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Chapter 6 Spatial
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Engineering

Chapter 6

Spatial

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The anthrax
incidents
following the
9/11 terrorist
attacks put the

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spotlight on
the nation's
public health
agencies,
placing it
under an
unprecedented
scrutiny that
added new
dimensions to
the complex
issues
considered in

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this report.
The Future of
the Public's
Health in the
21st Century
reaffirms the
vision of
Healthy People
2010, and
outlines a
systems
approach to
assuring the

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nation's health
in practice,
research, and
policy. This
approach
focuses on
joining the
unique
resources and
perspectives of
diverse sectors
and entities
and challenges

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Engineering
these groups to
work in a

concerted,
strategic way
to promote and
protect the
public's
health.

Focusing on
diverse
partnerships as
the framework
for public

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health, the
book discusses:
The need for a
shift from an
individual to a
population-
based approach
in practice,
research,
policy, and
community
engagement. The
status of the

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governmental
public health
infrastructure
and what needs
to be improved,
including its
interface with
the health care
delivery
system. The
roles
nongovernment
actors, such as

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academia,
Engineering business, local
communities and
the media can
play in
creating a
healthy nation.
Providing an
accessible
analysis, this
book will be
important to
public health

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policy-makers
and
practitioners,
business and
community
leaders, health
advocates,
educators and
journalists.

The Second
Edition of the
bestselling
Measurement, In

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Engineering
strumentation,
and Sensors

Handbook brings
together all
aspects of the
design and
implementation
of measurement,
instrumentation
, and sensors.
Reflecting the
current state
of the art, it

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Chapter 6 Spatial
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Engineering

describes the
use of
instruments and
techniques for
performing
practical
measurements in
engineering,
physics,
chemistry, and
the life
sciences and
discusses

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processing
systems,
automatic data
acquisition,
reduction and
analysis,
operation chara
cteristics,
accuracy,
errors,
calibrations,
and the
incorporation

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of standards
for control
purposes.

Organized
according to
measurement
problem, the
Spatial,
Mechanical,
Thermal, and
Radiation
Measurement
volume of the

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Engineering

Second Edition:

Contains

contributions

from field

experts, new

chapters, and

updates to all

96 existing

chapters Covers

instrumentation

and measurement

concepts,

spatial and

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mechanical
Engineering
variables,

displacement,
acoustics, flow
and spot

velocity,
radiation,

wireless

sensors and ins
trumentation,

and control and
human factors A

concise and

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useful
reference for
engineers,
scientists,
academic
faculty,
students,
designers,
managers, and
industry
professionals
involved in
instrumentation

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and measurement
Engineering
research and

development,

Measurement, In

strumentation,

and Sensors

Handbook,

Second Edition:

Spatial,

Mechanical,

Thermal, and

Radiation

Measurement

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provides
readers with a
greater
understanding
of advanced
applications.
Climate change
poses many
challenges that
affect society
and the natural
world. With
these

challenges,
however, come
opportunities
to respond. By
taking steps to
adapt to and
mitigate
climate change,
the risks to
society and the
impacts of
continued
climate change

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can be
lessened. The
National
Climate
Assessment,
coordinated by
the U.S. Global
Change Research
Program, is a
mandated report
intended to
inform response
decisions.

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Required to be developed every four years, these reports provide the most comprehensive and up-to-date evaluation of climate change impacts available for the United

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States, making them a unique and important climate change document. The draft Fourth National Climate Assessment (NCA4) report reviewed here addresses a wide range of

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topics of high importance to the United States and society more broadly, extending from human health and community well-being, to the built environment, to businesses and

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economies, to
ecosystems and
natural
resources. This
report
evaluates the
draft NCA4 to
determine if it
meets the
requirements of
the federal
mandate,
whether it

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provides
accurate
information
grounded in the
scientific
literature, and
whether it
effectively
communicates
climate
science,
impacts, and
responses for

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general
Engineering
audiences

including the
public,
decision
makers, and
other
stakeholders.

