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9691 November  
2013 Paper 2  
**Computing  
9691  
November  
2013 Paper 2**

*A comprehensive  
overview of the  
latest  
developments in  
world trade,  
covering the  
details of*

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*merchandise  
trade by product  
and trade in  
commercial  
services*

*This book  
constitutes the  
post-conference  
proceedings of  
the 4th*

*International  
Conference on  
Advances in  
Computing and*

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9691 November  
2012 Paper 2  
*Data Sciences,  
ICACDS 2020,  
held in  
Valletta, Malta,  
in April 2020.\*  
The 46 full  
papers were  
carefully  
reviewed and  
selected from  
354 submissions.  
The papers are  
centered around  
topics like*

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*advanced*

*computing, data*

*sciences,*

*distributed*

*systems*

*organizing*

*principles,*

*development*

*frameworks and*

*environments,*

*software*

*verification and*

*validation,*

*computational*

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*complexity and  
cryptography,  
machine learning  
theory, database  
theory,  
probabilistic  
representations.*

*\* The conference  
was held  
virtually due to  
the COVID-19  
pandemic.*

*Markov Chains  
are widely used*

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*as stochastic models to study a broad spectrum of system performance and dependability characteristics. This monograph is devoted to compositional specification and analysis of Markov chains. Based on*

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2013 Paper 2

*principles known  
from process  
algebra, the  
author  
systematically  
develops an  
algebra of  
interactive  
Markov chains.  
By presenting a  
number of  
distinguishing  
results, of both  
theoretical and*

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2013 Paper 2

*practical  
nature, the  
author  
substantiates  
the claim that  
interactive  
Markov chains  
are more than  
just another  
formalism: Among  
other, an  
algebraic theory  
of interactive  
Markov chains is*



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*developed,  
devise  
algorithms to  
mechanize  
compositional  
aggregation are  
presented, and  
state spaces of  
several million  
states resulting  
from the study  
of an ordinary  
telephone system  
are analyzed.*

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*In presidential elections, do voters cast their ballots for the candidates whose platform and positions best match their own? Or is the race for president of the United States come down largely to who*

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2013 Paper 2

*runs the most effective campaign? It's a question those who study elections have been considering for years with no clear resolution. In The Timeline of Presidential Elections, Robert S.*

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2013 Paper 2

*Erikson and  
Christopher  
Wlezien reveal  
for the first  
time how both  
factors come  
into play.*

*Erikson and  
Wlezien have  
amassed data  
from close to  
two thousand  
national polls  
covering every*

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2013 Paper 2

*presidential election from 1952 to 2008, allowing them to see how outcomes take shape over the course of an election year. Polls from the beginning of the year, they show, have virtually no predictive power. By mid-*

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2013 Paper 2

*April, when the candidates have been identified and matched in pollsters' trial heats, preferences have come into focus—and predicted the winner in eleven of the fifteen elections. But a similar process*

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*of forming  
favorites takes  
place in the  
last six months,  
during which  
voters'  
intentions  
change only  
gradually, with  
particular  
events—including  
presidential  
debates—rarely  
resulting in*

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9691 November

*dramatic change.*

*Ultimately,*

*Erikson and  
Wlezien show*

*that it is  
through*

*campaigns that  
voters are made  
aware of—or not  
made aware*

*of—fundamental  
factors like  
candidates'*

*policy positions*



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that determine  
which ticket  
will get their  
votes. In other  
words,  
fundamentals  
matter, but only  
because of  
campaigns.  
Timely and  
compelling, this  
book will force  
us to rethink  
our assumptions

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9691 November

*about*

*presidential*

*elections.*

*Cambridge*

*International AS*

*and A Level*

*Computing*

*Revision Guide*

*Current*

*Industrial*

*Reports*

*Implementation*

*and Application*

*of Automata*

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*Gramophone,  
Film, Typewriter  
Multiple View  
Geometry in  
Computer Vision  
Cambridge  
International AS  
and A Level  
Computer Science  
Revision Guide  
CD-ROM contains  
cross-referenced  
code.*

*A basic problem in*

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*computer vision is to  
understand the*

*structure of a real  
world scene given  
several images of it.*

*Techniques for solving  
this problem are taken  
from projective  
geometry and  
photogrammetry.*

