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**Acknowledgment
s. Basic Real-
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Systems. Hardwa
re/Software
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Time

Applications.

Glossary.

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Index.

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printed edition of
the Special Issue
"Real-Time
Embedded
Systems" that
was published in
Electronics
Discover WTP,**

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**the New End-to-
End Toolset for
Java-Based Web
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Eclipse Web
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**seamlessly
integrates all the
tools today's
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developer needs.
WTP is both an
unprecedented**

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developers and a
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Platform offers
in-depth
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included in WTP,
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capabilities
never before
available in
Eclipse. The
authors cover
the entire Web
development
process—from
defining Web
application
architectures

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**and development
processes
through testing
and beyond. And
if you're seeking
to extend WTP,
this book
provides an
introduction to
the platform's
rich APIs. The
book also
Presents step-by-
step coverage of**

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**developing
persistence,
business logic,
and presentation
tiers with WTP
and Java
Introduces best
practices for
multiple styles of
Web and Java EE
development
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JDBC database
access and**

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**configuration
Shows how to
configure
application
servers for use
with WTP Walks
through creating
Web service
application
interfaces Covers
automated
testing with JUnit
and Cactus, and
automated builds**

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utilizing Ant,
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Maven, and
CruiseControl

Introduces
testing and
profiling Web
applications with
the Eclipse Test
and Performance
Tools Platform
(TPTP) project
Describes how to
extend WTP with
new servers, file

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Technologies
**types, and WSDL
extensions**

Foreword

**Preface Acknowledgments About
the Authors Part**

I: Getting

Started Chapter

1: Introduction

**Chapter 2: About
the Eclipse Web
Tools Platform**

Project Chapter

3: Quick Tour

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**Chapter 4:
Setting Up Your
Workspace Part
II: Java Web
Application
Development
Chapter 5: Web
Application
Architecture and
Design Chapter
6: Organizing
Your
Development
Project Chapter**

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7: The
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Presentation Tier

Chapter 8: The
Business Logic

Tier Chapter 9:
The Persistence

Tier Chapter 10:
Web Services

Chapter 11:
Testing Part III:

Extending WTP
Chapter 12:

Adding New
Servers Chapter

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New File Types**

**Chapter 14:
Creating WSDL
Extensions**

**Chapter 15:
Customizing
Resource**

**Resolution Part
IV: Products and
Plans Chapter**

**16: Other Web
Tools Based on
Eclipse Chapter**

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**17: The Road
Ahead Glossary
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invaluable
resource for
every Eclipse and
enterprise Java
Web developer:
both those who
use Eclipse to
build other Web
applications, and
those who build**

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**Eclipse
technologies into
their own
products.**

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**Explore the
concepts,
patterns, and
architecture
behind AppRun**

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**into three
decoupled parts:
state, view, and
update. You will
then see how to
connect web
page events to
the AppRun
event life-cycle,
route user
interactions,
access data from
the remote
servers, compose**

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the user interface using components, and integrate 3rd party libraries. Following examples of various apps, such as the counter app, to-do app, weather app, hacker news reader app, and blog app, you

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**will have all the
techniques for
developing your
AppRun apps
including the line
of business apps.
You will also
review wider
development
concepts such as
using strongly
typed states
practically, unit
testing**

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**strategies for
app state
changes, time
travel**

**debugging,
async web API
invocation,
server-side
virtual DOM,
module
compilation
optimization, the
developer tools,
and more. What**

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**You'll Learn Use
AppRun to**

**develop web
apps end-to-end
Understand the
technology
behind AppRun
Evaluate and
compare
architecture
design Develop
applications
using Elm
architecture,**

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and subscription,
and components.**

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developers and
architects; useful
for beginners
learning front-
end development
and more
experienced
developers
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**learning about
AppRun and
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**Elm-Inspired
Architecture,
Event Pub-Sub,
and Components**

□□□□□□□□□□□□□□□□

This book
investigates and
critically interprets
the
underrepresentation
of the global South
in global knowledge
production. The
author analyses the

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serious bias
towards scholars
and institutions

from this region: he
argues that this
phenomenon
causes serious
disadvantages not
only for authors and
institutions, but
global science as
well by impeding the
flow of fresh,
innovative

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scholarship. This book uses a combination of field theory and world-systems analysis to explain the motives and dynamics behind the geopolitical and societal inequalities in the system of global knowledge production.