Snakes
Igniting
Justice and
Progressive
Power

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Russia's Arctic
Engineering
Strategies and

the Future of
the Far North

Ecological

Inference

UNESCO Science

Report

Russian Émigrés

and the Quest

for Freedom,

1830s-1930s

Review of the

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Draft Fourth
National
Climate
Assessment
*Logistics
Transportation
Systems compiles
multiple topics on
transportation
logistics systems
from both
qualitative and*

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quantitative perspectives, providing detailed examples of real-world logistics workflows. It explores the key concepts and problem-solving techniques required by researchers and

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logistics professionals to effectively manage the continued expansion of logistics transportation systems, which is expected to reach an estimated 25 billion tons in the

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*United States
alone by 2045.*

*This book provides
an ample
understanding of
logistics
transportation
systems, including
basic concepts, in-
depth modeling
analysis, and
network analysis*

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for researchers and practitioners. In addition, it covers policy issues related to transportation logistics, such as security, rules and regulations, and emerging issues including reshoring. This

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*book is an ideal
guide for
academic
researchers and
both
undergraduate
and graduate
students in
transportation
modeling, supply
chains, planning,
and systems. It is*

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*also useful to
transportation
practitioners
involved in
planning,
feasibility studies,
consultation and
policy for
transportation
systems, logistics,
and infrastructure.
Provides real-*

File Type PDF

Chapter 6 Spatial

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Engineering

*world examples of
logistics systems
solutions for
multiple
transportation
modes, including
seaports, rail,
barge, road,
pipelines, and
airports Covers a
wide range of
business aspects,*

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Chapter 6 Spatial

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Engineering

including

*customer service,
cost, and decision
analysis Features*

key-term

definitions,

concept

overviews,

discussions, and

*analytical problem-
solving*

Review of the

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Networks Delab

Engineering

Draft Fourth

National Climate Assessment

National Academies Press

This book offers the first

comprehensive examination of

Russia's Arctic

strategy, ranging

from climate

change issues and

territorial disputes to energy policy and domestic challenges. As the receding polar ice increases the accessibility of the Arctic region, rival powers have been manoeuvring for geopolitical and resource security.

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Geographically, Russia controls half of the Arctic coastline, 40 percent of the land area beyond the Circumpolar North, and three quarters of the Arctic population. In total, the sea and land surface

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*area of the
Russian Arctic is
about 6 million
square kilometres.*

*Economically, as
much as 20*

percent of

*Russia's GDP and
its total exports is
generated north of
the Arctic Circle.*

In terms of

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resources, about

95 percent of its

gas, 75 percent of

its oil, 96 percent

of its platinum, 90

percent of its

nickel and cobalt,

and 60 percent of

its copper

reserves are found

in Arctic and Sub-

Arctic regions.

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Engineering

Add to this the riches of the continental shelf, seabed, and waters, ranging from rare earth minerals to fish stocks. After a spike of aggressive rhetoric when Russia planted its

flag in the Arctic seabed in 2007, Moscow has attempted to strengthen its position as a key factor in developing an international consensus concerning a region where its

relative advantages are manifest, despite its diminishing military, technological, and human capacities. Reflections of the Safavid Empire in Early Modern France Ecology and

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Networks, Delab
Conservation
Voice

Attractiveness

Illness and

Inhumanity in

Stalin's Gulag

Areas, Aspects,

and Avenues of

Research

EPA Publications

Bibliography

The False Coin of

Our Own Dreams

"In the years before the 1917 revolution, exiles who had fled the Russian empire created large and boisterous "Russian colonies" across Western and Central Europe. Centers of radical activity in the heart of bourgeois

**cities, these
émigré settlements
evolved into
revolutionary
social experiments
in their own right.
Feminists,
nationalist
activists, and
Jewish intellectuals
seeking to liberate
and uplift
populations
oppressed by the**

**tsarist regime
treated the
colonies as utopian
communities,
creating new
networks,
institutions, and
cultural practices
that reflected their
values. Prefiguring
the ideal world of
freedom and
universal fraternity
of which radicals**

**dreamed, émigré
communities
played a crucial
role in defining the
Russian
revolutionary
tradition and
transforming it
into praxis. The
dreams born in the
colonies also
influenced their
European host
societies,**