*Here, the authors  
cover the geometric  
principles and their  
algebraic*

*representation in terms of camera projection matrices, the fundamental matrix and the trifocal tensor. The theory and methods of computation of these entities are discussed with real examples, as is their use in the reconstruction of scenes from multiple images. The new*

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*edition features an extended introduction covering the key ideas in the book (which itself has been updated with additional examples and appendices) and significant new results which have appeared since the first edition. Comprehensive background material is provided, so*

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2013 Paper 2  
*readers familiar with  
linear algebra and*

*basic numerical  
methods can*

*understand the  
projective geometry  
and estimation*

*algorithms presented,  
and implement the  
algorithms directly  
from the book.*

*John G. Cragg and  
Burton G. Malkiel  
collected detailed*

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*forecasts of professional investors concerning the growth of 175 companies and use this information to examine the impact of such forecasts on the market evaluations of the companies and to test and extend traditional models of how stock market values are determined.*



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*Vladimir Ilich Lenin (1870-1924) led the first successful revolt against market-based liberal democracy and founded the Soviet state in 1917, serving as the new nation's chief architect and sole ruler for the next five years. He created an innovative political, economic, social, and cultural system that in*

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*its heyday would challenge the military, technological, and cultural might of the United States. This collection of primary sources allows readers to learn about Lenin through his own words and explores the complicated relationship between Lenin's actions and his ideology. Jeffrey*

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*Brooks and Georgiy Chernyavskiy have translated newly available documents that make it possible to provide a more accurate portrait of this ruthless strategist. Document headnotes, a chronology, questions for consideration, and a selected bibliography offer additional*

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*pedagogical support  
and encourage  
students to analyze  
the actions and beliefs  
of a man who  
transformed world  
history and whose  
legacy continues to  
affect social and  
political movements  
throughout the world.*

*4th International  
Conference, ICACDS  
2020, Valletta, Malta,*

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2012 Paper 2  
*April 24–25, 2020,  
Revised Selected*

*Papers*

*Can precision  
medicine be personal;  
can personalized  
medicine be?*

*Preparation,  
Submission, and  
Execution of the  
Budget*

*A decade of market  
manipulation,  
regulatory failures and*

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2013 Paper 2

*regulatory reforms*

*'a' Level Computing*

*(5th Edition)*

*Transportation Energy*

*Data Book*

***A comprehensive***

***introduction to***

***the foundations***

***of model***

***checking, a***

***fully automated***

***technique for***

***finding flaws in***

***hardware and***

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2013 Paper 2

*software; with  
extensive  
examples and  
both practical  
and theoretical  
exercises. Our  
growing  
dependence on  
increasingly  
complex computer  
and software  
systems  
necessitates the  
development of*

*formalisms,  
techniques, and  
tools for  
assessing  
functional  
properties of  
these systems.  
One such  
technique that  
has emerged in  
the last twenty  
years is model  
checking, which  
systematically*



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(and  
2013 Paper 2)  
automatically)

*checks whether a  
model of a given  
system satisfies  
a desired  
property such as  
deadlock  
freedom,  
invariants, and  
request-response  
properties. This  
automated  
technique for*

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*verification and  
debugging has  
developed into a  
mature and  
widely used  
approach with  
many  
applications.  
Principles of  
Model Checking  
offers a  
comprehensive  
introduction to  
model checking*

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2013 Paper 2  
that is not only  
a text suitable  
for classroom  
use but also a  
valuable  
reference for  
researchers and  
practitioners in  
the field. The  
book begins with  
the basic  
principles for  
modeling  
concurrent and

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2012 Paper 2

*communicating  
systems,  
introduces  
different  
classes of  
properties  
(including  
safety and  
liveness),  
presents the  
notion of  
fairness, and  
provides  
automata-based*

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2013 Paper 2

*algorithms for  
these  
properties. It  
introduces the  
temporal logics  
LTL and CTL,  
compares them,  
and covers  
algorithms for  
verifying these  
logics,  
discussing real-  
time systems as  
well as systems*

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PDF Computing  
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2013 Paper 2

*subject to  
random*

*phenomena.*

*Separate  
chapters treat  
such efficiency-  
improving  
techniques as  
abstraction and  
symbolic  
manipulation.*

*The book  
includes an  
extensive set of*

*examples (most of which run through several chapters) and a complete set of basic results accompanied by detailed proofs. Each chapter concludes with a summary, bibliographic notes, and an extensive list*

