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***Communication
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2nd Edition***

**Social and Cultural
Anthropology: The Key Concepts**

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is the ideal introduction to this discipline, defining and discussing the central terms of the subject with clarity and authority.

This book addresses electronics and the rise of photonics, and asks what the future holds in store for

this technology. It highlights the latest research on all types of solar cells and photonic devices, and a new approach combining photonics and electronics. Beyond simply explaining the existing systems or providing a synthesis

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of the current state of knowledge, the book also offers readers new perspectives for their own research. Lastly, drawing on the interconnections between electronics and photonics, the book suggests a possible means of

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using solar energy directly with the aid of future photonic devices. . This book is designed for introductory one-semester or one-year courses in communications networks in upper-level undergraduate programs. The

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second half of the book can be used in more advanced courses. As pre-requisites the book assumes a general knowledge of computer systems and programming, and elementary calculus. The second edition

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expands on the success of the first edition by updating on technological changes in networks and responding to comprehensive market feedback..

The book presents high-quality research papers presented at the

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**first international conference,
ICICCD 2016, organised by the
Department of Electronics,
Instrumentation and Control
Engineering of University of
Petroleum and Energy Studies,
Dehradun on 2nd and 3rd April,**

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2016. The book is broadly divided into three sections: Intelligent Communication, Intelligent Control and Intelligent Devices. The areas covered under these sections are wireless communication and radio

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**technologies, optical
communication, communication
hardware evolution, machine-to-
machine communication
networks, routing techniques,
network analytics, network
applications and services, satellite**

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**and space communications,
technologies for e-communication,
wireless Ad-Hoc and sensor
networks, communications and
information security, signal
processing for communications,
communication software,**

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**microwave informatics, robotics
and automation, optimization
techniques and algorithms,
intelligent transport,
mechatronics system, guidance
and navigation, algorithms,
linear/non-linear control, home**

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**automation, sensors, smart cities,
control systems, high performance
computing, cognition control,
adaptive control, distributed
control, prediction models, hybrid
control system, control
applications, power system,**

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**manufacturing, agriculture cyber
physical system, network control
system, genetic control based,
wearable devices, nano devices,
MEMS, bio-inspired computing,
embedded and real-time software,
VLSI and embedded systems,**

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**FPGA, digital system and logic
design, image and video
processing, machine vision,
medical imaging, and
reconfigurable computing
systems.**

Fluid Borders

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**Communication Networks
Probability, Statistics, and
Random Processes For Electrical
Engineering
Communities in Action
Student Solutions Manual
Proceeding of International**

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**Conference on Intelligent
Communication, Control and
Devices**

***Nowadays energy crisis and
global warming problems are
hanging over everyone's head,
urging much research work on***

energy saving. In the ICT industry, which is becoming a major consumer of global energy triggered by the telecommunication network operators experiencing energy cost as a significant factor in

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***profit calculations,
researchers have start
With more than 300 entries,
these two volumes provide a
one-stop source for a
comprehensive overview of
communication theory,***

offering current descriptions of theories as well as the background issues and concepts that comprise these theories. This is the first resource to summarize, in one place, the diversity of theory in

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***the communication field. Key
Themes Applications and
Contexts Critical Orientations
Cultural Orientations
Cybernetic and Systems
Orientations Feminist
Orientations Group and***

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***Organizational Concepts
Information, Media, and
Communication Technology
International and Global
Concepts Interpersonal
Concepts Non-Western
Orientations Paradigms,***

Page 22/204

Traditions, and Schools
Philosophical Orientations
Psycho-Cognitive Orientations
Rhetorical Orientations
Semiotic, Linguistic, and
Discursive Orientations
Social/Interactional

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***Orientations Theory,
Metatheory, Methodology, and
Inquiry***

***Annotation This project
examines the political
dynamics of Latino
immigrants in California.***

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***A comprehensive,
encompassing and accessible
text examining a wide range of
key Wireless Networking and
Localization technologies This
book provides a unified
treatment of issues related to***

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***all wireless access and
wireless localization
techniques. The book reflects
principles of design and
deployment of infrastructure
for wireless access and
localization for wide, local, and***

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personal networking.

