany, September
3-7, 2017, Proceedings, Part I*

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The Journal of the Institute of Materials Jet

This is an examination of the history
and the state of the art of the quest
for visualizing scientific knowledge
and the dynamics of its

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development. Through an interdisciplinary perspective this book presents profound visions, pivotal advances, and insightful contributions made by generations of researchers and professionals, which portrays a holistic view of the

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underlying principles and mechanisms of the development of science. This updated and extended second edition: highlights the latest advances in mapping scientific frontiers examines the foundations of strategies, principles, and design

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patterns provides an integrated and holistic account of major developments across disciplinary boundaries “ Anyone who tries to follow the exponential growth of the literature on citation analysis and scientometrics knows how difficult it

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is to keep pace. Chaomei Chen has identified the significant methods and applications in visual graphics and made them clear to the uninitiated. Derek Price would have loved this book which not only pays homage to him but also to the key

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players in information science and a wide variety of others in the sociology and history of science. ”

– Eugene Garfield “ This is a wide ranging book on information visualization, with a specific focus on science mapping. Science mapping

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is still in its infancy and many intellectual challenges remain to be investigated and many of which are outlined in the final chapter. In this new edition Chaomei Chen has provided an essential text, useful both as a primer for new entrants

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and as a comprehensive overview of recent developments for the seasoned practitioner. ” – Henry Small
Chaomei Chen is a Professor in the College of Information Science and Technology at Drexel University, Philadelphia, USA, and

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a ChangJiang Scholar at Dalian
University of Technology, Dalian,
China. He is the Editor-in-Chief of
Information Visualization and the
author of Turning Points: The
Nature of Creativity (Springer,
2012) and Information

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Visualization: Beyond the Horizon
(Springer, 2004, 2006).

One of the most important aspects for a successful police operation is the ability for the police to obtain timely, reliable and actionable intelligence related to the

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investigation or incident at hand. Open Source Intelligence (OSINT) provides an invaluable avenue to access and collect such information in addition to traditional investigative techniques and information sources. This book

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offers an authoritative and accessible guide on how to conduct Open Source Intelligence investigations from data collection to analysis to the design and vetting of OSINT tools. In its pages the reader will find a comprehensive view into the

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newest methods for OSINT
analytics and visualizations in
combination with real-life case
studies to showcase the application
as well as the challenges of OSINT
investigations across domains.
Examples of OSINT range from

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information posted on social media as one of the most openly available means of accessing and gathering Open Source Intelligence to location data, OSINT obtained from the darkweb to combinations of OSINT with real-time analytical capabilities

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and closed sources. In addition it provides guidance on legal and ethical considerations making it relevant reading for practitioners as well as academics and students with a view to obtain thorough, first-hand knowledge from serving experts in

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the field.

The focus of this Special Issue is aimed at enhancing the discussion of Engineering Education, particularly related to technological and professional learning. In the 21st century, students face a challenging

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demand: they are expected to have the best scientific expertise, but also highly developed social skills and qualities like teamwork, creativity, communication, or leadership. Even though students and teachers are becoming more aware of this

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necessity, there is still a gap between academic life and the professional world. In this Special Edition Book, the reader can find works tackling interesting topics such as educational resources addressing students ' development of

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competencies, the importance of final year projects linked to professional environments, and multicultural or interdisciplinary challenges.

The Giant Jigsaw Puzzle
Materials World

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International Youth in Achievement
Open Source Intelligence
Investigation
Storm World
Technology-Based Assessments for
21st Century Skills

As the Internet becomes

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increasingly interconnected with modern society, the transition to online business has developed into a prevalent form of commerce. While there exist various advantages and disadvantages to online

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*business, it plays a major
role in contemporary
business methods. Improving
E-Commerce Web Applications
Through Business
Intelligence Techniques
provides emerging research
on the core areas of e-*

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commerce web applications. While highlighting the use of data mining, search engine optimization, and online marketing to advance online business, readers will learn how the role of online commerce is becoming

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more prevalent in modern business. This book is an important resource for vendors, website developers, online customers, and scholars seeking current research on the development and use of e-commerce.

