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**This proceedings volume
contains selected papers
presented at the 2014
International Conference on
Education Management and**

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Management Science (ICEMMS 2014), held August 7-8, 2014, in Tianjin, China. The objective of ICEMMS2014 is to provide a platform for researchers, engineers,

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**academicians as well as
industrial professionals
from all over the wo
In many applications of
graph theory, graphs are
regarded as geometric
objects drawn in the plane**

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**or in some other surface.
The traditional methods of
"abstract" graph theory are
often incapable of
providing satisfactory
answers to questions
arising in such applications.**

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In the past couple of decades, many powerful new combinatorial and topological techniques have been developed to tackle these problems. Today geometric graph theory is a

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burgeoning field with many striking results and appealing open questions. This contributed volume contains thirty original survey and research papers on important recent

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developments in geometric graph theory. The contributions were thoroughly reviewed and written by excellent researchers in this field. Advanced Engineering

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Mathematics provides comprehensive and contemporary coverage of key mathematical ideas, techniques, and their widespread applications, for students majoring in

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engineering, computer science, mathematics and physics. Using a wide range of examples throughout the book, Jeffrey illustrates how to construct simple mathematical models, how

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to apply mathematical reasoning to select a particular solution from a range of possible alternatives, and how to determine which solution has physical significance.

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Jeffrey includes material that is not found in works of a similar nature, such as the use of the matrix exponential when solving systems of ordinary differential equations. The

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text provides many detailed, worked examples following the introduction of each new idea, and large problem sets provide both routine practice, and, in many cases, greater

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challenge and insight for students. Most chapters end with a set of computer projects that require the use of any CAS (such as Maple or Mathematica) that reinforce ideas and provide

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**insight into more advanced
problems. Comprehensive
coverage of frequently
used integrals, functions
and fundamental
mathematical results
Contents selected and**

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**organized to suit the needs
of students, scientists, and
engineers Contains tables
of Laplace and Fourier
transform pairs New
section on numerical
approximation New section**

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**on the z-transform Easy
reference system
This book constitutes the
refereed proceedings of the
First International
Conference on Advanced
Data Mining and**

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Applications, ADMA 2005, held in Wuhan, China in July 2005. The conference was focused on sophisticated techniques and tools that can handle new fields of data mining, e.g. spatial

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data mining, biomedical data mining, and mining on high-speed and time-variant data streams; an expansion of data mining to new applications is also strived for. The 25 revised

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full papers and 75 revised short papers presented were carefully peer-reviewed and selected from over 600 submissions. The papers are organized in topical sections on

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**association rules,
classification, clustering,
novel algorithms, text
mining, multimedia mining,
sequential data mining and
time series mining, web
mining, biomedical mining,**

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**advanced applications,
security and privacy issues,
spatial data mining, and
streaming data mining.
Proceedings of the Fifth
Berkeley Symposium on
Mathematical Statistics and**

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**Probability
Proceedings of the
International Conference on
Education Management and
Management Science
(ICEMMS 2014), August 7-8,
2014, Tianjin, China**

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**New Studies on Economic
Networks and
Synchronization
Database Systems For
Advanced Applications '91 -
Proceedings Of The 2nd
International Symposium**

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**On Database Systems For
Advanced Applications
Atlas of Steroid Structure
Encyclopedia of Computer
Science and Technology**

*This volume contains the
papers selected for*

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*presentation at the 10th
International Conference
on Rough Sets, Fuzzy
Sets, Data Mining, and
Granular Computing,
RSFDGrC 2005, organized
at the University of*

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*Regina, August
31st-September 3rd,
2005.*

*This volume contains the
proceedings of the 14th
International Conference
on Principles and*

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*Practice of Constraint
Programming (CP 2008)
held in Sydney,
Australia, September
14-18, 2008. The
conference was held in
conjunction with the*

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*International Conference
on Automated Planning
and Scheduling (ICAPS
2008) and the
International Conference
on Knowledge
Representation and R-*

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soning (KR 2008).