***Description of wireless access
methods includes design and
deployment of traditional
TDMA and CDMA technologies
and emerging Long Term
Evolution (LTE) techniques for***

***wide area cellular networks,
the IEEE 802.11/WiFi wireless
local area networks as well as
IEEE 802.15 Bluetooth, ZigBee,
Ultra Wideband (UWB), RF
Microwave and body area
networks used for sensor and***

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ad hoc networks. The principles of wireless localization techniques using time-of-arrival and received-signal-strength of the wireless signal used in military and commercial applications in

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smart devices operating in urban, indoor and inside the human body localization are explained and compared. Questions, problem sets and hands-on projects enhances the learning experience for

students to understand and appreciate the subject. These include analytical and practical examples with software projects to challenge students in practically important simulation

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***problems, and problem sets
that use MatLab. Key features:
Provides a broad coverage of
main wireless technologies
including emerging technical
developments such as body
area networking and cyber***

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***physical systems Written in a
tutorial form that can be used
by students and researchers
in the field Includes practical
examples and software
projects to challenge students
in practically important***

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simulation problems

???

***Ecology and Evolution of
Poeciliid Fishes***

??????????

***Using Cross-Layer Techniques
for Communication Systems***

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***Mechatronic System Control,
Logic, and Data Acquisition
Pathways to Health Equity***

*This book contains the
collection of full
papers accepted at the
11th International*

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*Conference on Enterprise
Information Systems
(ICEIS 2009), organized
by the Ins- tute for
Systems and Technologies
of Information Control
and Communication*

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*(INSTICC) in cooperation
with the Association for
Advancement of
Artificial Intel- gence
(AAAI) and ACM SIGMIS
(SIG on Management
Information Systems),*

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*and technically co-
sponsored by the
Japanese IEICE SWIM (SIG
on Software Interprise
Modeling) and the
Workflow Management
Coalition (WfMC). ICEIS*

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*2009 was held in Milan, Italy. This conference has grown to become a -
jor point of contact
between research
scientists, engineers
and practitioners in the*

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*area of business
applications of
information systems.
This year, five
simultaneous tracks were
held, covering different
aspects related to*

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*enterprise computing,
including: “- tabases
and Information Systems
Integration,”
“Artificial Intelligence
and Decision Support
Systems,” “Information*

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*Systems Analysis and
Specification,”
“Software Agents and
Internet Computing” and
“Human-Computer
Interaction”. All tracks
describe research work*

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*that is often oriented
toward real-world
applications and hi-
light the benefits of
information systems and
technology for industry
and services, thus*

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*making a bridge between
academia and enterprise.
ICEIS 2009 received 644
paper submissions from
70 countries in all
continents; 81 papers
were published and*

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*presented as full
papers, i.e., completed
research work (8
pages/30-minute oral
presentation).*

*Additional papers
accepted at ICEIS,*

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*including short papers
and posters, were
published in the regular
conference proceedings.
Telemedicine is a
rapidly evolving field
as new technologies are*

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*implemented for example
for the development of
wireless sensors,
quality data
transmission. Using the
Internet applications
such as counseling,*

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*clinical consultation
support and home care
monitoring and
management are more and
more realized, which
improves access to high
level medical care in*

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*underserved areas. The
23 chapters of this book
present manifold
examples of telemedicine
treating both
theoretical and
practical foundations*

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*and application
scenarios.*

*In the United States,
some populations suffer
from far greater
disparities in health
than others. Those*

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disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors

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*that impact health
status, so-called
determinants of health.
Only part of an
individual's health
status depends on his or
her behavior and choice;*

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*community-wide problems
like poverty,
unemployment, poor
education, inadequate
housing, poor public
transportation,
interpersonal violence,*

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*and decaying
neighborhoods also
contribute to health
inequities, as well as
the historic and ongoing
interplay of structures,
policies, and norms that*

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shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social

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*policies that can shape
health in powerful ways.
Communities in Action:
Pathways to Health
Equity seeks to
delineate the causes of
and the solutions to*

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*health inequities in the
United States. This
report focuses on what
communities can do to
promote health equity,
what actions are needed
by the many and varied*

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stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

The history of biology

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is populated by numerous model species or organisms. But few vertebrate groups have aided evolutionary and ecological research more than the live-bearing

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*fishes of the family
Poeciliidae. Found
throughout tropical and
subtropical waters,
poeciliids exhibit a
fascinating variety of
reproductive*

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*specializations,
including viviparity,
matrotrophy, unisexual
reproduction, and
alternative mating
strategies, making them
ideal models for*

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research on patterns and processes in ecology, behavior, and evolution. Ecology and Evolution of Poeciliid Fishes is a much-needed overview of the scientific potential

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and understanding of these live-bearing fishes. Chapters by leading researchers take up a wide range of topics, including the evolution of unisexual