Subsequently, the

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author offers several solutions by which these inequalities could be reduced, or even eliminated.

This book will be of interest and value to scholars of knowledge inequalities, and knowledge production in the global South.

"Márton Demeter's

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monograph invokes rich anecdotal, empirical and scientometric evidence to delineate the contours of a world system that preserves the dominance of Western knowledge and scholars and the westernisation or peripheralisation

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of the rest – a system defined by geopolitical and material inequalities, socio-economic class differences, institutional elitism and publishing biases. Demeter's work counters narratives that present academia as meritocratic and that justify disparities in

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world publications
on the basis of pure
rigour, exposing
rather norms and
values that
perpetuate a
western elitist
system and
peripheralise those
who happen to lack
this cultural capital.
Demeter's work
adds to an
expanding field of

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Technologies
research

documenting how

Anglophone

standards and

biases in journal

indexing, peer

review and editorial

board recruitment

marginalise

consistently the

Global South. His

practical and

concrete

suggestions to

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subvert this system
of horizontal and
vertical inequalities
could not be timelier
and provides
momentum to
decolonisation
movements in
higher education
across the world.”

—Dr Romina Istratii,
SOAS University of
London, UK “Márton
Demeter is a scholar

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dedicated to revealing the inequality in academic publishing and a strong advocate for scholars from the Global South. This book is an epitome of his effort on this cause. Demeter utilizes his wealth of data including authorships,

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citations, journal
publishers, editorial
review board

compositions, the
reviewers and the
editors of journals
as strong evidence
of inequality with his
three-dimensional
model of academic
stratification. This
book is a must-read
for scholars both in
the Global North and

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the Global South to reflect on the current state of academic knowledge gatekeeping and production. It will spark a dialogue between scholars to address the dominance of the Global North especially in the field of

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communication.”

—Professor Louisa

Ha, Bowling Green

State University,

USA “Márton

Demeter’s analysis

and critique of the

unequal structure of

global knowledge

production is a

powerful

contribution to the

global justice

movement with

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dramatic implications for what academics in both the Global North and the Global South can do to help science and the humanities live up to their claims of meritocracy and universality.

Demeter employs a useful critical combination of the

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world-systems
perspective and
Bourdieuian field
theory to organize
the results of his
careful and
sophisticated
empirical studies of
global knowledge
production. He is an
intrepid protagonist
of a more egalitarian
human future."

—Professor

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Christopher Chase-
Dunn, University of
California,
Riverside, USA

This book reviews
the progress made
in salivary
diagnostics during
the past two
decades and
identifies the likely
direction of future
endeavors. After an
introductory section

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describing the histological and anatomical features of the salivary glands and salivary function, salivary collection devices and diagnostic platforms are reviewed. The field of "salivaomics" is then considered in detail, covering, for example,

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proteomics, the
peptidome, DNA and
RNA analysis,
biomarkers, and
methods for
biomarker
discovery. Salivary
diagnostics for oral
and systemic
diseases are
thoroughly
discussed, and the
role of salivary
gland tissue

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engineering for
future diagnostics is
explored. The book
closes by
considering legal
issues and barriers
to salivary
diagnostic
development.

Advances in
Salivary Diagnostics
will be an
informative and
stimulating

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reference for both
practitioners and
students.

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strategies and tools
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an introduction to the
technology for
educators, with case
studies of education
and training uses of
ISDN technologies in
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Australia.