**informing
international
debates about the
meaning of
freedom on both
the left and the
right. But if the
utopian visions
forged in exile
inspired
populations far and
wide, they
developed a
tendency to evolve**

in unexpected directions. Colony residents' efforts to transform the world unwittingly produced explosive discontents that proved no less consequential than their revolutionary dreams"--

This book is available as open access through the

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Networks Delab

Engineering

**Bloomsbury Open
Access programme
and is available on
www.bloomsburycollections.com. It is
funded by the
University of
Leicester. Between
1415, when the
Portuguese first
used convicts for
colonization
purposes in the
North African**

**enclave of Ceuta,
to the 1960s and
the dissolution of
Stalin's gulags,
global powers
including the
Spanish, Dutch,
Portuguese,
British, Russians,
Chinese and
Japanese
transported
millions of convicts
to forts, penal**

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Engineering

**settlements and
penal colonies all
over the world. A
Global History of
Convicts and Penal
Colonies builds on
specific regional
archives and
literatures to write
the first global
history of penal
transportation. The
essays explore the
idea of penal**

transportation as an engine of global change, in which political repression and forced labour combined to produce long-term impacts on economy, society and identity. They investigate the varied and interconnected routes convicts

took to penal sites across the world, and the relationship of these convict flows to other forms of punishment, unfree labour, military service and indigenous incarceration. They also explore the lived worlds of convicts, including

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Chapter 6 Spatial
Networks, Delab
Engineering
**work, culture,
religion and
intimacy, and
convict experience
and agency.
Focusing on
midcentury
Milwaukee, Eric
Fure-Slocum
charts the
remaking of
political culture in
the industrial city.
Professor Fure-**

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Networks Delab

Engineering

Slocum shows how two contending visions of the 1940s city - working-class politics and growth politics - fit together uneasily and were transformed amid a series of social and policy clashes. Contests that pitted the

**principles of
democratic access
and distribution
against efficiency
and productivity
included the hard-
fought politics of
housing and
redevelopment,
controversies over
petty gambling,
questions about
the role of
organized labor in**

urban life, and battles over municipal fiscal policy and autonomy. These episodes occurred during a time of rapid change in the city's working class, as African-American workers arrived to seek jobs, women temporarily

advanced in workplaces, and labor unions grew. At the same time, businesses and property owners sought to reestablish legitimacy in the changing landscape. This study examines these local conflicts, showing

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Networks, Delab
Engineering

**how they forged
the postwar city
and laid a
foundation for the
neoliberal city.**

**Illinois Mapnotes
Contesting the
Postwar City
Resources in
Education
Preventing
Childhood Obesity
Contemporary
Trends**

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Engineering

A Global History of Convicts and Penal Colonies

Measurement, Instrumentation, and Sensors Handbook

*A progressive
resurgence is
happening across the
United States. This
book shows how long-
lasting coalitions*

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*have built progressive
power from the
regional level on up.*

*Anchored by the
"think and act"*

*affiliate organizations
of the Partnership for
Working Families*

*(PWF) these regional
power building*

*projects are putting in
place the vision,*

policy agenda,

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Chapter 6 Spatial
Networks Delab
*political savvy, and
grassroots*

*mobilization needed
for progressive
governance. Through
six sections, the book
explores how
Partnership for
Working Families
projects are a core
part of the defeat of
the right-wing in
states such as*

California; the challenge to corporate neoliberalism in traditionally "liberal" areas; and contests for power in such formally solid red states as Arizona, Georgia, and Colorado. This book considers how these PWF groups work on

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*economic, racial and
environmental justice*

challenges, equitable

development, and

other critical issues.

It addresses how, at

their core, they bring

together labor,

community,

environmental, and

faith-based

organizations and the

coalitions and

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*campaigns that they
developed have won*

and continue to win

substantial victories

for their

communities. Igniting

Justice and

Progressive Power

will be of interest to

activists and

concerned citizens

looking to understand

how lasting political

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change actually happens as well as all scholars and students of social work, urban geography, political sociology, community development, social movements and political science more broadly.