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*of exercises of  
both practical  
and theoretical  
nature.*

*A synthesis of  
classic and  
modern  
neurobehavioral  
literature  
dealing with the  
principles by  
which complex,  
purposive, and  
intelligent*



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behavior is  
2013 Paper 2  
generated, this  
book features: \*  
papers by C.S.  
Sherrington, E.  
von Holst, D.M.  
Wilson, G.  
Fraenkel, H.  
Mittelstaedt,  
and P. Weiss \*  
clear  
descriptions of  
three types of  
elementary units

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*of behavior --  
the reflex, the  
oscillator, and  
the  
servomechanism \*  
a review of the  
diverse  
manifestations  
of hierarchical  
structure in the  
neural  
mechanisms  
underlying  
coordinated*

*action. This volume has proven to be of great value to psychologists, neurobiologists, and philosophers interested in the problem of action and how it may be approached in light of modern neurobehavioral*

*research. It has  
been designed  
for use as a  
supplemental  
text in courses  
in physiological  
psychology,  
neurobiology and  
behavior, and  
those courses in  
cognitive and  
developmental  
psychology that  
place particular*

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2013 Paper 2

*emphasis on  
understanding  
how complex  
behavior  
patterns are  
implemented.  
As climate has  
warmed over  
recent years, a  
new pattern of  
more frequent  
and more intense  
weather events  
has unfolded*

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9691 November

*across the  
globe. Climate  
models simulate  
such changes in  
extreme events,  
and some of the  
reasons for the  
changes are well  
understood.*

*Warming  
increases the  
likelihood of  
extremely hot  
days and nights,*

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2013 Paper 2

*favors increased atmospheric moisture that may result in more frequent heavy rainfall and snowfall, and leads to evaporation that can exacerbate droughts. Even with evidence of these broad trends,*

*scientists cautioned in the past that individual weather events couldn't be attributed to climate change. Now, with advances in understanding the climate science behind extreme events*



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9691 November

*and the science  
of extreme event  
attribution,  
such blanket  
statements may  
not be accurate.  
The relatively  
young science of  
extreme event  
attribution  
seeks to tease  
out the  
influence of  
human-cause*

*climate change  
from other  
factors, such as  
natural sources  
of variability  
like El Niño,  
as contributors  
to individual  
extreme events.  
Event*

*attribution can  
answer questions  
about how much  
climate change*

*influenced the probability or intensity of a specific type of weather event.*

*As event attribution capabilities improve, they could help inform choices about assessing and managing risk, and in*

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2013 Paper 2

*guiding climate  
adaptation  
strategies. This  
report examines  
the current  
state of science  
of extreme  
weather  
attribution, and  
identifies ways  
to move the  
science forward  
to improve  
attribution*

*capabilities.*

*People have  
always sought  
medical care  
that is tailored  
to every  
individual  
patient.*

*Alongside with  
the historical  
development of  
institutions of  
care, the vision  
of personal and*

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9691 November  
2013 Paper 2

*'holistic' care  
persisted.*

*Patient-centred  
medicine,  
interpersonal  
communication  
and shared  
decision making  
have become  
central to  
medical practice  
and services.  
This evolving  
vision of*

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2013 Paper 2

*'personalized  
medicine' is in  
the forefront of  
medicine,  
creating debates  
among ethicists,  
philosophers and  
sociologists of  
medicine about  
the nature of  
disease and the  
definition of  
wellness, the  
impact on the*

*daily life of patients, as well as its implications on low-income countries. Is increased 'precision' also an improvement on the personal aspects of care or erosion of privacy? Do 'precise' and*



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2013 Paper 2

*'personalized'  
approach  
marginalize  
public health,  
and can this  
care be  
personalized  
without  
attention to  
culture, economy  
and society? The  
book provides a  
multidisciplinary  
and interdisci*

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*plinary*

*2013 Paper 2*  
*discussion of*

*the ethos and*

*ethics of precis*

*ion/personal*

*medicine,*

*involving*

*scientists who*

*have shaped the*

*field, in*

*dialogue with*

*ethicists,*

*social*

*scientists and*

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2013 Paper 2  
*philosophers of  
science. The*

*contributing  
scholars come  
from all over  
the world and  
from different  
cultural  
backgrounds  
providing  
reflective  
perspectives of  
history of  
ideas, critical*