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groundbreaking plan
to prevent and
reverse Alzheimer's
Disease that
fundamentally
changes how we
understand cognitive
decline. Everyone
knows someone who

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has survived cancer,
but until now no one
knows anyone who
has survived
Alzheimer's Disease.
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shifting book, Dale
Bredesen, MD,
offers real hope to
anyone looking to
prevent and even
reverse Alzheimer's
Disease and

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cognitive decline. Revealing that AD is not one condition, as it is currently treated, but three, *The End of Alzheimer's* outlines 36 metabolic factors (micronutrients, hormone levels, sleep) that can trigger "downsizing" in the brain. The protocol shows us

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how to rebalance
these factors using
lifestyle

modifications like
taking B12,
eliminating gluten, or
improving oral
hygiene. The results
are impressive. Of
the first ten patients
on the protocol, nine
displayed significant
improvement with

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3-6 months; since then the protocol has yielded similar results with hundreds more.

Now, The End of Alzheimer's brings new hope to a broad audience of patients, caregivers, physicians, and treatment centers with a fascinating

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look inside the
science and a
complete step-by-
step plan that
fundamentally
changes how we
treat and even think
about AD.

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Functioning
A Field Guide
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to cultural theory, as well as perspectives more specifically related to communication acts, such as linguistics and cognition. The volume also features chapters on the participants and various elements in communication

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possible effects and
on wider

consequences of
mediation [with
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both the empirical
and the

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BIRT: A Field
Guide to Reporting,
Third Edition, is the
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levels to build reports, from simple to complex, without programming. ¿

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physical laws. The
book begins with a
discovery of what
engineers do as well

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as an inside look into the various areas of specialization. An explanation on good study habits and what it takes to succeed is included as well as an introduction to design and problem solving, communication, and

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ethics. Once this foundation is established, the book moves on to the basic physical concepts and laws that students will encounter regularly. The framework of this text teaches students that engineers apply

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physical and
chemical laws and
principles as well as
mathematics to
design, test, and
supervise the
production of
millions of parts,
products, and
services that people
use every day. By
gaining problem

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solving skills and an understanding of fundamental principles, students are on their way to becoming analytical, detail-oriented, and creative engineers.

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the latest advances,
innovations, and
applications in the
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and building
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presented at the 18th
International
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economics, and
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Africa, the
book assesses*

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innovative
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five-year*

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overall goal to
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livelihoods and
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machinery for a

specific job

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machine
performance to
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efficient
extraction, and
offers
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rock cutting
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different
mechanical*

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Daejeon, Korea,
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22-24, 2011.*

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*Production and
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Planning. Attention.
Memory. Self-
regulation. These and
other core cognitive
and behavioral
operations of daily life
comprise what we
know as executive

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functioning (EF). But despite all we know, the concept has engendered multiple, often conflicting definitions and its components are sometimes loosely defined and poorly understood. The Handbook of Executive Functioning cuts through the

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confusion, analyzing
both the whole and its
parts in

comprehensive,
practical detail for
scholar and clinician
alike. Background
chapters examine
influential models of
EF, tour the brain
geography of the
executive system and
pose salient

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developmental questions. A section on practical implications relates early deficits in executive functioning to ADD and other disorders in children and considers autism and later-life dementias from an EF standpoint. Further chapters weigh the merits of widely used instruments for

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assessing executive
functioning and review
interventions for its
enhancement, with
special emphasis on
children and
adolescents. Featured
in the Handbook: The
development of hot
and cool executive
function in childhood
and adolescence. A
review of the use of

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executive function tasks in externalizing and internalizing disorders. Executive functioning as a mediator of age-related cognitive decline in adults. Treatment integrity in interventions that target executive function. Supporting and strengthening

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working memory in the
classroom to enhance
executive functioning.

The Handbook of
Executive Functioning
is an essential resource
for researchers, scientist-
practitioners and
graduate students in
clinical child, school
and educational
psychology; child and
adolescent psychiatry;

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neurobiology;
developmental
psychology;

rehabilitation

medicine/therapy and
social work.

No matter how perfect
a project plan may be
on paper, it is worthless
if nobody actually uses
it. This innovative
guide shows you how
to ensure that your

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team has the process capabilities needed to successfully carry out any project plan you put to paper. By using the SEI's Capability Maturity Model, The Project Management Maturity Model, and PMBOK Knowledge areas, you can baseline your team's process level to see how it

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measures up to those
required by a project
plan.