Publisher Description

This guide provides an overview of the

*thematic areas,
analytical aspects,
and avenues of
research which,
together, form a
broader conversation
around doing spatial
history. Spatial
history is not a field
with clearly
delineated
boundaries. For the
most part, it lacks a*

*distinct,
unambiguous
scholarly identity. It
can only be thought
of in relation to other,
typically more
established fields.
Indeed, one of the
most valuable utilities
of spatial history is its
capacity to facilitate
conversations across
those fields.*

Consequently, it must be discussed in relation to a variety of historiographical contexts. Each of these have their own intellectual genealogies, institutional settings, and conceptual path dependencies. With this in mind, this guide surveys the

*following areas:
territoriality,
infrastructure, and
borders; nature,
environment, and
landscape; city and
home; social space
and political protest;
spaces of knowledge;
spatial imaginaries;
cartographic
representations; and
historical GIS*

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research.

*Spatial, Mechanical,
Thermal, and
Radiation
Measurement
Effects of urban
development on
stream ecosystems in
nine metropolitan
study areas across the
United States
The
Institutionalization of*

*Science in Early
Modern Europe*

*The Management of
Meaning*

Progress in

*Preventing Childhood
Obesity*

*Quarterly Abstract
Bulletin*

*The race against time
for smarter
development*

For courses in

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Engineering

Experimental
Methods and in
Research Methods
in Political
Science and
Sociology An
informative and
unintimidating
look at the
basics of
research in the
social and
behavioral
sciences

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Exploring
Engineering
Research makes
research methods
accessible for
students -
describing how
to collect and
analyze data,
and providing
thorough
instruction on
how to prepare
and write a
research

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Engineering

proposal and
manuscript.

Author Neil

Salkind covers

the research

process, problem

selection,

sampling and gen

eralizability,

and the

measurement

process. He also

incorporates the

most common

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types of
research models
used in the
social and
behavioral
sciences,
including
qualitative
methods. The
Ninth Edition
explores the use
of electronic
sources (the
Internet) as a

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means to enhance
research skills,

includes

discussions

about scientific
methods, and

places a strong
emphasis on

ethics. NOTE:

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a Pearson Books
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edition: a

convenient, thre

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e-hole-punched,
loose-leaf text.

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the flexibility
offered by this
format, Books a
la Carte
editions offer
students great
value, as they
cost
significantly
less than a
bound textbook.

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The first
comprehensive
overview of the
innovative new
discipline of
global history
Until very
recently,
historians have
looked at the
past with the
tools of the
nineteenth
century. But

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globalization
has
fundamentally
altered our ways
of knowing, and
it is no longer
possible to
study nations in
isolation or to
understand world
history as
emanating from
the West. This
book reveals why

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the discipline
of global
history has
emerged as the
most dynamic and
innovative field
in history—one
that takes the
connectedness of
the world as its
point of
departure, and
that poses a
fundamental

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challenge to the premises and methods of history as we know it. What Is Global History? provides a comprehensive overview of this exciting new approach to history. The book addresses some of the

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biggest
questions the
discipline will
face in the
twenty-first
century: How
does global
history differ
from other
interpretations
of world
history? How do
we write a
global history

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that is not
Eurocentric yet
does not fall
into the trap of
creating new
centrisms? How
can historians
compare
different
societies and
establish
compatibility
across space?
What are the

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politics of
global history?
This in-depth
and accessible
book also
explores the
limits of the
new paradigm and
even its
dangers, the
question of whom
global history
should be
written for, and

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much more.

Written by a
leading expert
in the field,
What Is Global
History? shows
how, by
understanding
the world's past
as an integrated
whole,
historians can
remap the
terrain of their

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discipline for
our globalized
present.

This volume aims
to furnish a
broader
framework for
analyzing the
scientific and
institutional
context that
gave rise to
scientific
academies in

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Europe, from
Italy to
England, and
from Poland to
Portugal.