*Information about the
conference can be found
at the w-*

*site <http://www.unimelb.edu.au/cp2008/>. Held
annually, the CP*

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conference series is the premier international conference on constraint programming. The conference focuses on all aspects of computing with constraints. The CP

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conf- ence series is organized by the Association for Constraint Programming (ACP). Information about the conferences in the series can be found on

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the Web at <http://www.cs.ualberta.ca/~ai/cp/>. Information about ACP can be found at <http://www.a4cp.org/>. CP 2008 included two calls for

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*contributions: a call
for research papers, -
scribing novel
contributions in the
?eld, and a call for
application papers, -
scribing applications of*

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*constraint technology.
For the first time
authors could directly
submit short papers for
consideration by the
committee. The research
track received 84 long*

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*submissions and 21 short
submissions and the
application track
received 15 long
submissions. Each paper
received at least three
reviews, which the*

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*authors had the
opportunity to see and
to react to, before the
papers and their reviews
were discussed
extensively by the
members of the Program*

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Committee.

This 43rd volume assesses the value of EDI to using workstations as building blocks for parallel computing.

This book presents

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*appealing contributions
on computational
intelligence and
mathematics, connecting
both areas and offering
solutions to a number of
interesting, real-world*

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problems. Such problems often require novel solutions, as complexity exceeds the tractable size. At the same time, the need for good-quality realistic

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*solutions results in
models and algorithms
with a good balance of
resource intensiveness
and model quality
(accuracy). Many areas
of knowledge call for*

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*hybrid solutions that
combine traditional
mathematical techniques
and computational
intelligence based on
subsymbolic knowledge
representation.*

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Important research topics are focused on developing the interaction between computational intelligence and mathematics, in order to

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address various challenges of the current technological age. Written by influential, leading researchers, this book discusses the latest

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*trends in hybridising
mathematics and
computational
intelligence.*

*Multipanes and
Multispheres*

Middle East Economic

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Survey

*Symbolic Logic and Logic
Processing*

*OTM Confederated
International*

*Conferences and Posters,
AWeSOMe, CAMS, COMINF, IS,*

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*KSinBIT, MIOS-CIAO, MONET,
OnToContent, ORM, PerSys, O
TM Academy Doctoral
Consortium,
RDDS, SWWS, SeBGIS 2006,
Montpellier, France,
October 29 - November 3,
Page 46/175*

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*2006, Proceedings, Part
I*

The IMO Compendium

*A Collection of Problems
Suggested for The
International*

Mathematical Olympiads:

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1959–2009 Second Edition

model. In general, the mean atomic positions and the geometrical parameters calculated from them are more accurate if the more sophisticated anisotropic model

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has been used for the thermal motion during structure refinement. Low temperature data collection also results in more accurately determined structures. By decreasing the temperature at which data is

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collected, the intensities and number of data observed is increased. Since hydrogen atoms have only a single electron, they scatter X-rays very weakly, and they can be observed experimentally only if

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the data are of good quality. Finally, in the absence of systematic errors in data collection or refinement, the greater the number of observed data relative to the number of independent atoms, the better

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the atomic resolution will be. Table 1 is a summary of the information used in assessing the reliability of a structure. Neutron diffraction is the result of interaction of atomic nuclei with a neutron beam. The

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intensity of the diffracted beam is not proportional to atomic number. Hydrogen, deuterium, carbon, oxygen and nitrogen scatter neutrons with almost equal intensity. In addition, hydrogen and deuterium scatter

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out of phase so that they can be distinguished with high precision. 20-Methyl-5-pregnene-3 β ,20-diol (PR104N) is the only steroid which has been the subject of a neutron diffraction study. The study was

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undertaken to examine the stereospecificity of Grignard addition using deuterated reagent. Data were collected at 123 ° K.

Language processing is considered as an important part

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of cognition, with an ever-increasing amount of studies conducted on this field. This volume brings together research on language processing and disorders presented at the Experimental

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Psycholinguistics Conference in Madrid. It covers topics ranging across syntax processing, second language acquisition, bilingualism, lexical processing, and language disorders. The contributions here include

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studies about universal
quantifiers, prepositional
phrases, relative clauses,
argument structure, personal
pronouns, modal particles,
anaphoras, relative clauses, long
distance extractions, light verbs,

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small clauses, inflectional morphology, focus particles, prosody, acoustics, and phonotactics.