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*theory and  
technology  
assessment,  
together with  
the actual work  
done by pioneers  
in the field. It  
explores issues  
such as global  
justice, gender,  
public health,  
pharmaceutical  
industry,  
international*

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9691 November

*law and  
religion, and  
explores themes  
discussed in  
relation to  
personalized  
medicine such as  
new-born  
screening and  
disorders of  
consciousness.  
This book will  
be of interest  
to academicians*

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2013 Paper 2

*in bioethics,  
history of  
medicine, social  
sciences of  
medicine as well  
as general  
educated  
readers.*

*Climatological*

*Data*

*11th*

*International*

*Computer Science*

*Symposium in*

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*Russia, CSR  
2016, St.*

*Petersburg,  
Russia, June  
9-13, 2016,  
Proceedings  
Observing the  
Volcano World  
Volcano Crisis  
Communication  
The Organization  
of Action  
Magic Beach*

**The Strategic**

*Page 63/142*

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**Trade Review  
is a peer  
reviewed  
journal  
dedicated to  
strategic  
trade, export  
controls, and  
sanctions. The  
sixth Spring/S  
ummer 2018  
issue features**



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**articles on  
emerging  
technologies  
and export  
controls, crypt  
osanctions,  
export control  
practices in  
advanced  
countries,  
proliferation  
finance,**

*Page 65/142*

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**defense  
exports, and c  
apacity-  
building. It  
also includes a  
"Practitioners  
Perspectives"  
section. The  
Strategic  
Trade Review  
publishes  
articles from a**

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**global  
authorship.  
The Review is  
an essential  
resource for  
researchers,  
practitioners,  
students,  
policy-makers,  
and other  
stakeholders  
involved in**

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**trade and  
security.**

**Theory of  
Linear and  
Integer  
Programming  
Alexander  
Schrijver  
Centrum voor  
Wiskunde en  
Informatica,  
Amsterdam,**

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**The  
Netherlands**

**This book  
describes the  
theory of  
linear and  
integer  
programming  
and surveys  
the algorithms  
for linear and  
integer**

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2013 Paper 2

**programming  
problems,  
focusing on  
complexity  
analysis. It  
aims at compl  
ementing the  
more  
practically  
oriented books  
in this field. A  
special feature**

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**is the author's  
coverage of  
important  
recent  
developments  
in linear and  
integer  
programming.  
Applications to  
combinatorial  
optimization  
are given, and**

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**the author  
also includes  
extensive  
historical  
surveys and  
bibliographies.  
The book is  
intended for  
graduate  
students and  
researchers in  
operations**



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**research,  
mathematics  
and computer  
science. It will  
also be of  
interest to  
mathematical  
historians.**

**Contents 1  
Introduction  
and  
preliminaries;**

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**2 Problems,  
algorithms,  
and  
complexity; 3  
Linear algebra  
and  
complexity; 4  
Theory of  
lattices and  
linear  
diophantine  
equations; 5**

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**Algorithms for  
linear  
diophantine  
equations; 6  
Diophantine  
approximation  
and basis  
reduction; 7  
Fundamental  
concepts and  
results on  
polyhedra,**

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**linear  
inequalities,  
and linear  
programming;  
8 The  
structure of  
polyhedra; 9  
Polarity, and  
blocking and  
anti-blocking  
polyhedra; 10  
Sizes and the**

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**theoretical  
complexity of  
linear  
inequalities  
and linear  
programming;  
11 The  
simplex  
method; 12  
Primal-dual,  
elimination,  
and relaxation**

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**methods; 13  
Khachiyan's  
method for  
linear  
programming;  
14 The  
ellipsoid  
method for  
polyhedra  
more  
generally; 15  
Further**

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**polynomiality  
results in**

**linear**

**programming;**

**16**

**Introduction to**

**integer linear**

**programming;**

**17 Estimates**

**in integer**

**linear**

**programming;**

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**18 The complexity of integer linear programming;**  
**19 Totally unimodular matrices: fundamental properties and examples;**  
**20 Recognizing total**



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**unimodularity;  
21 Further  
theory related  
to total  
unimodularity;  
22 Integral  
polyhedra and  
total dual  
integrality; 23  
Cutting  
planes; 24  
Further**

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**methods in  
integer linear  
programming;  
Historical and  
further notes  
on integer  
linear  
programming;  
References;  
Notation  
index; Author  
index; Subject**