Wireless Sensor
and Actuator
Networks for
Smart Cities

What Is Global
History?

the quality of
our nation's
waters

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The Partnership
for Working
Families Cities
The Power of
Infrastructure
Space
New
Methodological
Strategies
Working-Class
and Growth
Politics in
1940s Milwaukee
A new and chilling

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Engineering
study of lethal human
exploitation in the

Soviet forced labor

camps, one of the

pillars of Stalinist

terror In a shocking

new study of life and

death in Stalin's

Gulag, historian Golfo

Alexopoulos suggests

that Soviet forced

labor camps were

driven by brutal

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Engineering
exploitation and often
administered as death

camps. The first study

to examine the Gulag

penal system through

the lens of health,

medicine, and human

exploitation, this

extraordinary work

draws from previously

inaccessible archives

to offer a chilling new

view of one of the

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pillars of Stalinist
terror.

This book is the second in a series that examines how geographic information technologies (GIT) are being implemented to improve our understanding of a variety of hazard and disaster situations.

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The main types of technologies covered under the umbrella of GIT, as used in this volume, are geographic information systems, remote sensing (not including ground-penetrating or underwater systems), and global positioning systems. Our focus is

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on urban areas,
broadly defined in
order to encompass
rapidly growing and
densely populated
areas that may not be
considered “urban” in
the conventional
sense. The material
presented here is also
unabashedly applied –
our goal is to provide
GIT tools to those

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seeking more efficient ways to respond to, recover from, mitigate, prevent, and/or model hazard and disaster events in urban settings.

Therefore, this book was created not only with our colleagues in the academic world in mind, but also for hazards professionals

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and practitioners. We also believe graduate students will find the material presented here of interest, as may upper division undergraduate students.

Extrastatecraft is the operating system of the modern world: the skyline of Dubai, the subterranean pipes

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and cables sustaining urban life, free-trade zones, the standardized dimensions of credit cards, and hyper-consumerist shopping malls. It is all this and more. Infrastructure sets the invisible rules that govern the spaces of our everyday lives, making the city the

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Engineering
key site of power and
resistance in the

twenty-first century.

Keller Easterling

reveals the nexus of
emerging

governmental and
corporate forces

buried within the

concrete and fiber-
optics of our modern

habitat. Extrastatecraft

will change how we

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Engineering
think about cities—and,
perhaps, how we live
in them.

Documentation

Abstracts

Toward an

Anthropological

Theory of Value

A Guide to Spatial

History

Megafauna

International

Aerospace Abstracts

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A Critical

Introduction

Children's health has made tremendous strides over the past century. In general, life expectancy has increased by more than thirty years since 1900 and much of this improvement is due to the reduction of infant

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and early childhood mortality. Given this trajectory toward a healthier childhood, we begin the 21st-century with a shocking development – an epidemic of obesity in children and youth. The increased number of obese children throughout the U.S. during the

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Engineering

past 25 years has led policymakers to rank it as one of the most critical public health threats of the 21st-century. Preventing Childhood Obesity provides a broad-based examination of the nature, extent, and consequences of obesity in U.S.

children and youth, including the social,

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environmental, medical, and dietary factors responsible for its increased prevalence. The book also offers a prevention-oriented action plan that identifies the most promising array of short-term and longer-term interventions, as well as recommendations for

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the roles and responsibilities of numerous stakeholders in various sectors of society to reduce its future occurrence. Preventing Childhood Obesity explores the underlying causes of this serious health problem and the actions needed to initiate, support, and

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sustain the societal and lifestyle changes that can reverse the trend among our children and youth.

This book is a printed edition of the Special Issue "Wireless Sensor and Actuator Networks for Smart Cities" that was published in JSAN In this book ,Vincent Wimbush seeks to

problematize what we call "scriptures," a word first used to refer simply to "things written," the registration of basic information. In the modern world the word came to be associated almost exclusively with the center- and power-defining "sacred" texts of "world religions."

Wimbush argues that this narrowing of the valence of the term was a decisive development for western culture. His purpose is to reconsider the initially broad and politically charged use of the term. "Scriptures" are excavated not merely as texts to be read but understood as

discourse: as mimetic rituals and practices, as ideologically-charged orientations to and prescribed behaviors in the world, as structures of relationships and social formations, as forms of communication.