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*reproduction, life in
extreme environments,
life-history evolution,
and genetics. Designed
to provide a single and
highly approachable
reference, Ecology and*

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*Evolution of Poeciliid
Fishes will appeal to
students and specialists
interested in all
aspects of evolutionary
ecology.*

Comm. Netwks: Fund

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*Cncpts & Key Arc
Encyclopedia of
Communication Theory
Communication Challenges
and Solutions in the
Smart Grid
Green Communications*

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*A Top-Down Approach
Techniques and
Applications*

Communication
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Education
The Industrial Information

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Technology Handbook
focuses on existing and
emerging industrial
applications of IT, and on
evolving trends that are driven
by the needs of companies
and by industry-led consortia

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and organizations.

Emphasizing fast growing areas that have major impacts on industrial automation and enterprise integration, the Handbook covers topics such as industrial communication

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technology, sensors, and embedded systems. The book is organized into two parts. Part 1 presents material covering new and quickly evolving aspects of IT. Part 2 introduces cutting-edge areas

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of industrial IT. The Handbook presents material in the form of tutorials, surveys, and technology overviews, combining fundamentals and advanced issues, with articles grouped into sections for a

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cohesive and comprehensive presentation. The text contains 112 contributed reports by industry experts from government, companies at the forefront of development, and some of the

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most renowned academic and research institutions worldwide. Several of the reports on recent developments, actual deployments, and trends cover subject matter

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presented to the public for the first time.

This textbook covers digital design, fundamentals of computer architecture, and assembly language. The book starts by introducing basic

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number systems, character coding, basic knowledge in digital design, and components of a computer. The book goes on to discuss information representation in computing; Boolean algebra

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and logic gates; sequential logic; input/output; and CPU performance. The author also covers ARM architecture, ARM instructions and ARM assembly language which is used in a variety of devices

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such as cell phones, digital TV, automobiles, routers, and switches. The book contains a set of laboratory experiments related to digital design using Logisim software; in addition, each chapter features

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objectives, summaries, key terms, review questions and problems. The book is targeted to students majoring Computer Science, Information System and IT and follows the ACM/IEEE 2013

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guidelines. • Comprehensive textbook covering digital design, computer architecture, and ARM architecture and assembly • Covers basic number system and coding, basic knowledge in digital

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design, and components of a computer • Features laboratory exercises in addition to objectives, summaries, key terms, review questions, and problems in each chapter

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The Internet of Things (IoT) is one of the core technologies of current and future information and communications technology (ICT) sectors. IoT technologies will be deployed in numerous

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industries, including health, transport, smart cities, utility sectors, environment, security, and many other areas. In a manner suitable to a broad range of readers, this book introduces various key

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IoT technologies focusing on algorithms, process algebra, network architecture, energy harvesting, wireless communications, and network security. It presents IoT system design techniques,

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international IoT standards,
and recent research outcomes
relevant to the IoT system
developments and provides
existing and emerging
solutions to the design and
development of IoT platforms

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for multi-sector industries,
particularly for Industry 4.0.
The book also addresses
some of the regulatory issues
and design challenges related
to IoT system deployments
and proposes guidelines for

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possible future applications.

Computer Networking

First EAI International Summit,

Smart City 360°, Bratislava,

Slovakia and Toronto, Canada,

October 13-16, 2015. Revised

Selected Papers

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Probability and Random
Processes for Electrical and
Computer Engineers
Fundamentals of
Communications Systems
Theoretical Fundamentals,
Algorithms, and Applications

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17th International Workshop,
EUNICE 2011, Dresden,
Germany, September 5-7,
2011, Proceedings
Get a Solid Account of Physical
Layer Communications Theory,
Illustrated with Numerous

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Interactive MATLAB Mini-Projects
You can rely on Fundamentals of
Communications Systems for a
solid introduction to physical layer
communications theory, filled with
modern implementations and
MATLAB examples. This state-of-

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the-art guide covers essential theory and current engineering practice, carefully explaining the real-world tradeoffs necessary among performance, spectral efficiency, and complexity. Written by an award-winning

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communications expert, the book first takes readers through analog communications basics, amplitude modulations, analog angle modulation, and random processes. This essential resource then explains noise in bandpass

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communications
systems...bandpass Gaussian
random processes...digital
communications
basics...complexity of optimum
demodulation...spectrally efficient
data transmission...and more.