It is a great privilege and pleasure to write a foreword for a book honoring Wolfgang Gaul

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on the occasion of his sixtieth birthday. Wolfgang Gaul is currently Professor of Business Administration and Management Science and the Head of the Institute of Decision Theory and Management

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Science, Faculty of Economics,
University of Karlsruhe (TH),
Germany. He is, by any measure,
one of the most distinguished
and eminent scholars in the
world today. Wolfgang Gaul has
been instrumental in numerous

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leading research initiatives and has achieved an unprecedented level of success in facilitating communication among researchers in diverse disciplines from around the world. A particularly remarkable

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and unique aspect of his work is that he has been a leading scholar in such diverse areas of research as graph theory and net work models, reliability theory, stochastic optimization, operations research, probability

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theory, sampling theory, cluster analysis, scaling and multivariate data analysis. His activities have been directed not only at these and other theoretical topics, but also at applications of statistical and

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mathematical tools to a multitude of important problems in computer science (e.g., w- mining), business research (e.g., market segmentation), management science (e.g., decision support

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systems) and behavioral sciences (e.g., preference measurement and data mining). All of his endeavors have been accomplished at the highest level of professional excellence. This book constitutes the

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refereed proceedings of the 20th International Conference on Theory and Applications of Satisfiability Testing, SAT 2017, held in Melbourne, Australia, in August/September 2017. The 22 revised full papers, 5 short

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papers, and 3 tool papers were carefully reviewed and selected from 64 submissions. The papers are organized in the following topical sections: algorithms, complexity, and lower bounds; clause learning

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and symmetry handling;
maximum satisfiability and
minimal correction sets; parallel
SAT solving; quantified Boolean
formulas; satisfiability modulo
theories; and SAT encodings.
Official Gazette of the United

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States Patent and Trademark
Office

Language Processing and
Disorders

9th International Conference,
HAIS 2014, Salamanca, Spain,
June 11-13, 2014, Proceedings

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On the Move to Meaningful
Internet Systems 2006: OTM
2006 Workshops
10th European Conference on
Computer Vision, Marseille,
France, October 12-18, 2008,
Proceedings

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Principles and Practice of
Constraint Programming
*Recent developments in
reliability engineering has
become the most challenging
and demanding area of
research. Modeling and*

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Simulation, along with System Reliability Engineering has become a greater issue because of high-tech industrial processes, using more complex systems today. This book gives the latest

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research advances in the field of modeling and simulation, based on analysis in engineering sciences. Features Focuses on the latest research in modeling and simulation based analysis in

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*reliability engineering.
Covers performance
evaluation of complex
engineering systems
Identifies and fills the
gaps of knowledge pertaining
to engineering applications
Provides insights on an*

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*international and
transnational scale Modeling
and Simulation Based
Analysis in Reliability
Engineering aims at
providing a reference for
applications of mathematics
in engineering, offering a*

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theoretical sound background with adequate case studies, and will be of interest to researchers, practitioners, and academics.

Nowadays, graph theory is an important analysis tool in mathematics and computer

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science. Because of the inherent simplicity of graph theory, it can be used to model many different physical and abstract systems such as transportation and communication networks,

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*models for business
administration, political
science, and psychology and
so on. The purpose of this
book is not only to present
the latest state and
development tendencies of
graph theory, but to bring*

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the reader far enough along the way to enable him to embark on the research problems of his own. Taking into account the large amount of knowledge about graph theory and practice presented in the book, it

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*has two major parts:
theoretical researches and
applications. The book is
also intended for both
graduate and postgraduate
students in fields such as
mathematics, computer
science, system sciences,*

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biology, engineering, cybernetics, and social sciences, and as a reference for software professionals and practitioners.