Wimbush is naming and constructing a new transdisciplinary

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critical project, which uses the historical and modern experiences of the Black Atlantic as resources for framing, categorization, and analysis. Using Chinua Achebe's novel *Things Fall Apart* as a touchstone, each chapter offers a close reading and analysis

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of a representative moment in the formation of the Black Atlantic, regarded as part of a history of modern human consciousness and conscientization.

Such a history, Wimbush says, is reflected in the major turns in what he calls scripturalectics, part of the construction of

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the modern world,
defined as efforts to
manage or control
knowledge and
meaning.

Political Ecology

Scripturalectics

The Criminal

Investigation Process

Geospatial

Techniques in Urban

Hazard and Disaster

Analysis

Mobility, Data Mining

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and Privacy
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Giant Beasts of
Pleistocene South
America
Geographic
Knowledge Discovery
Mobile
communications
and ubiquitous
computing
generate large
volumes of data.
Mining this data
can produce

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useful
knowledge, yet
individual
privacy is at
risk. This book
investigates the
various
scientific and
technological
issues of
mobility data,
open problems,
and roadmap. The
editors manage a

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research project
called GeoPKDD,

Geographic
Privacy-Aware
Knowledge

Discovery and
Delivery, and
this book

relates their
findings in 13
chapters

covering all
related
subjects.

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The remarkable increase in the prevalence of obesity among children and youth in the United States over a relatively short timespan represents one of the defining public health challenges of

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the 21st
century. The
country is
beginning to
recognize
childhood
obesity as a
major public
health epidemic
that will incur
substantial
costs to the
nation. However,
the current

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level of investment by the public and private sectors still does not match the extent of the problem. There is a substantial underinvestment of resources to adequately address the scope of this

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obesity crisis.
At this early
phase in
addressing the
epidemic,
actions have
begun on a
number of levels
to improve the
dietary patterns
and to increase
the physical
activity levels
of young people.

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Schools,
corporations,
youth-related
organizations,
families,
communities,
foundations, and
government
agencies are
working to
implement a
variety of
policy changes,
new programs,

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and other
interventions.

These efforts,
however,
generally remain
fragmented and
small in scale.
Moreover, the
lack of
systematic
monitoring and
evaluation of
interventions
have hindered

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the development
of an evidence
base to
identify, apply,
and disseminate
lessons learned
and to support
promising
efforts to
prevent
childhood
obesity.

Progress in
Preventing

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Childhood

Obesity: How Do
We Measure Up?

examines the
progress made by
obesity

prevention

initiatives in

the United

States from 2004

to 2006. This

book emphasizes

a call to action

for key

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stakeholders and
sectors to
commit to and
demonstrate
leadership in
childhood
obesity
prevention,
evaluates all
policies and
programs,
monitors their
progress, and
encourages

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stakeholders to
widely
disseminate
promising
practices. This
book will be of
interest to
federal, state,
and local
government
agencies;
educators and
schools; public
health and

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health care professionals; private-sector companies and industry trade groups; media; parents; and those involved in implementing community-based programs and consumer advocacy.

Both fire and

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climatic
variability have
monumental
impacts on the
dynamics of
temperate
ecosystems.

These impacts
can sometimes be
extreme or
devastating as
seen in recent
El Nino/La Nina
cycles and in

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uncontrolled
fire

occurrences.

This volume
brings together
research
conducted in
western North
and South
America, areas
of a great deal
of collaborative
work on the
influence of

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people and
climate change
on fire regimes.
In order to give
perspective to
patterns of
change over
time, it
emphasizes the
integration of
paleoecological
studies with
studies of
modern

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ecosystems. Data from a range of spatial scales, from individual plants to communities and ecosystems to landscape and regional levels, are included. Contributions come from fire ecology, paleoecology,

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biogeography, pa
leoclimatology,
landscape and
ecosystem
ecology,
ecological
modeling, forest
management,
plant community
ecology and
plant
morphology. The
book gives a
synthetic

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overview of
methods, data
and simulation
models for
evaluating fire
regime processes
in forests,
shrublands and
woodlands and
assembles case
studies of fire,
climate and land
use histories.
The unique

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approach of this
book gives
researchers the
benefits of a
north-south
comparison as
well as the
integration of
paleoecological
histories,
current
ecosystem
dynamics and
modeling of

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future changes.