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Fundamentals of Communications
Systems features: A modern
approach to communications
theory, reflecting current
engineering applications
Numerous MATLAB problems
integrated throughout, with

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software available for download
Detailed coverage of tradeoffs
among performance, spectral
efficiency, and complexity in
engineering design Text written in
four parts for easy modular
presentation Inside This On-Target

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Communications Engineering Tool

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- Analog Communications Basics •
- Amplitude Modulations • Analog
- Angle Modulation • More Topics in
- Analog Communications • Random
- Processes • Noise in Bandpass

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Communications Systems •
Bandpass Gaussian Random
Processes • Digital
Communications Basics • Optimal
Single Bit Demodulation Structures
• Transmitting More than One Bit •
Complexity of Optimum

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Demodulation • Spectrally Efficient
Data Transmission

Computer Networking provides a
top-down approach to this study
by beginning with applications-
level protocols and then working
down the protocol stack. Focuses

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on a specific motivating example of a network-the Internet-as well as introducing students to protocols in a more theoretical context. New short "interlude" on "putting it all together" that follows the coverage of

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application, transport, network, and datalink layers ties together the various components of the Internet architecture and identifying aspects of the architecture that have made the Internet so successful. A new

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chapter covers wireless and mobile networking, including in-depth coverage of Wi-Fi, Mobile IP and GSM. Also included is expanded coverage on BGP, wireless security and DNS. This book is designed for readers who

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need to learn the fundamentals of computer networking. It also has extensive material, on the very latest technology, making it of great interest to networking professionals.

Although the existing layering

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infrastructure--used globally for designing computers, data networks, and intelligent distributed systems and which connects various local and global communication services--is conceptually correct and

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pedagogically elegant, it is now well over 30 years old has started create a serious bottleneck. Using Cross-Layer Techniques for Communication Systems: Techniques and Applications explores how cross-layer methods

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provide ways to escape from the current communications model and overcome the challenges imposed by restrictive boundaries between layers. Written exclusively by well-established researchers, experts, and

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professional engineers, the book will present basic concepts, address different approaches for solving the cross-layer problem, investigate recent developments in cross-layer problems and solutions, and present the latest

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applications of the cross-layer in a variety of systems and networks. Rapid advances in networking technology have promoted a fully revised second edition of this successful introduction to communication networks.

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Internet of Things (IoT)

Advances in Computational
Intelligence

An Introduction to Bankruptcy Law

Fundamental Concepts and Key
Architectures

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Future Solar Energy Devices

This book constitutes the refereed proceedings of the 17th EUNICE 2011 Workshop on energy-aware communications, held in Dresden, in September 2011. The proceedings comprise

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16 full papers and 7 poster papers which are presented together with the abstracts of the 3 invited talks. The topics covered are: network architectures; ad-hoc and wireless networks; system

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simulation; network planning, optimization, and migration; traffic engineering; quality of experience; and energy efficient architectures.

This book is designed for introductory one-semester or

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one-year courses in communications networks in upper-level undergraduate programs. The second half of the book can be used in more advanced courses. As pre-requisites the book assumes a

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general knowledge of computer systems and programming, and elementary calculus. The second edition expands on the success of the first edition by updating on technological changes in networks and responding to

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comprehensive market
feedback.

著者中译名:利昂-加西亚。

The first comprehensive and up-
to-date reference on
mechatronics, Robert Bishop's
The Mechatronics Handbook

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was quickly embraced as the gold standard in the field. With updated coverage on all aspects of mechatronics, The Mechatronics Handbook, Second Edition is now available as a two-volume set. Each

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installment offers focused coverage of a particular area of mechatronics, supplying a convenient and flexible source of specific information. This seminal work is still the most exhaustive, state-of-the-art

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treatment of the field available. Focusing on the most rapidly changing areas of mechatronics, this book discusses signals and systems control, computers, logic systems, software, and data acquisition. It begins with

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coverage of the role of control and the role modeling in mechatronic design, setting the stage for the more fundamental discussions on signals and systems. The volume reflects the profound impact the

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development of not just the computer, but the microcomputer, embedded computers, and associated information technologies and software advances. The final sections explore issues

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surrounding computer software
and data acquisition. Covers
modern aspects of control
design using optimization
techniques from H2 theory
Discusses the roles of adaptive
and nonlinear control and

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neural networks and fuzzy
systems Includes discussions of
design optimization for
mechatronic systems and real-
time monitoring and control
Focuses on computer hardware
and associated issues of logic,

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communication, networking,
architecture, fault analysis,
embedded computers, and
programmable logic controllers
Cloud Services, Networking, and
Management
Seeking Refuge

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Enterprise Information Systems
Proceedings of International
Conference on Computational
Intelligence 2015
Computer Systems
Probability and Random
Processes for Electrical

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Engineering

*Cloud Services, Networking
and Management provides a
comprehensive overview of
the cloud infrastructure and
services, as well as their
underlying management*

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mechanisms, including data center virtualization and networking, cloud security and reliability, big data analytics, scientific and commercial applications.