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In the 1980s, traditional Business Intelligence (BI) systems focused on the delivery of reports that describe the state of business activities in the past, such as for questions like "How did our sales

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perform during the last quarter?" A decade later, there was a shift to more interactive content that presented how the business was performing at the present time, answering questions like "How are we

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doing right now?" Today the focus of BI users are looking into the future.

"Given what I did before and how I am currently doing this quarter, how will I do next quarter?" Furthermore, fuelled by the demands of

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Big Data, BI systems are going through a time of incredible change.

Predictive analytics, high volume data, unstructured data, social data, mobile, consumable analytics, and data visualization are all

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examples of demands and capabilities that have become critical within just the past few years, and are growing at an unprecedented pace. This book introduces research problems and solutions on various aspects

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central to next-generation BI systems. It begins with a chapter on an industry perspective on how BI has evolved, and discusses how game-changing trends have drastically reshaped the landscape of BI. One of the

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game changers is the shift toward the consumerization of BI tools. As a result, for BI tools to be successfully used by business users (rather than IT departments), the tools need a business model,

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*rather than a data model.
One chapter of the book
surveys four different types
of business modeling.
However, even with the
existence of a business
model for users to express
queries, the data that can*

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meet the needs are still captured within a data model. The next chapter on vivification addresses the problem of closing the gap, which is often significant, between the business and the data models. Moreover, Big

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Data forces BI systems to integrate and consolidate multiple, and often wildly different, data sources. One chapter gives an overview of several integration architectures for dealing with the challenges that

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need to be overcome. While the book so far focuses on the usual structured relational data, the remaining chapters turn to unstructured data, an ever-increasing and important component of Big Data. One

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*chapter on information
extraction describes methods
for dealing with the
extraction of relations from
free text and the web.
Finally, BI users need tools
to visualize and interpret
new and complex types of*

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information in a way that is compelling, intuitive, but accurate. The last chapter gives an overview of information visualization for decision support and text.

Ivy League schools on

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average reject some 90 percent of applicants. But there is another way to get into the top colleges in the United States—the back gate—that will still see motivated students come out the front gate with an Ivy

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League diploma. This book is the plan B that offers you an alternative set of keys to seven of the Ivy League universities: Harvard, Yale, Columbia, Cornell, Dartmouth, Pennsylvania (Penn), and Brown. Also

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*covered are the so-called
second tier of elite
universities, including
Massachusetts Institute of
Technology (MIT), Duke,
Northwestern, and University
of Virginia, among others,
which have highly selective*

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admission requirements and confer social and economic benefits on par with the traditional Ivy Leagues. From extension schools to special programs for working students to online studies, the range of back gateways

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*is remarkable for leveling
the field for students of
all stripes. This book
provides the little-known
strategies to help you
succeed in enrolling in the
school of your dreams.*

1966: January-June

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*Engineering Education and
Technological / Professional
Learning*

Total Information Awareness

The Quest for Knowledge

Visualization

14th International

Conference, KES 2010,

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*Cardiff, UK, September 8-10,
2010, Proceedings
Computerworld*

***This book constitutes the
refereed proceedings of the 8th
International Conference on
Active Media Technology, AMT***

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2012, held in Macau, China, in December 2012. The 65 revised full papers were carefully reviewed and selected from a numerous submissions. The papers are organized in topical sections on awareness multi-

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***agent systems, data mining,
ontology mining, web reasoning,
social applications of active
media, human-centered
computing, personalization and
adaptation, smart digital art and
e-learning.***

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The Human-Computer Interaction Handbook: Fundamentals, Evolving Technologies, and Emerging Applications is a comprehensive survey of this fast-paced field that is of interest to all HCI practitioners,

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***educators, consultants, and
researchers. This includes
computer scientists; industrial,
electrical, and computer
engineers; cognitive scientists;
exp***

Radioactive Poisoning and

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Radiation Exposure

CSCL 2

***Perspectives on Business
Intelligence***

***Data Mining Trends and
Applications in Criminal Science
and Investigations***

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***Foundations, Techniques, and
Applications, Second Edition***