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**index**

**Presents**

**current**

**statistical data**

**on economic**

**activity.**

**This standard**

**textbook has**

**been compreh**

**ensively**

**revised by**

**experienced**

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**teacher and  
examiner**

**Sylvia**

**Langfield.**

**Arranged in  
five modules  
corresponding  
to the AQA  
specification,  
there are  
exercises and  
past exam**

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**questions at  
the end of  
each chapter.**

**A New  
Synthesis  
A Brief History  
with  
Documents  
Interactive  
Markov Chains  
ICSOC 2012,  
International**

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**Workshops  
ASC, DISA,  
PAASC, SCEB,  
SeMaPS, and  
WESOA, and  
Satellite  
Events,  
Shanghai,  
China,  
November  
12-15, 2012,  
Revised**

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**Selected  
Papers  
Object-Based  
Image  
Analysis  
The Open  
Source  
Perspective**

Collection of the  
monthly climatological  
reports of the United  
States by state or

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region, with monthly  
and annual national  
summaries.

Provides guidance on  
tackling the different  
types of examination  
questions.

This book gathers  
outstanding research  
papers presented at  
the International Joint  
Conference on  
Advances in  
Computational



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Intelligence (IJCACI  
2020), organized by  
Daffodil International  
University (DIU) and  
Jahangirnagar  
University (JU) in  
Bangladesh and  
South Asian  
University (SAU) in  
India. These  
proceedings present  
novel contributions in  
the areas of  
computational

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intelligence and offer valuable reference material for advanced research. The topics covered include collective intelligence, soft computing, optimization, cloud computing, machine learning, intelligent software, robotics, data science, data security, big data analytics, and signal

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and natural language  
processing.

Includes index

Service-Oriented  
Computing - ICSSOC  
Workshops 2012

Attribution of Extreme  
Weather Events in the  
Context of Climate  
Change

The Timeline of  
Presidential Elections  
Circular No. A-11

Learning to Program

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in Pascal and Delphi  
Proceedings of  
International Joint  
Conference on  
Advances in  
Computational  
Intelligence

This book provides a compelling account of the rigging of benchmarks during and after the financial crisis of 2007–08.

Written in clear language accessible to the non-specialist, it provides the historical context necessary for understanding the benchmarks – LIBOR, FOREX and the Gold and Silver Fixes – and shows how and why they have to be reformed in the face of rapid technological

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changes in markets.

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Though banks have  
been fined and a few  
traders have been  
jailed, justice will not  
be done until senior  
bankers are made  
responsible for their  
actions. Provocative  
and rigorously argued,  
this book makes  
concrete  
recommendations for

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improving the security  
2013 Paper 2  
of the financial  
services industry and  
holding bankers to  
account.

This open access book  
provides a  
comprehensive  
overview of volcanic  
crisis research, the  
goal being to establish  
ways of successfully  
applying volcanology

in practice and to identify areas that need to be addressed for future progress. It shows how volcano crises are managed in practice, and helps to establish best practices.

Consequently the book brings together authors from all over the globe who work



with volcanoes,  
ranging from  
observatory  
volcanologists,  
disaster practitioners  
and government  
officials to NGO-  
based and government  
practitioners to  
address three key  
aspects of volcanic  
crises. First, the book  
explores the unique

nature of volcanic hazards, which makes them a particularly challenging threat to forecast and manage, due in part to their varying spatial and temporal characteristics.

Second, it presents lessons learned on how to best manage volcanic events based

on a number of crises that have shaped our understanding of volcanic hazards and crises management.

Third, it discusses the diverse and wide-ranging aspects of communication involved in crises, which merge old practices and new technologies to

accommodate an increasingly challenging and globalised world. The information and insights presented here are essential to tapping established knowledge, moving towards more robust volcanic crises management, and understanding how the

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volcanic world is  
perceived from a  
range of standpoints  
and contexts around  
the globe.