High voltage engineering is extremely important for the reliable design, safe

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manufacture and operation of electric devices, equipment and electric power systems. The 21st International Symposium on High Voltage Engineering, organized by the 90 years old Budapest School of High Voltage

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Engineering, provides an excellent forum to present results, advances and discussions among engineers, researchers and scientists, and share ideas, knowledge and expertise on high voltage engineering. The

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*proceedings of the
conference presents the
state of the art technology
of the field. The content is
simultaneously aiming to
help practicing engineers to
be able to implement based
on the papers and*

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researchers to link and further develop ideas. Management of logistics distribution networks is a challenging task. Decision-makers rely on logistics assistance systems that recommend actions to

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optimise the networks. These systems can be based on simheuristics to benefit from metaheuristics in exploring possible solutions and on simulation for modelling the networks. This book presents three

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approaches to recommend promising solutions to optimise the networks with fewer simulation runs. The first approach utilises information from the network to guide the search of metaheuristics. In this

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approach, domain-specific information is defined and assigned to actions. The metaheuristic algorithm utilises this domain-specific information to find more-promising solutions. The second approach is

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reducing the number of possible solutions by grouping actions with respect to their domain-specific attributes. Here, the smaller solution space decreases the number of required simulation runs.

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The last approach looks for equivalent solutions that cause the same changes in the network. This approach aims to skip unnecessary evaluations and, thus, simulation effort.

Handbook of Research on

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*Recent Perspectives on
Management, International
Trade, and Logistics
Data Analysis and Decision
Support
Modeling and Simulation
Based Analysis in
Reliability Engineering*

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*New Frontiers in Graph
Theory*

*Second European Semantic Web
Conference, ESWC 2005,
Heraklion, Crete, Greece,
May 29--June 1, 2005,
Proceedings*

INTELLIGENT AND FUZZY

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TECHNIQUES FOR EMERGING CONDITIONS AND DIGITAL

This volume is a collection of the most important contributions presented at the second MFDBS conference held in Visegrád, Hungary, June 26-30, 1989. The papers selected from more than one hundred submissions, originating from 23

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countries in 4 continents, can be roughly divided into the following sections: theoretical fundamentals of relational databases, logical foundations and databases, data modelling, database design, deductive databases, transaction management and security, concurrency control and distributed databases. The

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volume reflects the current state of knowledge and is a guide to further development in database theory.

The concepts of statistical physics and big data play an important role in the evidence-based analysis and interpretation of macroeconomic principles. The techniques of complex networks, big data, and statistical

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physics are useful to understand theories of economic systems, and the authors have applied these to understand the intricacies of complex macroeconomic problems. Recent research work using tools and techniques of big data, statistical physics, complex networks, and statistical science is covered, and basic graph algorithms and statistical

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measures of complex networks are described. The application of big data and statistical physics tools to assess price dynamics, inflation, systemic risks, and productivity is discussed. Chapter-end summary and numerical problems are provided to reinforce understanding of concepts.

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Artificial Intelligence continues to be one of the most exciting and fast-developing fields of computer science. This book presents the 177 long papers and 123 short papers accepted for ECAI 2016, the latest edition of the biennial European Conference on Artificial Intelligence, Europe ' s premier venue for presenting scientific results in AI.

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The conference was held in The Hague, the Netherlands, from August 29 to September 2, 2016. ECAI 2016 also incorporated the conference on Prestigious Applications of Intelligent Systems (PAIS) 2016, and the Starting AI Researcher Symposium (STAIRS). The papers from PAIS are included in this volume; the papers from

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STAIRS are published in a separate volume in the Frontiers in Artificial Intelligence and Applications (FAIA) series. Organized by the European Association for Artificial Intelligence (EurAI) and the Benelux Association for Artificial Intelligence (BNVKI), the ECAI conference provides an opportunity for researchers to present and

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hear about the very best research in contemporary AI. This proceedings will be of interest to all those seeking an overview of the very latest innovations and developments in this field.

"The IMO Compendium" is the ultimate collection of challenging high-school-level mathematics problems and is an invaluable

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resource not only for high-school students preparing for mathematics competitions, but for anyone who loves and appreciates mathematics. The International Mathematical Olympiad (IMO), nearing its 50th anniversary, has become the most popular and prestigious competition for high-school students interested in

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mathematics. Only six students from each participating country are given the honor of participating in this competition every year. The IMO represents not only a great opportunity to tackle interesting and challenging mathematics problems, it also offers a way for high school students to measure up with students from the rest of

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the world. Until the first edition of this book appearing in 2006, it has been almost impossible to obtain a complete collection of the problems proposed at the IMO in book form. "The IMO Compendium" is the result of a collaboration between four former IMO participants from Yugoslavia, now Serbia and Montenegro, to rescue these

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problems from old and scattered manuscripts, and produce the ultimate source of IMO practice problems. This book attempts to gather all the problems and solutions appearing on the IMO through 2009. This second edition contains 143 new problems, picking up where the 1959-2004 edition has left off.