This book examines
the contribution which
intellectual property
rights can make in the
struggle for food
security in developing
countries. The book
consists of 11 chapters.
Chapter 1 locates
intellectual property

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rights within the
armoury of food
security policies.

Chapter 2 deals with
definitional issues and
examines the role of
intellectual property
rights in incentivizing
agricultural research
and development.

Chapter 3 examines the
international landscape
of intellectual property

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and the approaches taken to the relationship between intellectual property rights, agricultural biotechnology, access to biological resources, food security and globalization which are taken by the WTO, FAO, CBD and WIPO among the various international and

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development agencies.

Plant variety rights

(PVRs) are a specially

created form of

intellectual property

right originally minted

to encourage

agricultural innovation

and Chapter 4

examines the

effectiveness of PVRs

in a food security

context. Agricultural

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innovation is in part dependent upon access of researchers to the genetic resources of the biodiverse countries of the South. Chapter 5 considers the attempts to construct an international regime to secure this access. The important role of traditional farmers in preserving landraces

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and cultivars from which improvements can be derived has generated for a call for the recognition of farmers' rights, and this is examined in Chapter 6 together with agitation for the protection of the traditional knowledge which often informs access to the useful

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genetic resources.

Chapter 7 examines the intellectual property implications of the use of genetically modified (GM) crops as a technological solution to food insecurity. The protection of GM crops is achieved through patent protection and Chapter 9 looks at the

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competition law
implications of patent
licensing, patent pools
and patent thickets. An
old intellectual
property device that
underpinned the
commercial
development of
European agricultural
marketing is the
geographical
indication, and

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Chapter 8 examines the contribution it might make to achieving food security. Returning to the theme of the role of intellectual property law in incentivizing innovation, Chapter 10 examines its role in promoting agricultural research. The concluding chapter proposes a number of

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Practice

recommendations for
action in deploying
intellectual property
law in the struggle for
food security.

Management and
enables them to deal
with the demands and
complexities of
modern, agile systems/s
oftware/hardware
development teams.

The book examines the

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project/program manager beyond the concepts of leadership and aims to connect to employees' sense of identity. The text examines human psychological concepts such as “ locus of control, ” which will help the manager understand their team members ' view and

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how best to manage
their “ world ”
contributions. The

authors cover new
management tools and
philosophies for agile s
ystems/software/hardw
are development teams,
with a specific focus on
how this relates to
engineering and
computer science. This
book also includes

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Practices
practical case studies.

Discusses management
skills needed as they
relate to the advances
in software

development practices

Examines how to

manage an agile

development team that

includes teams across

geographically,

ethnically, and

culturally diverse

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Technologies
Embraces
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Practice
backgrounds Embraces
all of the aspects of
modern management
and leadership

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**The role of biochar
in improving soil
fertility is
increasingly being
recognized and is
leading to**

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**recommendations
of biochar
amendment of
degraded soils. In
addition, biochars
offer a sustainable
tool for managing
organic wastes and
to produce added-
value products. The
benefits of biochar
use in agriculture**

and forestry can span enhanced plant productivity, an increase in soil C stocks, and a reduction of nutrient losses from soil and non-CO₂ greenhouse gas emissions. Nevertheless, biochar

composition and properties and, therefore, its performance as a soil amendment are highly dependent on the feedstock and pyrolysis conditions. In addition, due to its characteristics, such as high

**capacity, there are
other applications
for biochar that
still need to be
properly tested.**

**Thus, the 16
original articles
contained in this
book, which were**

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Technologies
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Practice
**selected and
evaluated for this
Special Issue,**

**provide a
comprehensive
overview of the
biological,
chemicophysical,
biochemical, and
environmental
aspects of the
application of**

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**biochar as soil
amendment.**

**Specifically, they
address the
applicability of
biochar for nursery
growth, its effects
on the productivity
of various food
crops under
contrasting
conditions, biochar**