On history of  
communication

In her stunning 200th  
novel, #1 New York  
Times bestselling  
author Nora Roberts  
proves why no one is  
better “when it comes

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to flawlessly fusing  
high-stakes suspense  
with red-hot romance"  
(Booklist, starred  
review). Daughter of a  
cold, controlling  
mother and an  
anonymous donor,  
studious, obedient  
Elizabeth Fitch finally  
let loose one night,  
drinking too much at a  
nightclub and

allowing a strange  
man's seductive

Russian accent to lure  
her to a house on Lake  
Shore Drive. Twelve  
years later, the woman  
now known as Abigail  
Lowery lives alone on  
the outskirts of a small  
town in the Ozarks. A  
freelance security  
systems designer, her  
own protection is

supplemented by a fierce dog and an assortment of firearms. She keeps to herself, saying little, revealing nothing. Unfortunately, that seems to be the quickest way to get attention in a tiny southern town. The mystery of Abigail Lowery and her sharp



mind, secretive nature  
and unromantic

viewpoint intrigues

local police chief

Brooks Gleason, on

both a personal and

professional level.

And while he suspects

that Abigail needs

protection from

something, Gleason is

accustomed to two-bit

troublemakers, not the

powerful and dangerous men who are about to have him in their sights. And Abigail Lowery, who has built a life based on security and self-control, is at risk of losing both.

Tax Withholding and  
Estimated Tax  
Expectations and the  
Structure of Share

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Prices

World Trade

Statistical Review

2019

AS Level Computing

The Witness

IJCACI 2020

This book constitutes  
the refereed proceedings  
of the 21st

International Conference  
on Implementation and  
Application of

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Automata, CIAA  
2016, held in Seoul,  
South Korea, in July  
2016. The 26 revised  
full papers presented  
were carefully reviewed  
and selected from 49  
submissions. The papers  
cover a wide range of  
topics including  
characterizations of  
automata, computing  
distances between  
strings and languages,

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implementations  
of automata and  
experiments, enhanced  
regular expressions, and  
complexity analysis.

Two children find  
themselves in a story  
when they write words  
in the sand on the  
beach, and whatever  
they have written  
appears when the waves  
wash the words away.

By the author of Harold

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and the Purple Crayon.

This book brings together a collection of invited interdisciplinary perspectives on the recent topic of Object-based Image Analysis (OBIA). Its content is based on select papers from the 1 OBIA International Conference held in Salzburg in July 2006, and is enriched by

several invited chapters.

All submissions have passed through a blind peer-review process resulting in what we believe is a timely volume of the highest scientific, theoretical and technical standards.

The concept of OBIA first gained widespread interest within the GIScience (Geographic Information Science)

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community circa 2000, with the advent of the first commercial software for what was then termed ‘ object-oriented image analysis ’ . However, it is widely agreed that OBIA builds on older segmentation, edge-detection and classification concepts that have been used in remote sensing image



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analysis for several decades. Nevertheless, its emergence has provided a new critical bridge to spatial concepts applied in multiscale landscape analysis, Geographic Information Systems (GIS) and the synergy between image-objects and their radiometric characteristics and analyses in Earth Observation data (EO).

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Accuracy and Stability  
of Numerical

Algorithms gives a  
thorough, up-to-date  
treatment of the  
behavior of numerical  
algorithms in finite  
precision arithmetic. It  
combines algorithmic  
derivations,  
perturbation theory, and  
rounding error analysis,  
all enlivened by  
historical perspective

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and informative quotations. This second edition expands and updates the coverage of the first edition (1996) and includes numerous improvements to the original material. Two new chapters treat symmetric indefinite systems and skew-symmetric systems, and nonlinear systems and Newton's method.

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Twelve new sections include coverage of additional error bounds for Gaussian elimination, rank revealing LU factorizations, weighted and constrained least squares problems, and the fused multiply-add operation found on some modern computer architectures.

Accuracy and Stability

*Page 116/142*

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of Numerical  
Algorithms

Strategic Trade Review

Code Reading

Spatial Concepts for

Knowledge-Driven

Remote Sensing

Applications

Lenin and the Making  
of the Soviet State

Theory of Linear and  
Integer Programming

***This book***

***constitutes the***

*Page 117/142*

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*proceedings of the  
2013 Paper 2*

***11th International  
Computer Science  
Symposium in  
Russia, CSR 2016,  
held in St.***

***Petersburg, Russia,  
in June 2016. The  
28 full papers  
presented in this  
volume were  
carefully reviewed  
and selected from  
71 submissions. In***

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***addition the book contains 4 invited lectures. The scope of the proposed topics is quite broad and covers a wide range of areas such as: include, but are not limited to: algorithms and data structures; combinatorial optimization; constraint solving;***