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Advanced Data Mining and Applications
Volume 2
Macro-Econophysics
4th International Joint Conference, APWeb-
WAIM 2020, Tianjin, China, September
18-20, 2020, Proceedings, Part II
Patents
Hybrid Artificial Intelligence Systems

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This volume constitutes the proceedings of the 9th International Conference on Hybrid Artificial Intelligent Systems, HAIS 2014, held in Salamanca, Spain, in June 2014. The 61 papers published in this volume were carefully reviewed and

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selected from 199 submissions. They are organized in topical sessions on HAIS applications; data mining and knowledge discovery; video and image analysis; bio-inspired models and evolutionary computation; learning algorithms; hybrid intelligent

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systems for data mining and applications and classification and cluster analysis.

The likelihood of observing Condorcet's Paradox is known to be very low for elections with a small number of candidates if voters'

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preferences on candidates reflect any significant degree of a number of different measures of mutual coherence. This reinforces the intuitive notion that strange election outcomes should become less likely as voters' preferences become more

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mutually coherent. Similar analysis is used here to indicate that this notion is valid for most, but not all, other voting paradoxes. This study also focuses on the Condorcet Criterion, which states that the pairwise majority rule winner should be

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chosen as the election winner, if one exists. Representations for the Condorcet Efficiency of the most common voting rules are obtained here as a function of various measures of the degree of mutual coherence of voters' preferences. An

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analysis of the Condorcet Efficiency representations that are obtained yields strong support for using Borda Rule.

This book presents recent research in intelligent and fuzzy techniques.

Emerging conditions such as

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pandemic, wars, natural disasters and various high technologies force people for significant changes in business and social life. The adoption of digital technologies to transform services or businesses, through replacing non-digital or manual

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processes with digital processes or replacing older digital technology with newer digital technologies through intelligent systems is the main scope of this book. It focuses on revealing the reflection of digital transformation in our business and

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social life under emerging conditions through intelligent and fuzzy systems. The latest intelligent and fuzzy methods and techniques on digital transformation are introduced by theory and applications. The intended readers are intelligent and fuzzy

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systems researchers, lecturers, M.Sc. and Ph.D. students studying digital transformation. Usage of ordinary fuzzy sets and their extensions, heuristics and metaheuristics from optimization to machine learning, from quality management to risk

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management makes the book an excellent source for researchers. Amazingly, the complexities of voting theory can be explained and resolved with comfortable geometry. A geometry which unifies such seemingly disparate topics as

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manipulation, monotonicity, and even the apportionment issues of the US Supreme Court. Although directed mainly toward students and others wishing to learn about voting, experts will discover here many previously unpublished results. As an example, a

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new profile decomposition quickly resolves the age-old controversies of Condorcet and Borda, demonstrates that the rankings of pairwise and other methods differ because they rely on different information, casts serious doubt on the reliability of a

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Condorcet winner as a standard for the field, makes the famous Arrow's Theorem predictable, and simplifies the construction of examples.

ECAI 2016

*Handbook of Seismic Risk Analysis
and Management of Civil*

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*Infrastructure Systems
Proceedings of the 21st International
Symposium on High Voltage
Engineering
10th International Conference,
RSFDGrC 2005, Regina, Canada,
August 31 - September 2, 2005,
Page 123/175*

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Proceedings

*The Semantic Web: Research and
Applications*

*Theory and Applications of
Satisfiability Testing – SAT 2017
International Academic
Conference on Teaching,*

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*Learning and E-learning and
International Academic
Conference on Management,
Economics and Marketing and
International Academic
Conference on Transport,
Logistics, Tourism and Sport*

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*Science Budapest, Hungary
2019 (IAC-TLEI + IAC-MEM +
IAC-TLTS), March 15 - 16, 2019
In this era of globalization,
entrepreneurship and its
implications on international
trade and supply chain*

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management are becoming more critical. In today's change-oriented and complex business environment, both entrepreneurs and managers need to keep up with the latest developments around them.