The Persian

Mirror

Extrastatecraft

Fire and

Climatic Change

in Temperate

Ecosystems of

the Western

Americas

Utopia's

Discontents

Technical

Abstract

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Bulletin

Health in the
Balance

The Future of
the Public's
Health in the
21st Century

“ An enjoyable read
that provides a
substantial amount of
detail on the biology,
ecology, and
distribution of these

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fantastic animals . . .

Highly

recommended. ”

—Choice More than
10,000 years ago
spectacularly large
mammals roamed the
pampas and jungles
of South America.

This book tells the
story of these great
beasts during and just

after the Pleistocene, the geological epoch marked by the great ice ages. Megafauna describes the history and way of life of these animals, their comings and goings, and what befell them at the beginning of the modern era and the arrival of humans.

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It places these giants within the context of the other mammals then alive, describing their paleobiology—how they walked; how much they weighed; their diets, behavior, biomechanics; and the interactions among them and with

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their environment. It also tells the stories of the scientists who contributed to our discovery and knowledge of these transcendent creatures and the environment they inhabited. The episode known as the Great American

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Biotic Interchange,
perhaps the most
important of all
natural history
“ experiments, ” is
also an important
theme of the book,
tracing the biotic
events of both North
and South America
that led to the fauna
and the ecosystems

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discussed in this book. “ Collectively, this book brings attention to the discovery and natural history of ancient beasts in South America while providing a broader temporal and geographic background that

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allows readers to understand their evolution and potential immigration to South America. ”

—Quarterly Review of Biology “ An excellent volume . . .

This book is likely to facilitate progress in the understanding of fossil mammals from

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the Americas.”

—Priscum

Now a widely cited classic, this innovative book is the first comprehensive synthesis of economic, political, and cultural theories of value. David Graeber reexamines a

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century of
anthropological
thought about value
and exchange, in
large measure to find
a way out of ongoing
quandaries in current
social theory, which
have become critical
at the present
moment of
ideological collapse in

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the face of
Neoliberalism.

Rooted in an
engaged, dynamic
realism, Graeber
argues that projects of
cultural comparison
are in a sense
necessarily
revolutionary
projects: He attempts
to synthesize the best

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insights of Karl Marx
and Marcel Mauss,
arguing that these
figures represent two
extreme, but
ultimately
complementary,
possibilities in the
shape such a project
might take. Graeber
breathes new life into
the classic

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anthropological texts on exchange, value, and economy. He rethinks the cases of Iroquois wampum, Pacific kula exchanges, and the Kwakiutl potlatch within the flow of world historical processes, and recasts value as a model of

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human meaning-
making, which far
exceeds
rationalist/reductive
economist
paradigms.

An accessible,
focused exploration
of the field of political
ecology The third
edition of Political
Ecology spans this

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sprawling field, using grounded examples and careful readings of current literature.

While the study of political ecology is sometimes difficult to fathom, owing to its breadth and diversity, this resource simplifies the discussion by

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reducing the field down into a few core questions and arguments. These points clearly demonstrate how critical theory can make pragmatic contributions to the fields of conservation, development, and environmental

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management. The latest edition of this seminal work is also more closely focused, with references to recent work from around the world. Further, Political Ecology raises critical questions about “ traditional ” approaches to

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environmental
questions and
problems. This new
edition: Includes
international work in
the field coming out
of Europe, Latin
America, and Asia
Explains political
ecology and its
tendency to disrupt
the environmental

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research and practice
by both advancing
and undermining
associated fields of
study Contains
contributions from a
wide range of diverse
backgrounds and
expertise Offers a
resource that is
written in highly-
accessible,

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straightforward
language Outlines the
frontiers of the field
and frames climate
change and the end
of population growth
with the framework
of political ecology
An excellent resource
for undergraduates
and academics, the
third edition of

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Political Ecology
offers an updated
edition of the guide
to this diverse,
quickly growing field
that is at the heart of
how humans shape
the world and, in
turn, are shaped by it.