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Technologies
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**capacity for
pesticide retention,
assessment of**

**greenhouse gas
emissions, and soil
carbon dynamics. I
would like to thank
the contributors,
reviewers, and the
support of the
Agronomy editorial
staff, whose**

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**professionalism
and dedication
have made this
issue possible.**

**In this book,
Suzanne Preston
Blier examines the
intersection of art,
risk and creativity
in early African
arts from the
Yoruba center of**

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**Ife and the striking
ways that ancient
Ife artworks**

**inform society,
politics, history and
religion. Yoruba
art offers a unique
lens into one of
Africa's most
important and least
understood early
civilizations, one**

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**whose historic arts
have long been of
interest to local
residents and
Westerners alike
because of their
tour-de-force visual
power and
technical
complexity. Among
the complementary
subjects explored**

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**are questions of art
making, art
viewing and
aesthetics in the
famed ancient
Nigerian city-state,
as well as the
attendant risks and
danger assumed by
artists, patrons and
viewers alike in
certain forms of**

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**subject matter and
modes of portrayal,
including unique
genres of body
marking,
portraiture, animal
symbolism and
regalia. This
volume celebrates
art, history and the
shared passion and
skill with which the**

Technologies
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**remarkable artists
of early Ife sought
to define their past
for generations of
viewers.**

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overview of the
main issues of data
mining, including
its classification,
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**processes as well as
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applications.**

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great importance to
humans and other
living organisms.**

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**The study of water
quality draws
information from a
variety of
disciplines
including
chemistry, biology,
mathematics,
physics,
engineering, and
resource
management.**

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**University training
in water quality is
often limited to
specialized courses
in engineering,
ecology, and
fisheries curricula.
This book also
offers a basic
understanding of
water quality to
professionals who**

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**are not formally
trained in the
subject. The
revised third
edition updates and
expands the
discussion, and
incorporates
additional figures
and illustrative
problems.**

Improvements

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include a new chapter on basic chemistry, a more comprehensive chapter on hydrology, and an updated chapter on regulations and standards. Because it employs only first-year college-level chemistry and

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**very basic physics,
the book is well-
suited as the**

**foundation for a
general
introductory course
in water quality. It
is equally useful as
a guide for self-
study and an in-
depth resource for
general readers.**

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**The End of
Alzheimer's
60 Years of Humor,
Satire, Stupidity
and Stupidity**

ISDN

Totally MAD

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*This rapidly
developing field
encompasses many*

disciplines

including

operations

research,

mathematics, and

probability.

Conversely, it

is being applied

in a wide

variety of

subjects ranging

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*from agriculture
to financial
planning and
from industrial
engineering to
computer
networks. This
textbook
provides a first
course in
stochastic
programming
suitable for
students with a*

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*basic knowledge
of linear
programming,*

*elementary
analysis, and
probability. The
authors present
a broad overview
of the main
themes and
methods of the
subject, thus
helping students
develop an*

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intuition for how to model uncertainty into mathematical problems, what uncertainty changes bring to the decision process, and what techniques help to manage uncertainty in solving the problems. The

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early chapters
introduce some
worked examples
of stochastic
programming,
demonstrate how
a stochastic
model is
formally built,
develop the
properties of
stochastic
programs and the
basic solution

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techniques used
to solve them.

The book then
goes on to cover
approximation
and sampling
techniques and
is rounded off
by an in-depth
case study. A
well-paced and
wide-ranging
introduction to
this subject.

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*This book
constitutes the
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in Daejeon,
Korea, in*

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The 85 revised

full papers
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carefully
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The papers are
organized in
topical sections
on
communications
and networking;

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*motion, video,
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systems; cloud,

RFID and

robotics;

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application of

software

systems;

hardware and

software

engineering;

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healthcare, EEG
and e-learning;

HCI and data
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takes the reader
through all the
necessary steps
to achieve the
right balance as
a working
parent. With

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evaluate their

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feel happy about

their choices.

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the real you

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*can be 'really'
happy with*

*Making divisions
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work How to re-
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Decline
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