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With the help of globalization, it is getting more attractive for entrepreneurs to generate innovative ideas to run business both nationally and internationally. Competitive advantages and the key for

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*sustainable growth for globally
founded institutions lies behind
effective supply chain
management originating from
a single idea about establishing
a company and the process to
the end goal of reaching*

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consumers. This focus on entrepreneurship, business, and supply chain comes at a time when rapid technological advances are continually being made. The Handbook of Research on Recent

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Perspectives on Management, International Trade, and Logistics reveals the latest data based on research on the issues of entrepreneurship, innovation, contemporary management techniques, and

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global supply chain management. Chapters include topics such as the effective management of the supply chain, supply chain modeling, e-business solutions, digitalizing the supply chain process, e-

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business applications, and more. This book is ideal for managers, executives, supply chain specialists, entrepreneurs, business professionals, researchers, academicians, and students

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*interested in the latest findings
in international trade,
management, logistics, and
business.*

*The four-volume set
comprising LNCS volumes
5302/5303/5304/5305*

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constitutes the refereed proceedings of the 10th European Conference on Computer Vision, ECCV 2008, held in Marseille, France, in October 2008. The 243 revised papers presented were

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carefully reviewed and selected from a total of 871 papers submitted. The four books cover the entire range of current issues in computer vision. The papers are organized in topical sections on

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recognition, stereo, people and face recognition, object tracking, matching, learning and features, MRFs, segmentation, computational photography and active reconstruction.

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This book constitutes the refereed proceedings of the Second European Semantic Web Conference, ESWC 2005, held in Heraklion, Crete, Greece in May/June 2005. The 48 revised full papers presented

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were carefully reviewed and selected from 148 submissions. The papers are organized in topical sections on semantic Web services, languages, ontologies, reasoning and querying, search and

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information retrieval, user and communities, natural language for the semantic Web, annotation tools, and semantic Web applications.

Held at the Statistical Laboratory, University of

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*California, June 21-July 18,
1965 and December 27,
1965-January 7, 1966
First International Conference,
ADMA 2005, Wuhan, China,
July 22-24, 2005, Proceedings
Trends in Mathematics and*

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*Computational Intelligence
22nd European Conference on
Artificial Intelligence, 29
August - 2 September 2016,
The Hague, The Netherlands -
Including Prestigious
Applications of Artificial*

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*Intelligence (PAIS 2016)
Education Management and
Management Science
The Condorcet Efficiency of
Voting Rules*

*This two-volume set, LNCS 11317
and 12318, constitutes the*

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thoroughly refereed proceedings of the 4th International Joint Conference, APWeb-WAIM 2020, held in Tianjin, China, in September 2020. Due to the COVID-19 pandemic the conference was organized as a fully online

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conference. The 42 full papers presented together with 17 short papers, and 6 demonstration papers were carefully reviewed and selected from 180 submissions. The papers are organized around the following topics: Big Data

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*Analytics; Graph Data and Social
Networks; Knowledge Graph;
Recommender Systems; Information
Extraction and Retrieval; Machine
Learning; Blockchain; Data
Mining; Text Analysis and Mining;
Spatial, Temporal and Multimedia*

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*Databases; Database Systems; and
Demo.*

*This book is a collection of notes
exploring multiplanes and
multispheres using Grassmann
algebra with Mathematica. A
multiplane is an m -dimensional*

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generalization of the notions of point, line, plane and hyperplane. A multisphere is an m -dimensional generalization of the notions of point-pair, circle, sphere and hypersphere. Grassmann algebra is a generalization of the notions of

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scalars, vectors and vector spaces. Mathematica is a system for doing mathematics on a computer. Grassmann algebra has now emerged as one of the more important tools for exploring multidimensional geometry and

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mathematical physics. It not only generalizes the classic vector algebra to enable construction of (unlocated) bivectors, trivectors and multivectors, it is also an algebra par excellence for working with located entities such as points, lines,

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planes and multiplanes. But multiplanes are not alone in their space. To every multiplane corresponds a docked multisphere and vice versa. (A docked multisphere passes through the origin.) Corresponding points on a

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multiplane-multisphere pair are inverses. And because we can easily dock a multisphere by adding a displacement vector to its points, we can work with multispheres by operating on their corresponding multiplanes. For example: we can