Special features of the book

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*include: State-of-the-art
content Self-contained
chapters for readers with
specific interests Includes
commercial applications on
Cloud (video services and
games)*

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Networks of Outrage and Hope is an exploration of the newforms of social movements and protests that are erupting in the world today, from the Arab uprisings to the

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*indignadas movement
in Spain, from the Occupy
Wall Street movement to the
social protests in Turkey,
Brazil and elsewhere. While
these and similar
social movements differ in*

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many important ways, there is one thing they share in common: they are all interwoven inextricably with the creation of autonomous communication networks supported by the Internet

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*and wireless
communication. In this new
edition of his timely and
important book,
Manuel Castells examines
the social, cultural and
political roots of these new*

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social movements, studies their innovative forms of self-organization, assesses the precise role of technology in the dynamics of the movements, suggests the reasons for the support they

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have found in large segments of society, and probes their capacity to induce political change by influencing people's minds. Two new chapters bring the analysis up-to-date and draw

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*outthe implications of these
social movements and
protests forunderstanding
the new forms of social
change and
politicaldemocracy in the
global network society.*

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This volume constitutes the thoroughly refereed post-conference proceedings of the First EAI International Summit, Smart City 360°, held in Bratislava, Slovakia and Toronto, ON, Canada, in

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*October 2015. The 77
carefully reviewed papers
include eight conferences:
The Bratislava program
covered the Conference on
Sustainable Solutions
beyond Mobility of Goods*

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*(SustainableMoG 2015), the
MOBIDANUBE conference
which strengthens research
in the field of mobility
opportunities and within
Danube strategy, and the
conference on Social*

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*Innovation and Community
Aspects of Smart Cities
(SmartCityCom 2015). In
parallel the SmartCity360
Toronto included five
conferences addressing
urban mobility (SUMS),*

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*sustainable cities (S2CT),
smart grids SGSC),
wearable devices for health
and wellbeing SWIT Health),
and big data (BigDASC).
This is the eBook of the
printed book and may not*

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include any media, website access codes, or print supplements that may come packaged with the bound book. This is the standard textbook for courses on probability and statistics,

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*not substantially updated.
While helping students to
develop their problem-
solving skills, the author
motivates students with
practical applications from
various areas of ECE that*

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*demonstrate the relevance
of probability theory to
engineering practice.
Included are chapter
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to allow power systems
engineers to optimize
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**This book provides
comprehensive coverage
of mobile data
networking and mobile
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**managers, practicing
engineers, and students
who need to understand
this industry. In the last
two decades, many books
have been written on the
subject of wireless**

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communications and networking. However, mobile data networking and mobile communications were not fully addressed in a unified fashion. This book

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**fills that gap in the
literature and is written
to provide essentials of
wireless communications
and wireless networking,
including Wireless
Personal Area Networks**

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(WPAN), Wireless Local Area Networks (WLAN), and Wireless Wide Area Networks (WWAN). The first ten chapters of the book focus on the fundamentals that are

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**required to study mobile
data networking and
mobile communications.
Numerous solved
examples have been
included to show
applications of**

theoretical concepts. In addition, unsolved problems are given at the end of each chapter for practice. (A solutions manual will be available.) After introducing

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**fundamental concepts,
the book focuses on
mobile networking
aspects. Four chapters
are devoted on the
discussion of WPAN,
WLAN, WWAN, and**

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**internetworking between
WLAN and WWAN.**

**Remaining seven
chapters deal with other
aspects of mobile
communications such as
mobility management,**

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balance between the
theoretical and practical
concepts. Moreover, this
book can be used to
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**networking and mobile
communications to ECE
and CS students. *Details
the essentials of Wireless
Personal Area
Networks(WPAN),
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11th International
Conference, ICEIS 2009,
Milan, Italy, May 6-10,
2009, Proceedings
ICICCD 2016**

The International conference on

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Personal Wireless Communications (PWC 2007) was the twelfth conference of its series aimed at stimulating technical exchange between researchers, practitioners and students interested in mobile computing and wireless networks. The program

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and examples honed over Mir's twenty years of teaching networking

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