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***computational  
complexity;  
cryptography;  
combinatorics in  
computer science;  
formal languages  
and automata;  
computational  
models and  
concepts;  
algorithms for  
concurrent and  
distributed  
systems, networks;***



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***proof theory and  
applications of  
logic to computer  
science; model  
checking;  
automated  
reasoning; and  
deductive methods.  
Cambridge  
International AS  
and A Level  
Computer Science  
Revision  
GuideCambridge***

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**University Press  
Written for the  
AS/A-Level  
Computing  
syllabus, this  
coursebook follows  
the bullet points of  
the syllabus  
chronologically.  
Bayesian statistics  
is a dynamic and  
fast-growing area  
of statistical  
research and the**

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**Valencia  
International  
Meetings provide  
the main forum for  
discussion. These  
resulting  
proceedings form  
an up-to-date  
collection of  
research.**

**Bayesian Statistics  
9**

**How Campaigns Do  
(and Do Not)**

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**Matter**

**Cambridge**

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**and A Level**

**Computing**

**Coursebook**

**Principles of Model**

**Checking**

**Manufacturers'**

**shipments,**

**inventories, and**

**orders. M3-1**

**The Quest for**

**Quantified Quality**

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Cambridge  
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*International AS and  
A Level Computer  
Science offers a  
complete set of  
resources to  
accompany the 9608  
syllabus. This  
revision guide helps  
students to prepare  
and practice skills  
for the Cambridge*

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*AS and A Level  
Computer Science  
examination. It  
contains clear  
explanations and key  
information to  
support learners,  
with additional  
practice questions to  
help students feel  
confident and  
reinforce their*

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*understanding of key  
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concepts.*

*This book constitutes  
the thoroughly  
refereed proceedings  
of the 2012 ICSOC  
Workshops  
consisting of 6  
scientific satellite  
events, organized in  
3 main tracks  
including workshop*

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*track (ASC, DISA,  
PAASC, SCEB,  
SeMaPS and  
WESOA 2012), PhD  
symposium track,  
demonstration track;  
held in conjunction  
with the 10th  
International  
Conference on  
Service-Oriented  
Computing*



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*(ICSOC), in  
Shanghai, China,  
November 2012. The  
53 revised papers  
presents a wide  
range of topics that  
fall into the general  
area of service  
computing such as  
business process  
management,  
distributed systems,*

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*computer networks,  
wireless and mobile  
computing, grid  
computing,  
networking, service  
science,  
management  
science, and  
software  
engineering.*

*The June 2019 OMB  
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*provides guidance  
on preparing the FY  
2021 Budget and  
instructions on  
budget execution.*

*Released in June  
2019, it's printed in  
two volumes. This is  
Volume I. Your  
budget submission to  
OMB should build  
on the President's*

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*commitment to  
advance the vision of  
a Federal  
Government that  
spends taxpayer  
dollars more  
efficiently and  
effectively and to  
provide necessary  
services in support  
of key National  
priorities while*

*reducing deficits.  
OMB looks forward  
to working closely  
with you in the  
coming months to  
develop a budget  
request that supports  
the President's  
vision. Most of the  
changes in this  
update are technical  
revisions and*

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clarifications, and  
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the policy

*requirements are  
largely unchanged.  
The summary of  
changes to the  
Circular highlights  
the changes made  
since last year. This  
Circular supersedes  
all previous  
versions. VOLUME I*

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*Part 1-General  
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2-Preparation and  
Submission of  
Budget Estimates  
Part 3-Selected  
Actions Following  
Transmittal of The  
Budget Part  
4-Instructions on  
Budget Execution  
VOLUME II Part*

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Performance  
Framework for  
Improving Program  
and Service Delivery  
Part 7-Appendices  
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good clean (legible)*

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it's the latest version  
(not always easy).*

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found on the web are  
missing some pages  
or the image quality  
is so poor, they are  
difficult to read. If  
you find a good*

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*copy, you could print*

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*it using a network*

*printer you share*

*with 100 other*

*people (typically its*

*either out of paper*

*or toner). If it's just*

*a 10-page document,*

*no problem, but if*

*it's 250-pages, you*

*will need to punch 3*

*holes in all those*

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3-ring binder. Takes  
at least an hour. It's  
much more cost-  
effective to just  
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paperback from  
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inches), with large  
text and glossy*

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*Applications*

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*account*

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