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*intersect two multispheres, or a
multisphere and a multiplane;
construct the best-fit multisphere to
a system of points; compute the
complex of circles for a Clifford
circle theorem, or generate the in-
multisphere of a simplex.*

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Earthquakes represent a major risk to buildings, bridges and other civil infrastructure systems, causing catastrophic loss to modern society. Handbook of seismic risk analysis and management of civil infrastructure systems reviews the

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state of the art in the seismic risk analysis and management of civil infrastructure systems. Part one reviews research in the quantification of uncertainties in ground motion and seismic hazard assessment. Part two discusses

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methodologies in seismic risk analysis and management, whilst parts three and four cover the application of seismic risk assessment to buildings, bridges, pipelines and other civil infrastructure systems. Part five also

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discusses methods for quantifying dependency between different infrastructure systems. The final part of the book considers ways of assessing financial and other losses from earthquake damage as well as setting insurance rates. Handbook

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of seismic risk analysis and management of civil infrastructure systems is an invaluable guide for professionals requiring understanding of the impact of earthquakes on buildings and lifelines, and the seismic risk

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assessment and management of buildings, bridges and transportation. It also provides a comprehensive overview of seismic risk analysis for researchers and engineers within these fields. This important handbook reviews the

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wealth of recent research in the area of seismic hazard analysis in modern earthquake design code provisions and practices Examines research into the analysis of ground motion and seismic hazard assessment, seismic risk hazard

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*methodologies Addresses the
assessment of seismic risks to
buildings, bridges, water supply
systems and other aspects of civil
infrastructure*

*This two-volume set LNCS
4277/4278 constitutes the refereed*

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proceedings of 14 international workshops held as part of OTM 2006 in Montpellier, France in October/November 2006. The 191 revised full papers presented were carefully reviewed and selected from a total of 493 submissions to the

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workshops. The first volume begins with 26 additional revised short or poster papers of the OTM 2006 main conferences.

*2nd Symposium on Mathematical
Fundamentals of Database Systems,
Visegrad, Hungary, June 26-30,*

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1989. Proceedings

System Analysis and Modeling:

Models and Reusability

Web and Big Data

MFDBS 89

Rough Sets, Fuzzy Sets, Data

Mining, and Granular Computing

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*Proceedings of IAC 2019 in
Budapest*

*This book constitutes the refereed
papers of the proceedings of the 8th
International Conference on System
Analysis and Modeling, SAM 2014,
held in Valencia, Spain, in September*

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2014. The 18 full papers and the 3 short papers presented together with 2 keynotes were carefully reviewed and selected from 71 submissions. The contributions are organized in topical sections named: reuse; availability, safety and optimization; sequences

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and interactions; testing; metrics, constraints and repositories; and SDL and V&V.

This book provides an authoritative overview of the global development of surgical paediatrics. Biographical accounts of key people who developed

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this relatively new specialty, many of whom are now household names, are presented. The compendium also acknowledges the enormous contribution of imaging (ultrasound/MRI and PET scans), minimal invasive surgery, and fetal

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surgery, as well as the role of related journals and associations, in the progress of surgical paediatrics. Many of the contributors have been instrumental to the development of surgical paediatrics in their respective countries, and have considerable

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worldwide influence on the management of children requiring surgical care. Through their valuable insight and first-hand experience, this book not only shines a light on the past achievements of previous generations of paediatric surgeons,

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but also serves as a model to encourage future generations to do likewise.

"Decision Systems and Non-stochastic Randomness" presents the first mathematical formalization of the statistical regularities of non-

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stochastic randomness and demonstrates how these regularities extend the standard probability-based model of decision making under uncertainty, allowing for the description of uncertain mass events that do not fit standard stochastic

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models. The formalism of statistical regularities developed in this book will have a significant influence on decision theory and information theory as well as numerous other disciplines.

Computer Vision - ECCV 2008

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*Thirty Essays on Geometric Graph
Theory*

*8th International Conference, SAM
2014, Valencia, Spain, September
29-30, 2014. Proceedings*

Basic Geometry of Voting

Advanced Engineering Mathematics

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*14th International Conference, CP
2008, Sydney, Australia, September
14-18, 2008, Proceedings*