Logistics
Transportation
Systems

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Studies on Sexy,
Likable, and
Charismatic Speakers
Exploring Reserach
Gender and U.S.
Immigration
How Do We
Measure Up?
Scientific and
Technical Aerospace
Reports

This book

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**addresses
various
aspects of acoustic-phonetic
analysis,
including
voice quality
and
fundamental
frequency, and
the effects of
speech fluency**

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and non-native accents, by examining read speech, public speech, and conversations. Voice is a sexually dimorphic trait that can convey important

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***biological and
social
information
about the
speaker, and
empirical
findings
suggest that
voice characte
ristics and
preferences
play an***

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***important role
in both intra-
and***

***intersexual
selection,***

such as

***competition
and mating,***

***and social
evaluation.***

***Discussing
evaluation***

***criteria like
physical attra
ctiveness,
pleasantness,
likability,
and even
persuasiveness
and charisma,
the book
bridges the
gap between
social and***

***biological
views on voice
attractiveness
. It presents
conceptual,
methodological
and empirical
work applying
methods such
as passive
listening
tests,***

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***psychoacoustic
rating
experiments,
and crowd-
sourced and
interactive
scenarios and
highlights the
diversity not
only of the
methods used
when studying***

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voice attractiveness, but also of the domains investigated, such as politicians' speech, experimental speed dating, speech synthesis,

**vocal
pathology, and
voice
preferences in
human
interactions
as well as in
human–computer
and
human–robot
interactions.
By doing so,**

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***it identifies
widespread and
complementary
approaches and
establishes
common ground
for further
research.***

***The Persian
Mirror***

***explores
France's***

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***preoccupation
with Persia in
the***

***seventeenth
century. Long
before***

***Montesquieu's
Persian***

***Letters,
French***

***intellectuals,
diplomats and***

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***even ordinary
Parisians were
fascinated by
Persia and
eagerly
consumed
travel
accounts,
fairy tales,
and the
spectacle of
the Persian***

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***ambassador's
visit to Paris
and Versailles
in 1715. Using
diplomatic
sources,
fiction and
printed and
painted
images, The
Persian Mirror
describes how***

***the French
came to see
themselves in
Safavid
Persia. In
doing so, it
revises our
notions of
orientalism
and the exotic
and suggests
that early***

modern

Europeans had more nuanced responses to Asia than previously imagined.

Destruction of habitat due to urban sprawl, pollution, and deforestation

***has caused
population
declines or
even
extinction of
many of the
world's
approximately
2,600 snake
species.
Furthermore,
misconceptions***

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***about snakes
have made them
among the most
persecuted of
all animals,
despite the
fact that less
than a quarter
of all species
are venomous
and most
species are***

beneficial because they control rodent pests. It has become increasingly urgent, therefore, to develop viable conservation strategies for snakes and to

***investigate
their
importance as
monitors of
ecosystem
health and
indicators of
habitat sustain-
ability. In
the first book
on snakes
written with a***

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Engineering.

***focus on
conservation,
editors***

***Stephen J.
Mullin and
Richard A.
Seigel bring
together
leading
herpetologists
to review and
synthesize the***

***ecology,
conservation,
and management
of snakes
worldwide.
These experts
report on
advances in
current
research and
summarize the
primary***

***literature,
presenting the
most important
concepts and
techniques in
snake ecology
and
conservation.
The common
thread of
conservation
unites the***

twelve chapters, each of which addresses a major subdiscipline within snake ecology. Applied topics such as methods and modeling and

***strategies
such as
captive
rearing and
translocation
are also
covered. Each
chapter
provides an
essential
framework and
indicates***

***specific
directions for
future
research,
making this a
critical
reference for
anyone
interested in
vertebrate
conservation
generally or***

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Engineering.

***for anyone
implementing
conservation
and management
policies
concerning
snake
populations.***